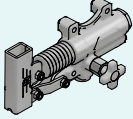
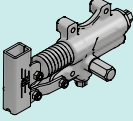
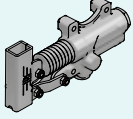
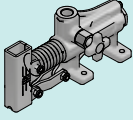
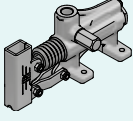
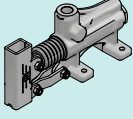
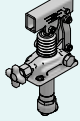
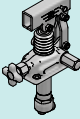
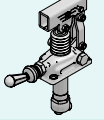
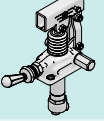
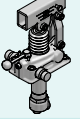
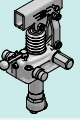
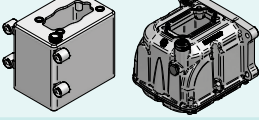


## POMPE A MANO E SERBATOI HAND PUMPS AND TANKS

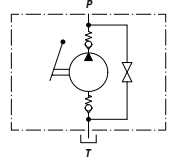
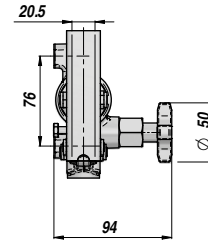
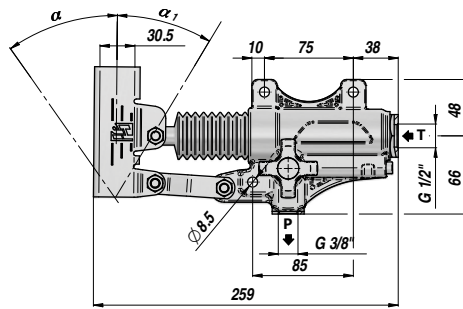
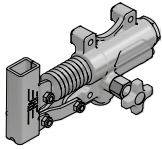
		Descrizione - Description	Type	Page
	<b>NEW!</b>	POMPA A MANO - NON PREDISPOSTA PER SERBATOIO CON RUBINETTO DI SCARICO HAND PUMP - NOT SUITABLE FOR OIL TANK WITH LOWERING VALVE	PAM-S 20	192
	<b>NEW!</b>	POMPA A MANO - NON PREDISPOSTA PER SERBATOIO CON V.M.P. HAND PUMP - NOT SUITABLE FOR OIL TANK WITH RELIEF VALVE	PAM-SV 20	193
	<b>NEW!</b>	POMPA A MANO - NON PREDISPOSTA PER SERBATOIO SENZA RUBINETTO DI SCARICO HAND PUMP - NOT SUITABLE FOR OIL TANK WITHOUT LOWERING VALVE	PAM-ES 20	194
	<b>NEW!</b>	POMPA A MANO - NON PREDISPOSTA PER SERBATOIO CON RUBINETTO DI SCARICO HAND PUMP - NOT SUITABLE FOR OIL TANK WITH LOWERING VALVE	PAM-S 40	195
	<b>NEW!</b>	POMPA A MANO - NON PREDISPOSTA PER SERBATOIO CON V.M.P. HAND PUMP - NOT SUITABLE FOR OIL TANK WITH RELIEF VALVE	PAM-SV 40	196
	<b>NEW!</b>	POMPA A MANO - NON PREDISPOSTA PER SERBATOIO SENZA RUBINETTO DI SCARICO HAND PUMP - NOT SUITABLE FOR OIL TANK WITHOUT LOWERING VALVE	PAM-ES 40	197
	<b>NEW!</b>	POMPA A MANO - PREDISPOSTA PER SERBATOIO CON RUBINETTO DI SCARICO HAND PUMP - SUITABLE FOR OIL TANK WITH LOWERING VALVE	PAM-TS	198
	<b>NEW!</b>	POMPA A MANO - PREDISPOSTA PER SERBATOIO CON RUBINETTO DI SCARICO E V.M.P. HAND PUMP - SUITABLE FOR OIL TANK WITH LOWERING VALVE AND RELIEF VALVE	PAM-TSV	199
	<b>NEW!</b>	POMPA A MANO - PREDISPOSTA PER SERBATOIO CON LEVA A RILASCIO HAND PUMP - SUITABLE FOR OIL TANK WITH LEVER RELEASE	PAM-TRS	200
	<b>NEW!</b>	POMPA A MANO - PREDISPOSTA PER SERBATOIO CON LEVA A RILASCIO E V.M.P. HAND PUMP - SUITABLE FOR OIL TANK WITH LEVER RELEASE AND RELIEF VALVE	PAM-TRSV	201
	<b>NEW!</b>	POMPA A MANO - PREDISPOSTA PER SERBATOIO CON DEVIATORE A 4 VIE - CENTRO CHIUSO HAND PUMP - SUITABLE FOR OIL TANK WITH 4-WAY DIVERTER - CLOSED CENTER	PAM-TDS	202
	<b>NEW!</b>	POMPA A MANO - PREDISPOSTA PER SERBATOIO CON DEVIATORE A 4 VIE E V.M.P. - CENTRO CHIUSO HAND PUMP - SUITABLE FOR OIL TANK WITH 4-WAY DIVERTER AND RELIEF VALVE - CLOSED CENTER	PAM-TDSV	203
		SERBATOIO PER POMPA A MANO (TIPO PAM-T e PAM-TD) TANK FOR HAND PUMP (PAM-T / PAM-TD TYPE)	PM PAMSAL	204

**PAM-S 20**

**NEW!**

**POMPA A MANO CON VOLANTINO DI SCARICO  
HAND PUMP WITH LOWERING VALVE**

**NON PREDISPOSTA PER SERBATOIO  
NOT SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	$\alpha$	$\alpha_1$	Temperatura d'esercizio Working Temperature	kg
PAM0142001	PAM-S 20	20	350	38°	25°	-20°C +80°C	2,83

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

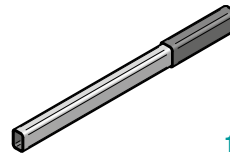
PAMX-S = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

FPM = GUARNIZIONI IN VITON - VITON SEALS

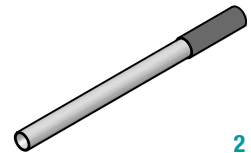
VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

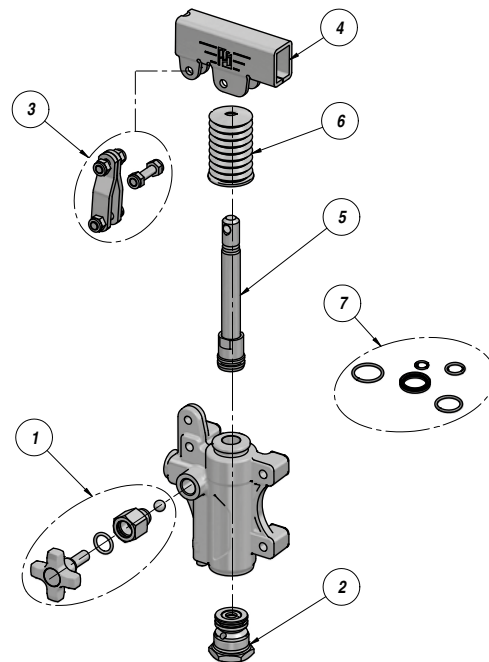


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

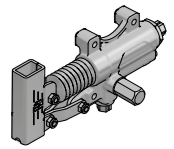
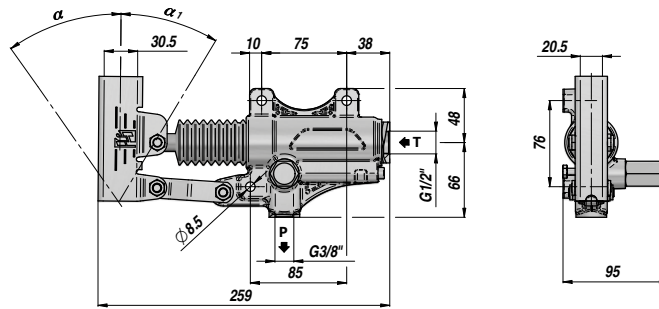
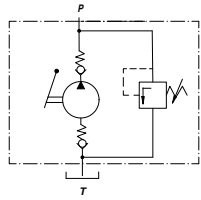
Codice Code	Descrizione Description	N°
PAMJVS1245	Kit valvola di scarico Lowering valve kit	1
PAMJV02000	Kit aspirazione Suction valve kit	2
PAMJB02040	Kit bielle Conrod kit	3
PAMJ010002	Supporto leva Hand lever holder	4
PAMJPS2025	Kit pistone+stelo Rod Piston assembled kit	5
PAMJ020015	Soffietto Bellow	6
PAMGT00020	Kit guarnizioni standard Standard seal kits	7



**POMPA A MANO CON V.M.P.  
HAND PUMP WITH RELIEF VALVE**

**NEW!** **PAM-SV 20**

**NON PREDISPOSTA PER SERBATOIO  
NOT SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	$\alpha$	$\alpha_1$	Temperatura d'esercizio Working Temperature	kg
PAM0142005	PAM-SV 20	20	350	38°	25°	-20°C +80°C	2,87

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

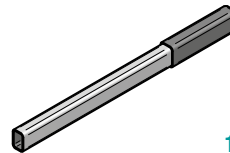
PAMX-SV = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

FPM = GUARNIZIONI IN VITON - VITON SEALS

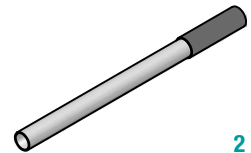
VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

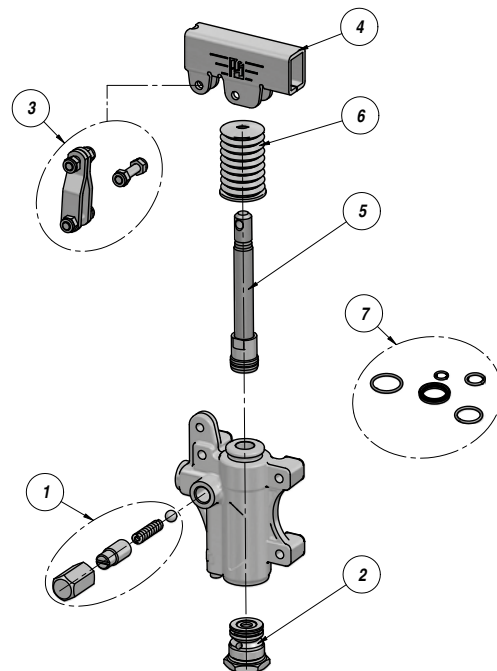


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

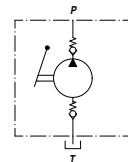
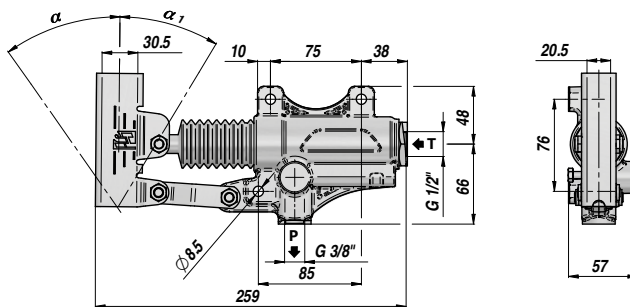
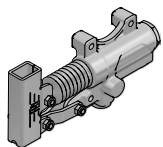
Codice Code	Descrizione Description	N°
PAMJVMP000	Kit VMP Relief valve kit	1
PAMJV02000	Kit aspirazione Suction valve kit	2
PAMJB02040	Kit bielle Conrod kit	3
PAMJ010002	Supporto leva Hand lever holder	4
PAMJPS2025	Kit pistone+stelo Rod Piston assembled kit	5
PAMJ020015	Soffietto Bellow	6
PAMGTV0020	Kit guarnizioni standard Standard seal kits	7



**PAM-ES 20** **NEW!**

**POMPA A MANO SENZA VOLANTINO DI SCARICO**  
**HAND PUMP WITHOUT LOWERING VALVE**

**NON PREDISPOSTA PER SERBATOIO**  
**NOT SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	$\alpha$	$\alpha_1$	Temperatura d'esercizio Working Temperature	kg
PAM0142003	PAM-ES 20	20	350	38°	25°	-20°C +80°C	2,73

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

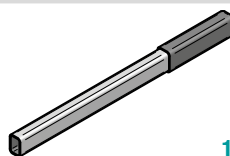
PAMX-ES = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

FPM = GUARNIZIONI IN VITON - VITON SEALS

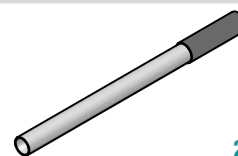
VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

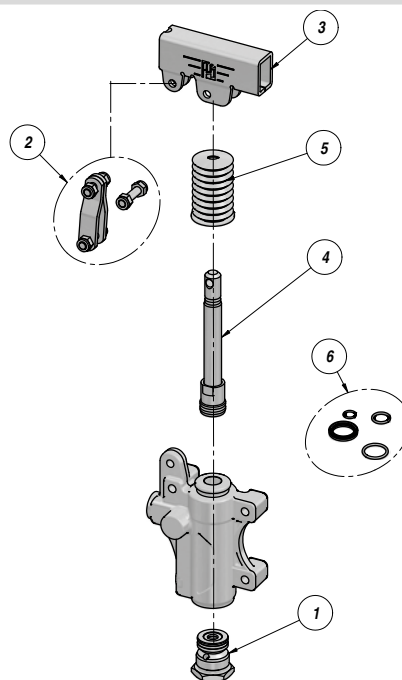


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

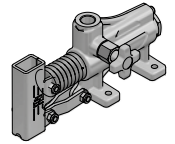
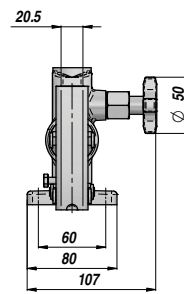
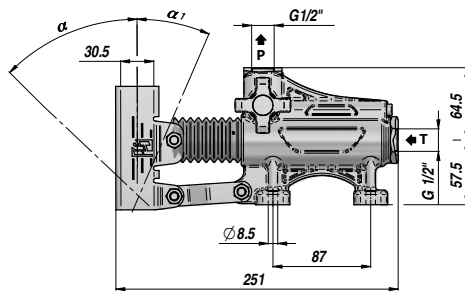
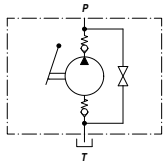
Codice Code	Descrizione Description	N°
PAMJV02000	Kit aspirazione Suction valve kit	1
PAMJB02040	Kit bielle Conrod kit	2
PAMJ010002	Supporto leva Hand lever holder	3
PAMJPS2025	Kit pistone+stelo Rod Piston assembled kit	4
PAMJ020015	Soffietto Bellow	5
PAMGTV0020	Kit guarnizioni standard Standard seal kits	6




**POMPA A MANO CON VOLANTINO DI SCARICO**  
**HAND PUMP WITH LOWERING VALVE**

**NEW!** **PAM-S 40**

**NON PREDISPOSTA PER SERBATOIO**  
**NOT SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	$\alpha$	$\alpha_1$	Temperatura d'esercizio Working Temperature	kg
PAM0144001	PAM-S 40	42	280	50°	20°	-20°C +80°C	3,33

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

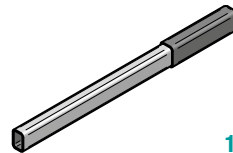
PAMX-S = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

FPM = GUARNIZIONI IN VITON - VITON SEALS

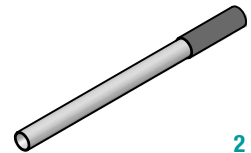
VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

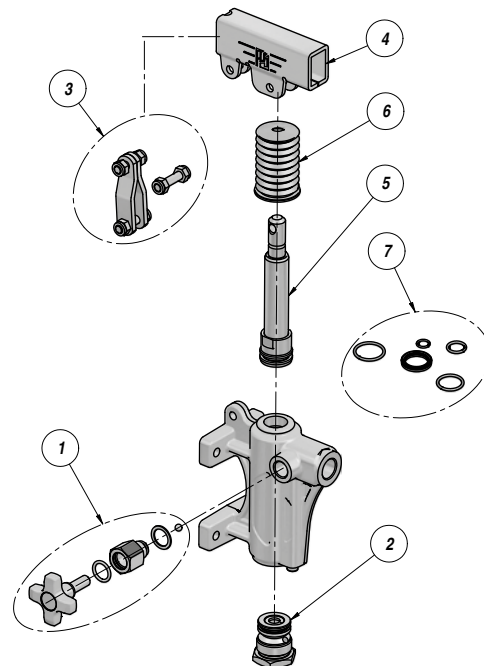


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

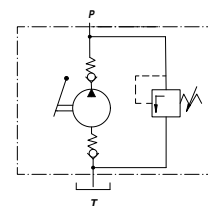
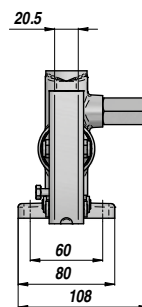
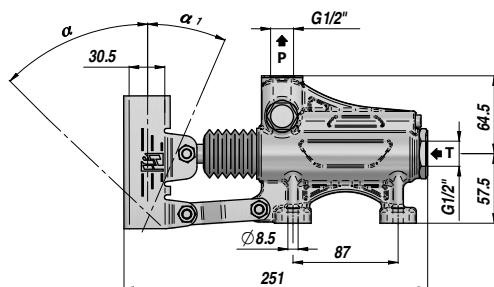
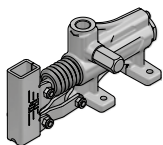
Codice Code	Descrizione Description	N°
PAMJVS1245	Kit valvola di scarico Lowering valve kit	1
PAMJV02000	Kit aspirazione Suction valve kit	2
PAMJB02040	Kit bielle Conrod kit	3
PAMJ010001	Supporto leva Hand lever holder	4
PAMJPS4045	Kit pistone+stelo Rod Piston assembled kit	5
PAMJ020015	Soffietto Bellow	6
PAMGT00040	Kit guarnizioni standard Standard seal kits	7



**PAM-SV 40** **NEW!**

POMPA A MANO CON V.M.P.  
HAND PUMP WITH RELIEF VALVE

NON PREDISPOSTA PER SERBATOIO  
NOT SUITABLE FOR OIL TANK



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	$\alpha$	$\alpha_1$	Temperatura d'esercizio Working Temperature	kg
PAM0144005	PAM-SV 40	42	280	50°	20°	-20°C +80°C	3,36

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

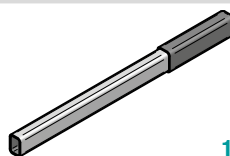
PAMX-SV = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

FPM = GUARNIZIONI IN VITON - VITON SEALS

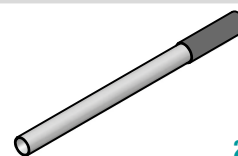
VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

LEVA - LEVERS

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

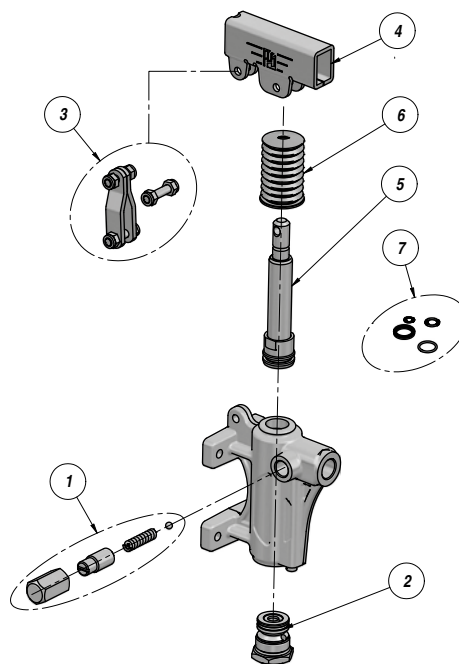


2

\* LEVA STANDARD - STANDARD HAND LEVER

KIT RICAMBI - SPARE PARTS

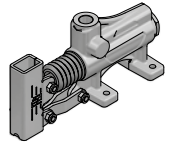
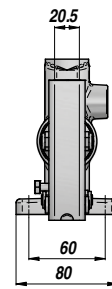
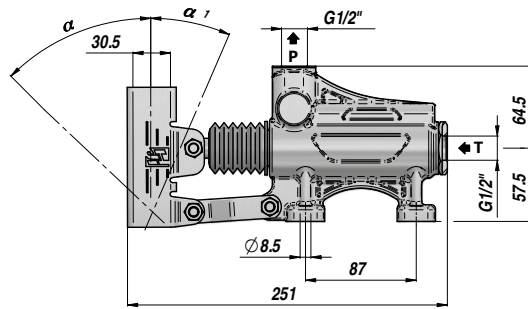
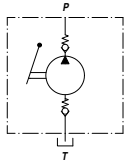
Codice Code	Descrizione Description	N°
PAMJVMP000	Kit VMP Relief Valve Kit	1
PAMJV02000	Kit aspirazione Suction valve kit	2
PAMJB02040	Kit bielle Conrod kit	3
PAMJ010001	Supporto leva Hand lever holder	4
PAMJPS4045	Kit pistone+stelo Rod Piston assembled kit	5
PAMJ020015	Soffietto Bellow	6
PAMGTV0040	Kit guarnizioni standard Standard seal kits	7



**POMPA A MANO SENZA VOLANTINO DI SCARICO**  
**HAND PUMP WITHOUT LOWERING VALVE**

**NEW!** **PAM-ES 40**

**NON PREDISPOSTA PER SERBATOIO**  
**NOT SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	α	α <sub>1</sub>	Temperatura d'esercizio Working Temperature	kg
PAM0144003	PAM-ES 40	42	280	50°	20°	-20°C +80°C	3,22

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

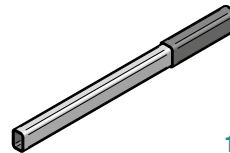
PAMX-ES = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

FPM = GUARNIZIONI IN VITON - VITON SEALS

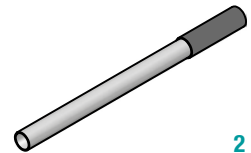
VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

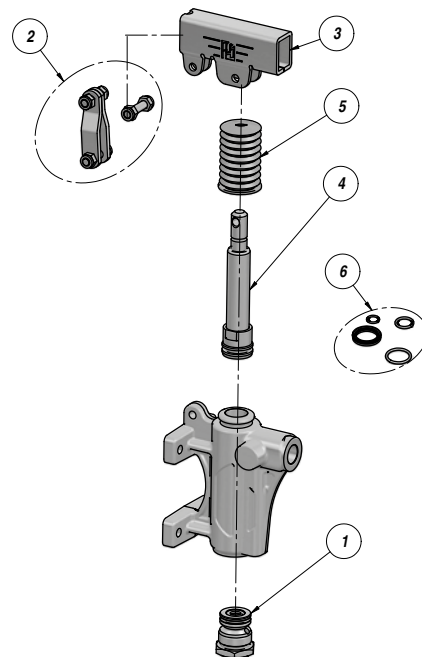


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

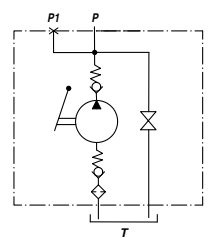
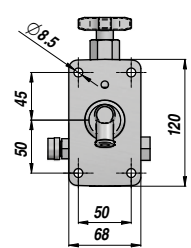
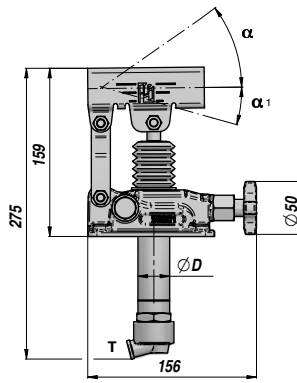
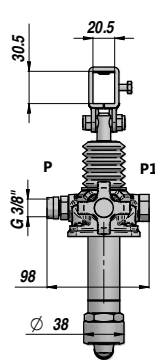
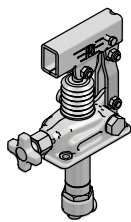
Codice Code	Descrizione Description	N°
PAMJV02000	Kit aspirazione Suction valve kit	1
PAMJB02040	Kit bielle Conrod kit	2
PAMJO10001	Supporto leva Hand lever holder	3
PAMJPS4045	Kit pistone+stelo Rod Piston assembled kit	4
PAMJO20015	Soffietto Bellow	5
PAMGTV0040	Kit guarnizioni standard Standard seal kits	6



**PAM-TS** **NEW!**

**POMPA A MANO CON RUBINETTO DI SCARICO**  
**HAND PUMP WITH LOWERING VALVE**

**PREDISPOSTA PER SERBATOIO**  
**SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	ØD	α	α <sub>1</sub>	Temperatura d'esercizio Working Temperature	kg
PAM0141202	PAM-TS 12	12	380	30	37°	13°		2,89
PAM0142502	PAM-TS 25	25	350	35	57°	15°	-20°C +80°C	2,99
PAM0144502	PAM-TS 45	42	280	40	52°	28°		3,12

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

PAMX-TS = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

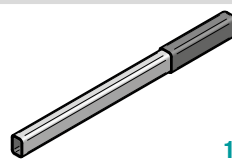
FPM = GUARNIZIONI IN VITON - VITON SEALS

VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

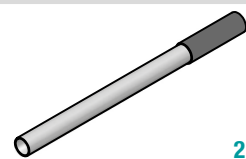
La pompa viene fornita completa di viti di fissaggio e guarnizione NBR. - Hand Pump is supplied with fastening screws and NBR seal.

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

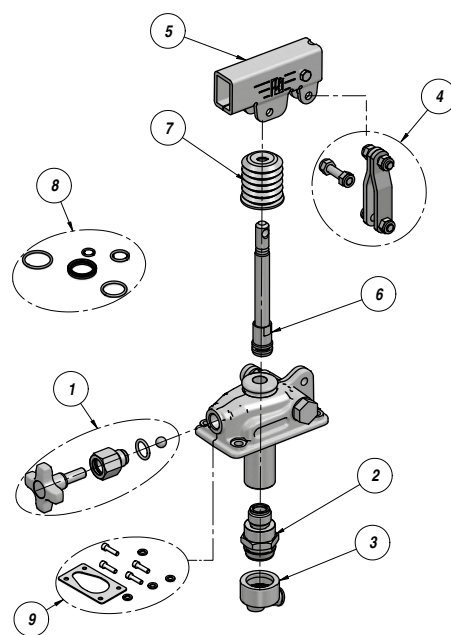


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

Codice Code	Descrizione Description	Per Pompa For Pump	N°
PAMJVS1245	Kit valvola di scarico Lowering valve kit	All type	1
PAMJV01200	Kit aspirazione	PAM-TS 12	2
PAMJV02500	Suction valve kit	PAM-TS 25	
PAMJV04500	Suction valve kit	PAM-TS 45	
PAMJRA1245	Kit raccordo aspirazione con filtro Suction adapter kit with filter	All type	3
PAMJB01245	Kit bielle Conrod kit	All type	4
PAMJ010001	Supporto leva Hand lever holder	All type	5
PAMJPS1200	Kit pistone+stelo	PAM-TS 12	6
PAMJPS2025	Rod Piston assembled kit	PAM-TS 25	
PAMJPS4045	Rod Piston assembled kit	PAM-TS 45	
PAMJ020015	Soffietto Bellow	All type	7
PAMGT00012	Kit guarnizioni standard	PAM-TS 12	8
PAMGT00025	Standard seal kits	PAM-TS 25	
PAMGT00045	Standard seal kits	PAM-TS 45	
PAMJ030017	Guarnizione NBR + viti NBR seal + screws	All type	9



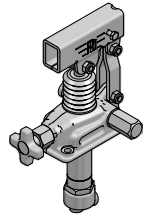
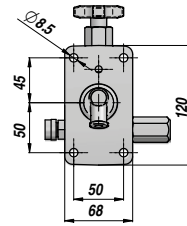
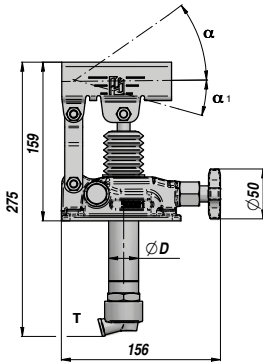
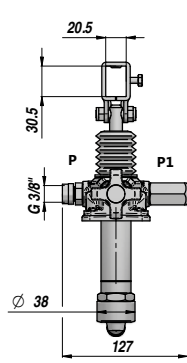
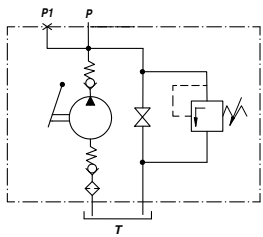


**POMPA A MANO CON RUBINETTO DI SCARICO E V.M.P.  
HAND PUMP WITH LOWERING VALVE AND RELIEF VALVE**

**NEW!**

**PAM-TSV**

**PREDISPOSTA PER SERBATOIO  
SUITABLE FOR OIL TANK**



Code Code	Tip Type	cm <sup>3</sup> /ciclo cm <sup>3</sup> /cycle	P MAX bar	ØD	α	α <sub>1</sub>	Temperatura d'esercizio Working Temperature	kg
PAM0141203	PAM-TSV dx 12	12	380	30	37°	13°		2,97
PAM0142503	PAM-TSV dx 25	25	350	35	57°	15°	-20°C +80°C	3,07
PAM0144503	PAM-TSV dx 45	42	280	40	52°	28°		3,20

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

PAMX-TSV = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

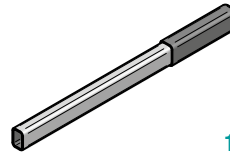
FPM = GUARNIZIONI IN VITON - VITON SEALS

VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

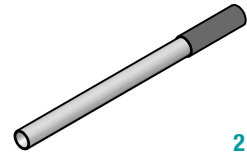
La pompa viene fornita completa di viti di fissaggio e guarnizione NBR. - Hand Pump is supplied with fastening screws and NBR seal.

**LEVE - LEVERS**

Code Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 (PAMX)	2	0,91



1

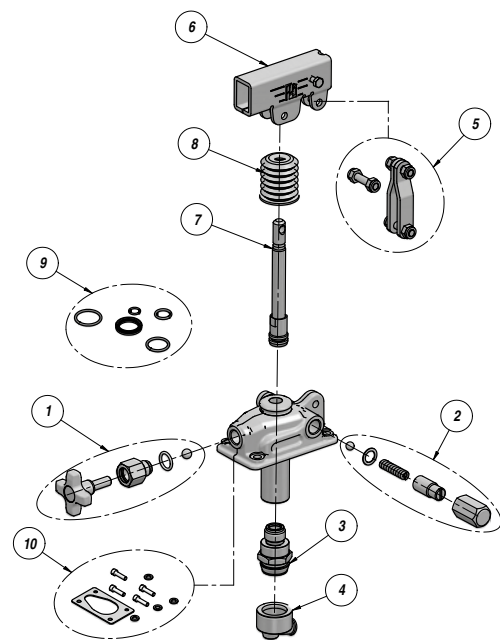


2

\* LEVA STANDARD - STANDARD HAND LEVER

**KIT RICAMBI - SPARE PARTS**

Code Code	Descrizione Description	Per Pompa For Pump	N°
PAMJVS1245	Kit valvola di scarico Lowering valve kit	All type	1
PAMJVMP000	Kit VMP Relief Valve Kit	All type	2
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspirazione Suction valve kit	PAM-TSV 12 PAM-TSV 25 PAM-TSV 45	3
PAMJRA1245	Kit raccordo aspirazione con filtro Suction adapter kit with filter	All type	4
PAMJB01245	Kit bielle Conrod kit	All type	5
PAMJ010001	Supporto leva Hand lever holder	All type	6
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit pistone+stelo Rod Piston assembled kit	PAM-TSV 12 PAM-TSV 25 PAM-TSV 45	7
PAMJ020015	Soffietto Bellows	All type	8
PAMGT00012 PAMGT00025 PAMGT00045	Kit guarnizioni standard Standard seal kits	PAM-TSV 12 PAM-TSV 25 PAM-TSV 45	9
PAMJ030017	Guarnizione NBR + viti NBR seal + screws	All type	10

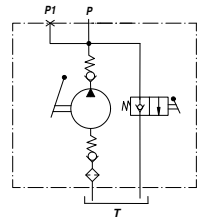
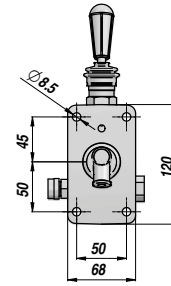
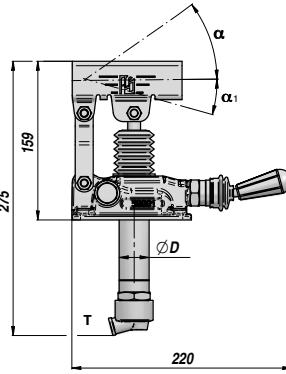
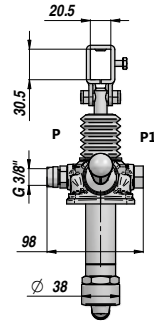
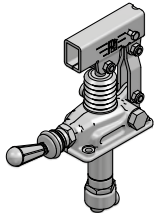


PAM-TRS

NEW!

POMPA A MANO CON LEVA A RILASCIO  
HAND PUMP WITH LEVER RELEASE

PREDISPOSTA PER SERBATOIO  
SUITABLE FOR OIL TANK



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	ØD	α	α <sub>1</sub>	Temperatura d'esercizio Working Temperature	kg
PAM0141206	PAM-TRS 12	12	380	30	37°	13°		3,00
PAM0142506	PAM-TRS 25	25	350	35	57°	15°	-20°C +80°C	3,10
PAM0144506	PAM-TRS 45	42	280	40	52°	28°		3,25

Funzionamento D.E. per cilindro S.E. - Double-stroke for a S.A. cylinder

A RICHIESTA - ON REQUEST:

PAMX-TRS = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

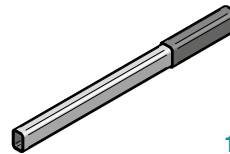
FPM = GUARNIZIONI IN VITON - VITON SEALS

VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

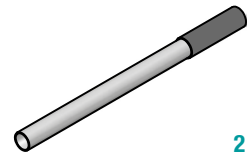
La pompa viene fornita completa di viti di fissaggio e guarnizione NBR. - Hand Pump is supplied with fastening screws and NBR seal.

LEVE - LEVERS

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

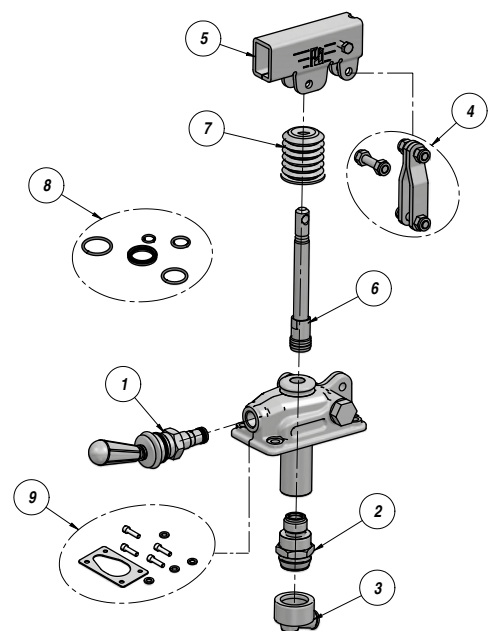


2

\* LEVA STANDARD - STANDARD HAND LEVER

KIT RICAMBI - SPARE PARTS

Codice Code	Descrizione Description	Per Pompa For Pump	N°
PAMJVR1245	Kit leva a rilascio Lever release kit	All type	1
PAMJV01200	Kit aspirazione Suction valve kit	PAM-TRS 12	2
PAMJV02500		PAM-TRS 25	
PAMJV04500		PAM-TRS 45	
PAMJRA1245	Kit raccordo aspirazione con filtro Suction adapter kit with filter	All type	3
PAMJB01245	Kit bielle Conrod kit	All type	4
PAMJ010001	Supporto leva Hand lever holder	All type	5
PAMJPS1200	Kit pistone+stelo Rod Piston assembled kit	PAM-TRS 12	6
PAMJPS2025		PAM-TRS 25	
PAMJPS4045		PAM-TRS 45	
PAMJ020015	Soffietto Bellow	All type	7
PAMGTR0012	Kit guarnizioni standard Standard seal kits	PAM-TRS 12	8
PAMGTR0025		PAM-TRS 25	
PAMGTR0045		PAM-TRS 45	
PAMJ030017	Guarnizione NBR + viti NBR seal + screws	All type	9



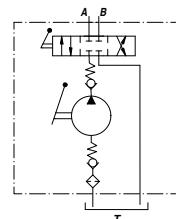
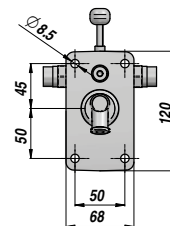
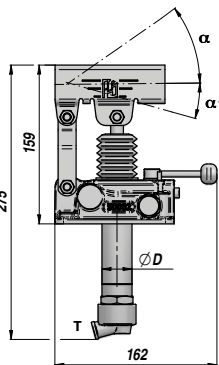
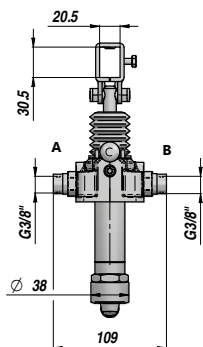
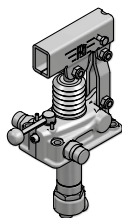


PAM-TDS

NEW!

POMPA A MANO CON DEVIATORE A 4 VIE - CENTRO CHIUSO  
HAND PUMP WITH 4-WAY DIVERTER - CLOSED CENTER

PREDISPOSTA PER SERBATOIO  
SUITABLE FOR OIL TANK



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	ØD	α	α <sub>1</sub>	Temperatura d'esercizio Working Temperature	kg
PAM0151201	PAM-TDS 12	12	380	30	37°	13°		3,01
PAM0152501	PAM-TDS 25	25	350	35	57°	15°	-20°C +80°C	3,12
PAM0154501	PAM-TDS 45	42	280	40	52°	28°		3,24

Funzionamento D.E. per cilindro D.E. - Double-stroke for a D.A. cylinder

A RICHIESTA - ON REQUEST:

PAMX-TDS = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

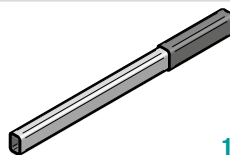
FPM = GUARNIZIONI IN VITON - VITON SEALS

VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

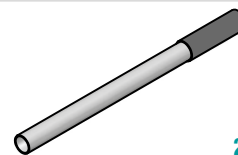
La pompa viene fornita completa di viti di fissaggio e guarnizione NBR. - Hand Pump is supplied with fastening screws and NBR seal.

LEVE - LEVERS

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

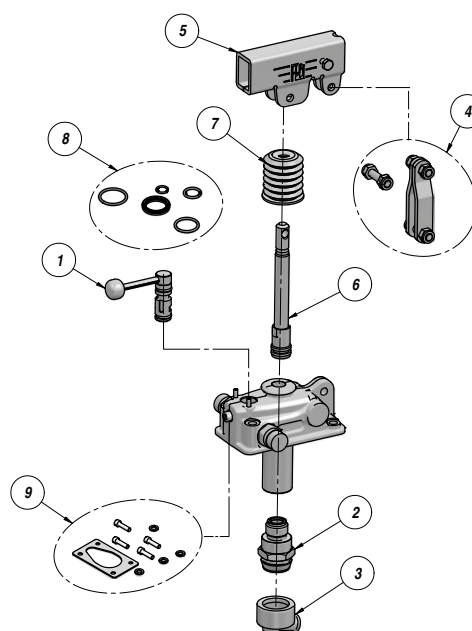


2

\* LEVA STANDARD - STANDARD HAND LEVER

KIT RICAMBI - SPARE PARTS

Codice Code	Descrizione Description	Per Pompa For Pump	N°
PAMJDS1245	Kit deviatore 4 vie 4-Way Diverter kit	All type	1
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspirazione Suction valve kit	PAM-TDS 12 PAM-TDS 25 PAM-TDS 45	2
PAMJRA1245	Kit raccordo aspirazione con filtro Suction adapter kit with filter	All type	3
PAMJB01245	Kit bielle Conrod kit	All type	4
PAMJ010001	Supporto leva Hand lever holder	All type	5
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit pistone+stelo Rod Piston assembled kit	PAM-TDS 12 PAM-TDS 25 PAM-TDS 45	6
PAMJ020015	Soffietto Bellows	All type	7
PAMGTD0012 PAMGTD0025 PAMGTD0045	Kit guarnizioni standard Standard seal kits	PAM-TDS 12 PAM-TDS 25 PAM-TDS 45	8
PAMJ030018	Guarnizione NBR + viti NBR seal + screws	All type	9

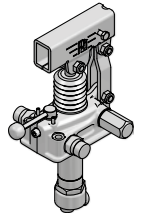
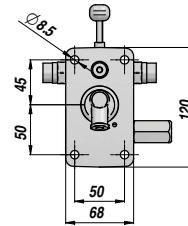
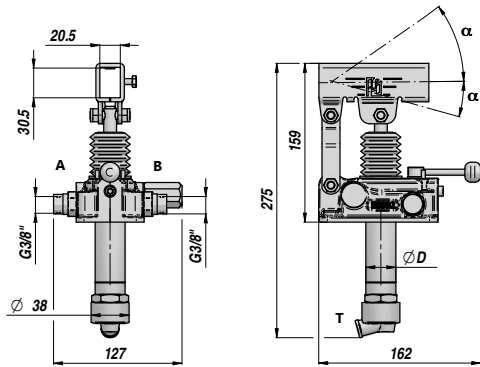
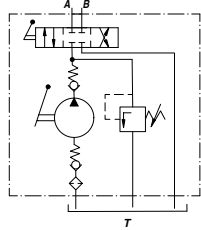


**POMPA A MANO CON DEVIATORE A 4 VIE E V.M.P. - CENTRO CHIUSO**  
**HAND PUMP WITH 4-WAY DIVERTER AND RELIEF VALVE - CLOSED CENTER**

**NEW!**

**PAM-TDSV**

**PREDISPOSTA PER SERBATOIO**  
**SUITABLE FOR OIL TANK**



Codice Code	Tipo Type	cm3/ciclo cm3/cycle	P MAX bar	ØD	α	α <sub>1</sub>	Temperatura d'esercizio Working Temperature	kg
PAM0151203	PAM-TDSV dx 12	12	380	30	37°	13°		3,10
PAM0152503	PAM-TDSV dx 25	25	350	35	57°	15°	-20°C +80°C	3,20
PAM0154503	PAM-TDSV dx 45	42	280	40	52°	28°		3,33

Funzionamento D.E. per cilindro D.E. - Double-stroke for a D.A. cylinder

A RICHIESTA - ON REQUEST:

PAMX-TDSV = POMPA CON SUPPORTO PER LEVA TONDA - HAND PUMP WITH ROUND LEVER HOLDER

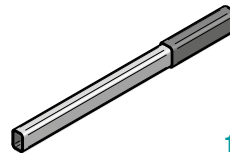
FPM = GUARNIZIONI IN VITON - VITON SEALS

VMQ = GUARNIZIONI IN SILICONE - FLUORINE-SILICONE SEALS

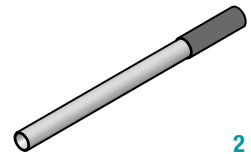
La pompa viene fornita completa di viti di fissaggio e guarnizione NBR. - Hand Pump is supplied with fastening screws and NBR seal.

**LEVE - LEVERS**

Codice Code	Dimensioni Sizes	TYPE	kg
* PAM0290000	20 x 30 x 600	1	0,71
PAM0290900	20 x 30 x 900	1	1,41
PAM0291000	20 x 30 x 1000	1	1,55
PM00290100	Ø27 x 600 ( PAMX )	2	0,91



1

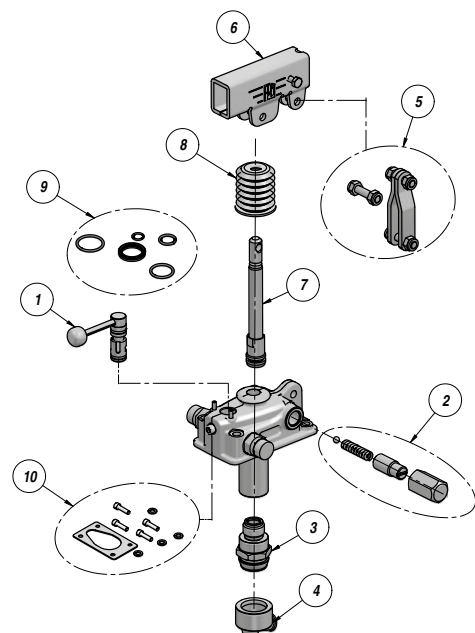


2

\* LEVA STANDARD - STANDARD HAND LEVER

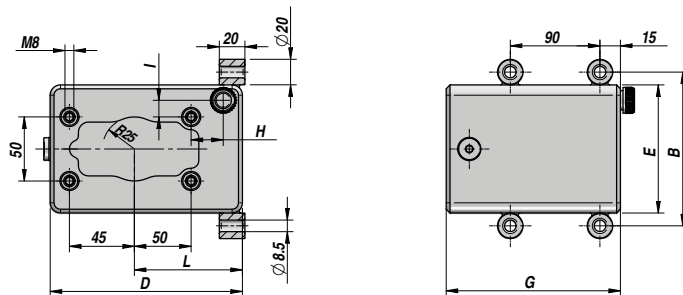
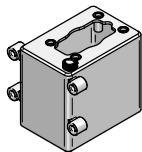
**KIT RICAMBI - SPARE PARTS**

Codice Code	Descrizione Description	Per Pompa For Pump	N°
PAMJDS1245	Kit deviatore 4 vie 4-Way Diverter kit	All type	1
PAMJVMP000	Kit VMP Relief Valve Kit	All type	2
PAMJV01200 PAMJV02500 PAMJV04500	Kit aspirazione Suction valve kit	PAM-TDSV 12 PAM-TDSV 25 PAM-TDSV 45	3
PAMJRA1245	Kit raccordo aspirazione con filtro Suction adapter kit with filter	All type	4
PAMJB01245	Kit bielle Conrod kit	All type	5
PAMJ010001	Supporto leva Hand lever holder	All type	6
PAMJPS1200 PAMJPS2025 PAMJPS4045	Kit pistone+stelo Rod Piston assembled kit	PAM-TDSV 12 PAM-TDSV 25 PAM-TDSV 45	7
PAMJ020015	Soffietto Bellow	All type	8
PAMGTD0012 PAMGTD0025 PAMGTD0045	Kit guarnizioni standard Standard seal kits	PAM-TDSV 12 PAM-TDSV 25 PAM-TDSV 45	9
PAMJ030018	Guarnizione NBR + viti NBR seal + screws	All type	10



PM

SERBATOIO PER POMPA A MANO ( TIPO PAM-T e PAM-TD )  
TANK FOR HAND PUMP ( PAM-T / PAM-TD TYPE )



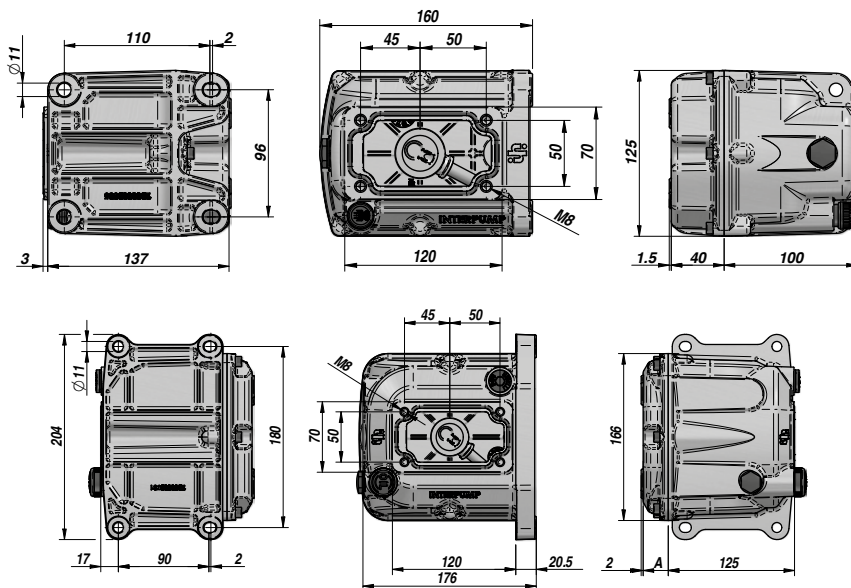
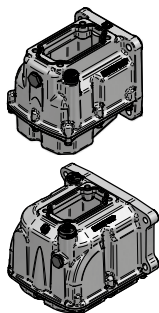
Codice Code	Capacità Capacity	B	D	E	G	H	I	L	Montaggio Mounting	kg
PM00220001	lt 1	120	150	100	120	24	12	90	N°4 fori Ø 8.5 mm N°4 holes Ø 8.5 mm	2,00
PM00220002	lt 2	120	150	100	180	24	12	90		2,20
PM00220003	lt 3	120	150	100	247	24	12	90	N°4 fori Ø 8.5 mm N°4 holes Ø 8.5 mm	2,50
PM00220005	lt 5	195	175	175	200	42	45	110		4,50
PM00220007	lt 7	195	175	175	269	42	45	110		5,40
PM00220010	lt 10	195	175	175	376	42	45	110		6,80

MATERIALE : ACCIAIO  
MATERIAL : STEEL

PAMSAL

NEW!

SERBATOIO PER POMPA A MANO ( TIPO PAM-T e PAM-TD )  
TANK FOR HAND PUMP ( PAM-T / PAM-TD TYPE )



PAMSAL01 (Lt.1)

PAMSAL02 (Lt.2)  
PAMSAL03 (Lt.3)  
PAMSAL05 (Lt.5)

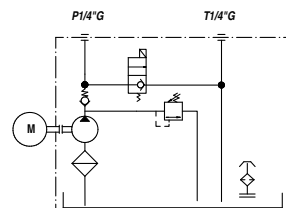
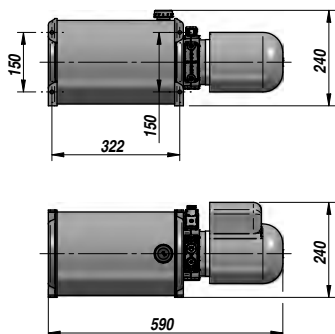
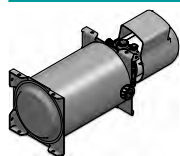
Codice Code	Capacità Capacity	A	Indicatore di livello Level Indicator BSP	Montaggio Mounting	kg
PAMSAL0100	lt 1	40	3/8"	N°4 fori Ø 11 mm N°4 holes Ø 11 mm	1,38
PAMSAL0200	lt 2	25	3/8"		1,93
PAMSAL0300	lt 3	70	3/8"		2,19
PAMSAL0500	lt 5	180	3/8"		2,82

MATERIALE : ALLUMINIO ( EN 1706 AC-AISI11Cu2 )  
MATERIAL : ALUMINIUM ( EN 1706 AC-AISI11Cu2 )



# HV-2P5

## MINICENTRALINA PER SISTEMA RIBALTABILE MINI POWER PACK FOR TIPPER

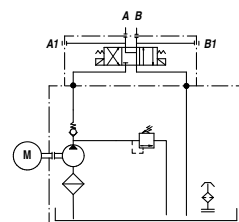
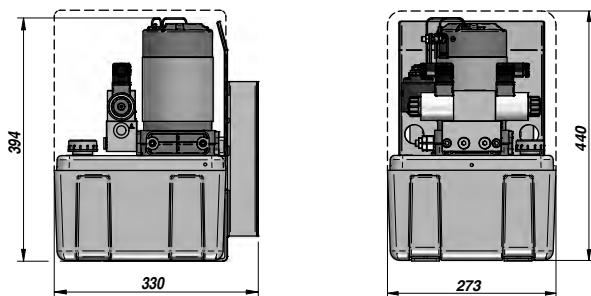
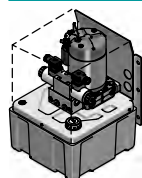


Codice Code	Motore Motor	Pompa Pump	Elettrovalvola S.E. Solenoid Valve S.A.	VMP RF	Serbatoio - Acciaio Tank - Steel	kg
HV60EPE10G12P5	1800 W - 12 VDC	2.5 cm <sup>3</sup>	12 VDC	120 bar	lt 10	16,00

VMP = VALVOLA MASSIMA PRESSION - RF = RELIEF VALVE

# HV-565

## MINICENTRALINA PER SISTEMA SCARRABILE MINI POWER PACK FOR HOOKLIFT

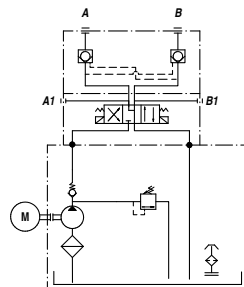
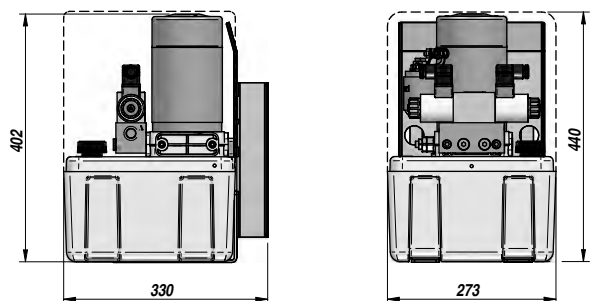
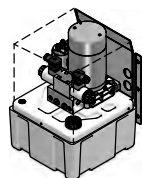


Codice Code	Motore Motor	Pompa Pump	Elettrovalvola D.E. Solenoid Valve D.A.	VMP RF	Serbatoio - Termoplastico Tank - Thermoplastic	kg
HV600000000565	2200 W - 24 VDC	2.5 cm <sup>3</sup>	Cetop 3 - 24VDC	150 bar	lt 10	21,00

VMP = VALVOLA MASSIMA PRESSION - RF = RELIEF VALVE

# HV-39X

## MINICENTRALINA PER SISTEMA ALZAGENTINA MINI POWER PACK FOR ELEVATING ROOF SYSTEM



Codice Code	Motore Motor	Pompa Pump	Elettrovalvola D.E. Solenoid Valve D.A.	VMP RF	Serbatoio - Termoplastico Tank - Thermoplastic	kg
HV60000000039X	2000 W - 24 VDC	2.0 cm <sup>3</sup>	Cetop 3 - 24VDC	150 bar	lt 10	21,00

CON VALVOLA DI BLOCCO PILOTATA D.E. - WITH D.A. PILOT OPERATED CHECK VALVE

VMP = VALVOLA MASSIMA PRESSION - RF = RELIEF VALVE



POMPE AD INGRANAGGI E FLANGETTE  
GEAR PUMPS AND CONNECTORS

	Descrizione - Description		Type	Page
	CARATTERISTICHE TECNICHE TECHNICAL SPECIFICATIONS			208÷209
	POMPA AD INGRANAGGI GEAR PUMP	GR.1	PS1-A	210÷211
	POMPA AD INGRANAGGI GEAR PUMP	GR.2	PS2-A	212÷213
 <b>NEW!</b>	POMPA AD INGRANAGGI GEAR PUMP	GR.3	PG3-G	214÷215
	POMPA MULTIPLA AD INGRANAGGI E KIT DI ACCOPPIAMENTO MULTIPLE GEAR PUMP AND ASSEMBLING KIT		PS...TS PS...TC PGKIT	216÷217
	POMPA AD INGRANAGGI GEAR PUMP	GR.1	PC-1	218
	POMPA AD INGRANAGGI GEAR PUMP	GR.2	PC-2	218
	POMPA AD INGRANAGGI GEAR PUMP	GR.3	PC-3	219
	FLANGETTA 90° PER POMPA INGRANAGGI 90° ELBOW CONNECTOR FOR GEAR PUMP		AFRG	219
	FLANGETTA 90° PER POMPA INGRANAGGI 90° ELBOW CONNECTOR FOR GEAR PUMP	BOSCH TYPE	AFR-B	219

## CARATTERISTICHE TECNICHE TECHNICAL SPECIFICATIONS

### CARATTERISTICHE

Le pompe ad ingranaggi serie "PS/PG" prevedono i seguenti gruppi, cilindrate e pressioni massime:

GR.1: da 0,9 a 9,8 cm<sup>3</sup>/giro - P.max. 290 bar

GR.2: da 4 a 31 cm<sup>3</sup>/giro - P.max. 290 bar

GR.3: da 19 a 77 cm<sup>3</sup>/giro - P.max. 300 bar

Per le pompe GR.2 sono disponibili anche versioni con flange e coperchi in ghisa.

Questa soluzione permette di aumentare le pressioni massime fino a 320 bar riducendo il livello di rumorosità.

Il bilanciamento idrostatico corregge il gioco assiale degli ingranaggi.

Rendimento volumetrico medio: 95%

La lubrificazione delle boccole di supporto è automatica e proporzionale alla pressione di lavoro utilizzata.

Flange e alberi sono intercambiabili fra loro.

Su tutte le pompe è possibile montare coperchi completi di valvola limitatrice di pressione.

Sul GR.2 è previsto anche un coperchio con regolatore di flusso o entrambe le valvole.

Tutte le pompe sono predisposte per il traino posteriore di una o più pompe, interponendo il kit di accoppiamento.

### INFORMAZIONI TECNICHE

#### Fluidi idraulici consigliati

Oli idraulici a base minerale con proprietà antischiuma, antiossidante, anticorrosione ad elevato indice di viscosità.

Viscosità raccomandata: 15 ÷ 92 mm<sup>2</sup>/s.

Viscosità limite all'avvio: 2000 mm<sup>2</sup>/s.

Temperature d'esercizio: 20°C ÷ 65°C.

Temperature limite: -20°C ÷ 80°C (NBR) -15°C ÷ 100°C (VITON).

#### Aspirazione

La pressione di esercizio in aspirazione deve essere compresa tra 0,7 - 3 bar (assoluti).

Per valori superiori (max.30 bar) è necessario ricorrere all'opzione "guarnizione K".

#### Filtrazione

Per favorire una maggior durata della pompa è necessario adottare un'efficace filtrazione verificandone periodicamente la funzionalità.

Filtrazioni raccomandate:

fino a 150 bar: 21/19/16 (ISO 4406) Classe 10 (NAS 1638)

oltre 150 bar: 20/18/15 (ISO 4406) Classe 9 (NAS 1638)

#### Senso di rotazione

Il senso di rotazione, indicato da una freccia sulla targhetta, viene definito S (sinistro) o D (destra) osservando l'albero frontalmente.

Un segno sul corpo indica il lato aspirazione.

Per invertire il senso di rotazione seguire le istruzioni in seguito riportate.

### FEATURES

The "PS/PG" gear pumps include the following groups, displacements and max. pressures:

GR.1: from 0,9 to 9,8 cm<sup>3</sup>/rev - Max.pressure 290 bar

GR.2: from 4 to 31 cm<sup>3</sup>/rev - Max. pressure 290 bar

GR.3: from 19 to 77 cm<sup>3</sup>/rev - Max. pressure 300 bar

The GR.2 gear pumps are also available with cast iron flanges and cover versions.

This solution allows to increase the max. pressures up to 320 bar, this reducing the loudness level.

The hydrostatic balance adjusts the axial backlash of the gears.

Average Volumetric efficiency: 95%

The lubrication of the supporting bushes is automatic and proportional to the used working pressure.

Flanges and shafts are interchangeable one to another.

On all pumps it is possible to mount covers complete with pressure relief valve.

On GR.2 a cover with flow regulation, or both valves, is also provided.

All pumps are arranged with back tow for one or more pumps, interposing the coupling kits.

### TECHNICAL INFORMATION

#### Recommended hydraulic fluids

Mineral based hydraulic oils with anti-foaming, antioxidative, corrosive inhibiting properties and high viscosity index.

Recommended viscosity: 15 ÷ 92 mm<sup>2</sup>/s.

Limit viscosity at startup: 2000 mm<sup>2</sup>/s.

Working temperature range: 20°C ÷ 65°C.

Temperature range: -20°C ÷ 80°C (NBR) -15°C ÷ 100°C (VITON)

#### Suction

The suction operating pressure must be between 0,7 - 3 bar (absolute values).

For higher values (max. 30 bar) it is necessary to resort to option "K seal".

#### Filtration

To facilitate a longer life of the pump it is necessary to adopt an efficient filtration, periodically verifying its functionality.

Recommended filtrations:

up to 150 bar: 21/19/16 (ISO 4406) Class 10 (NAS 1638)

above 150 bar: 20/18/15 (ISO 4406) Class 9 (NAS 1638)

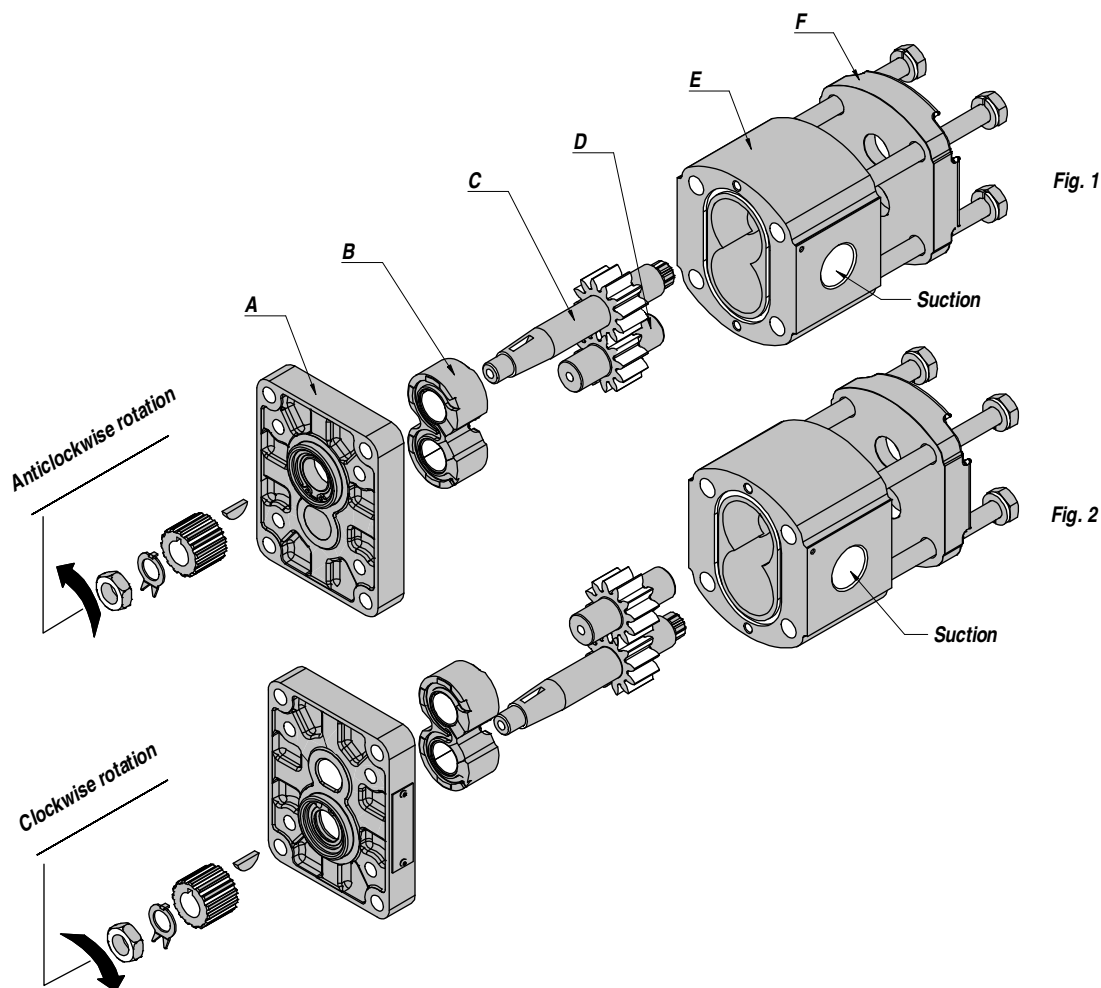
#### Wise rotation

The wise rotation, shown on the label by an arrow, is defined S (left) or D (right), when observing the shaft frontally.

A sign on the body of the pump shows the suction side.

To reverse the wise rotation please follow the instructions below.

CARATTERISTICHE TECNICHE  
TECHNICAL SPECIFICATIONS



**Inversione del senso di rotazione**

Il senso di rotazione delle pompe è evidenziato da una freccia sulla targhetta identificativa.

Sulle pompe serie "PS/PG" è possibile invertire il senso di rotazione nel seguente modo:

- smontare la pompa come da figura 1
- sfilare gli ingranaggi C e D
- rimontarli secondo figura 2
- rimontare la boccola B nella stessa posizione di figura 1
- capovolgere la flangia A
- rimontare la pompa serrando le viti con una chiave dinamometrica

Per le pompe GR.3 occorre smontare la sola flangia anteriore.

**Wise rotation reversal**

*Pumps wise rotation is shown by an arrow on the label.*

*How to invert the wise rotation on "PS/PG" pumps*

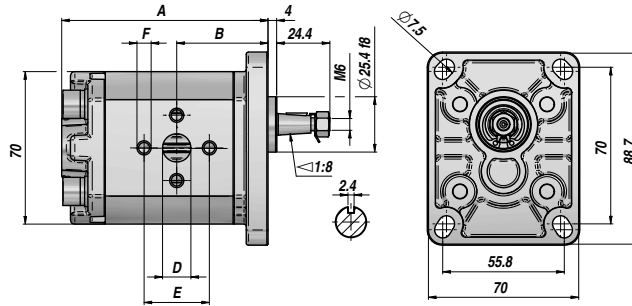
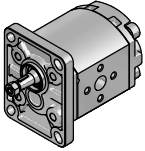
- *disassemble the pump as shown in figure 1*
- *remove the gears C and D*
- *reassemble them according to figure 2*
- *reassemble the bushing B in the same position of figure 1*
- *reverse the flange A*
- *reassemble the pump tightening the screws using a dynamometric wrench.*

*For gear pumps GR.3, disassemble the front flange only.*

Tipo pompa Pump type	GR1	GR2	GR3
Numero delle viti Number of screws	4	4	16
Tipo di filetto Type of thread	M8	M10	M10
Coppia di serraggio viti Tightening torque of screws	30 Nm	50 Nm	60 Nm
Tipo di giunto Type of coupling	BF31000400	BF31000700 BF31001900	BF31003500
Coppia di serraggio dado-giunto Tightening torque at nut-coupling	9 ÷ 10 Nm	22 ÷ 25 Nm 32 ÷ 35 Nm	50 ÷ 55 Nm

CORPO - BASE - COPERCHIO : ALLUMINIO  
BODY - FLANGE - COVER : ALUMINIUM

PS1-A



STANDARD EUROPEA BASE Ø25.4  
ALBERO CONICO 1:8

STANDARD EUROPEAN Ø25.4 FLANGE  
1:8 TAPER SHAFT

Codice Code	Tipo Type	cm3/giro cm3/rev	P MAX bar		giri/min rpm		A	B	Aspirazione Suction D x E x F	Mandata Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PG009*001110000	PS1-A 0.9 S/D EUR-BN-10-0N	0.89	240	290	6000	600	73.60	34.80	ø10x26xM5	ø10x26xM5	0,91
PG012*001110000	PS1-A 1.2 S/D EUR-BN-10-0N	1.18	240	290	6000	600	74.70	35.35	ø10x26xM5	ø10x26xM5	0,93
PG016*001110000	PS1-A 1.6 S/D EUR-BN-10-0N	1.60	240	290	6000	400	76.40	36.20	ø10x26xM5	ø10x26xM5	0,95
PG020*001110000	PS1-A 2.0 S/D EUR-BN-10-0N	2.00	220	270	5500	400	77.90	36.95	ø10x26xM5	ø10x26xM5	0,97
PG025*001110000	PS1-A 2.5 S/D EUR-BN-10-0N	2.50	220	270	5000	400	79.90	37.95	ø13x30xM6	ø13x30xM6	1,00
PG032*001110000	PS1-A 3.2 S/D EUR-BN-10-0N	3.20	210	260	4500	400	82.60	39.30	ø13x30xM6	ø13x30xM6	1,04
PG037*001110000	PS1-A 3.7 S/D EUR-BN-10-0N	3.70	210	260	4000	400	84.60	40.30	ø13x30xM6	ø13x30xM6	1,07
PG042*001110000	PS1-A 4.2 S/D EUR-BN-10-0N	4.20	190	230	3500	400	86.50	41.25	ø13x30xM6	ø13x30xM6	1,10
PG050*001110000	PS1-A 5.0 S/D EUR-BN-10-0N	5.00	180	230	3000	400	89.60	42.80	ø13x30xM6	ø13x30xM6	1,14
PG063*001110000	PS1-A 6.3 S/D EUR-BN-10-0N	6.30	170	210	2700	400	94.70	45.35	ø13x30xM6	ø13x30xM6	1,22
PG078*001110000	PS1-A 7.8 S/D EUR-BN-10-0N	7.76	170	210	2500	400	100.40	48.20	ø13x30xM6	ø13x30xM6	1,30
PG098*001110000	PS1-A 9.8 S/D EUR-BN-10-0N	9.78	150	190	2000	400	108.30	52.15	ø13x30xM6	ø13x30xM6	1,41

\*1 = ROTAZIONE SINISTRA - ANTICLOCKWISE

P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE

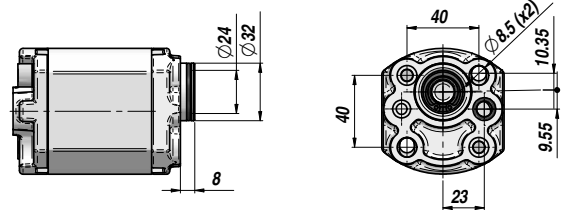
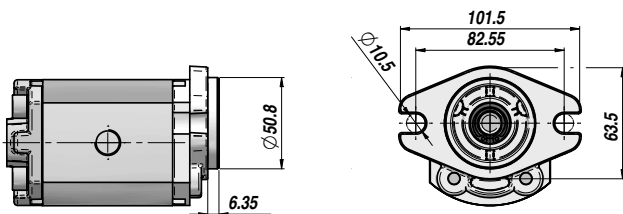
\*0 = ROTAZIONE DESTRA - CLOCKWISE

P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

FLANGE DISPONIBILI - AVAILABLE FLANGES

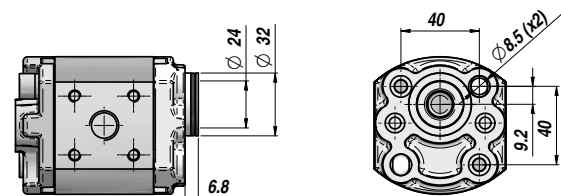
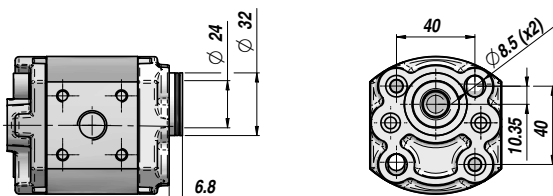
SAE-AA

MC 32



E 32 BX

E 32 CX



A RICHIESTA - ON REQUEST

VLP-(I-E) = COPERCHIO CON VALVOLA LIMITATRICE DI PRESSIONE - COVER WITH RELIEF VALVE

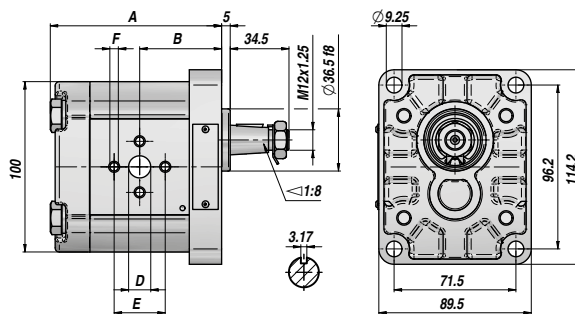
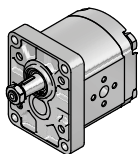
ALBERI DISPONIBILI - AVAILABLE SHAFTS

EURO	SAE-AA	MC32	E32BX	E32CX
10 	10 	10 	17 	17 
11 	11 	11 		
13 	13 	15 		
14 	14 	27 		
15 				
27 				
			E32BC 	E32CC 
			17 	17 

CONNESSIONI - CONNECTIONS

N (EURO)	G (GAS)	T (BOSCH)	U (UNF)	G4 (GAS)
<p>Suction Delivery</p>	<p>Suction Delivery</p> <p>3/8" BSP 3/8" BSP</p>	<p>Suction Delivery</p> <p>90° 90°</p>	<p>Suction Delivery</p> <p>D D</p>	<p>S= Suction D= Delivery</p> <p>3/8" BSP 3/8" BSP</p>
<p>Dimensioni : vedi tabella a lato Dimensions : see table on the left</p>			<p>D = 9/16" - 18UNF (cm<sup>3</sup> 0.9 ÷ 2.0) D = 3/4" - 16UNF (cm<sup>3</sup> 2.5 ÷ 9.8)</p>	

PS2-A



CORPO - BASE - COPERCHIO : ALLUMINIO  
BODY - FLANGE - COVER : ALUMINIUM

STANDARD EUROPEA BASE Ø36.5  
ALBERO CONICO 1:8

STANDARD EUROPEAN Ø36.5 FLANGE  
1:8 TAPER SHAFT

Codice Code	Tipo Type	cm <sup>3</sup> /giro cm <sup>3</sup> /rev	P MAX bar		giri/min rpm		A	B	Aspirazione Suction D x E x F	Mandata Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PG29004*0011000	PS2-A 04 S/D EUR-BN-10-ON	4.00	250	290	4000	500	93.00	44.40	ø13x30xM6	ø13x30xM6	2,30
PG29006*0011000	PS2-A 06 S/D EUR-BN-10-ON	6.00	250	290	4000	500	96.30	46.00	ø13x30xM6	ø13x30xM6	2,45
PG29008*0011000	PS2-A 08 S/D EUR-BN-10-ON	8.50	250	290	3500	500	100.50	48.10	ø13x30xM6	ø13x30xM6	2,60
PG29011*0011000	PS2-A 11 S/D EUR-BN-10-ON	11.00	250	290	3500	500	104.60	50.20	ø19x40xM8	ø13x30xM6	2,70
PG29014*0011000	PS2-A 14 S/D EUR-BN-10-ON	14.00	250	290	3500	500	109.60	52.70	ø19x40xM8	ø13x30xM6	2,80
PG29016*0011000	PS2-A 16 S/D EUR-BN-10-ON	16.50	230	250	3500	500	113.80	54.80	ø19x40xM8	ø13x30xM6	2,95
PG29019*0011000	PS2-A 19 S/D EUR-BN-10-ON	19.50	210	230	3300	500	118.80	57.30	ø19x40xM8	ø13x30xM6	3,10
PG29022*0011000	PS2-A 22 S/D EUR-BN-10-ON	22.50	190	210	2800	500	123.80	59.80	ø19x40xM8	ø13x30xM6	3,25
PG29026*0011000	PS2-A 26 S/D EUR-BN-10-ON	26.00	170	190	2500	500	129.60	62.70	ø19x40xM8	ø13x30xM6	3,40
PG29031*0011000	<b>NEW!</b> PS2-A 31 S/D EUR-BN-10-ON	31.50	130	150	2200	500	138.00	66,90	ø19x40xM8	ø13x30xM6	3,61

\*1 = ROTAZIONE SINISTRA - ANTICLOCKWISE

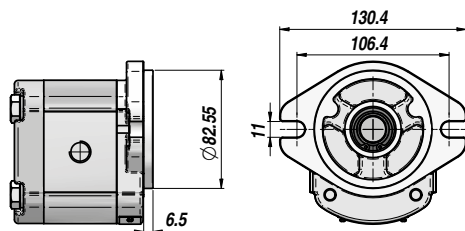
P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE

\*0 = ROTAZIONE DESTRA - CLOCKWISE

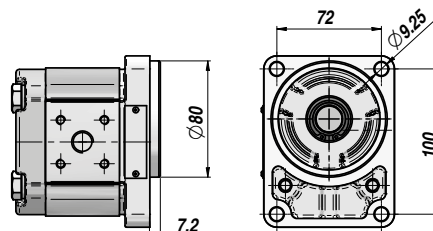
P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

FLANGE DISPONIBILI - AVAILABLE FLANGES

SAE-A



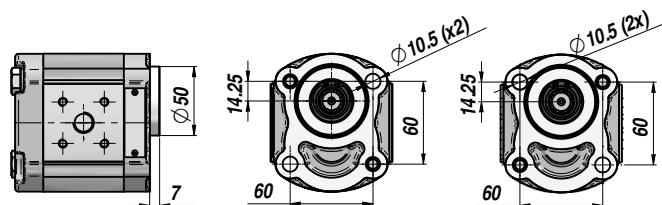
B80C



B50CX - B50CY

CX

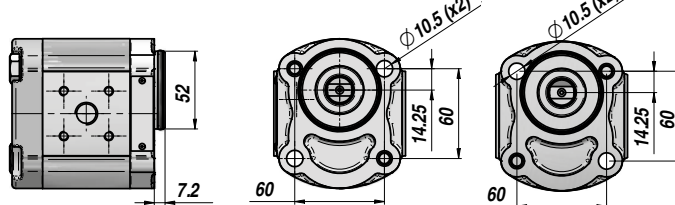
CY



E52CX - E52CY

CX

CY



A RICHIESTA - ON REQUEST

PS2-G = BASE STANDARD EURO Ø36,5 E COPERCHIO IN GHISA - CAST IRON ST. EURO Ø36,5 FLANGE AND COVER

PS2-G SAE-A = BASE SAE-A Ø82,55 E COPERCHIO IN GHISA - CAST IRON SAE-A Ø82,55 FLANGE AND COVER

SU-ST = SUPPORTO CON CUSCINETTI - SUPPORT WITH BEARINGS

VLP-(I-E) = COPERCHIO CON VALVOLA LIMITATRICE DI PRESSIONE - COVER WITH RELIEF VALVE

VRF = COPERCHIO CON REGOLATORE DI FLUSSO - COVER WITH PRIORITY FLOW VALVE

VRF+VLP-I = COPERCHIO CON REGOLATORE DI FLUSSO E VALVOLA LIMITATRICE DI PRESSIONE - COVER WITH PRIORITY FLOW AND RELIEF VALVE

ALBERI DISPONIBILI - AVAILABLE SHAFTS

EURO	SAE-A	B80C	B50 (CX-CY)	E52 (CX-CY)
10	10	10	10	17
11	11	11	11	
12	12	12	12	
13	13	13	13	
14	14	14	14	
15	15	15	15	
16	16	16	16	

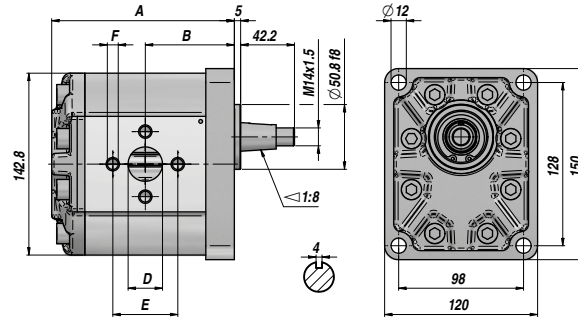
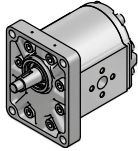
CONNESSIONI - CONNECTIONS

N (EURO)	G (GAS)	T (BOSCH)	U (UNF)	F (SAE)
<p>Suction Delivery</p> <p>Dimensioni : vedi tabella a lato Dimensions : see table on the left</p>	<p>Suction Delivery</p> <p>C = 1/2" (cm<sup>3</sup> 4 ÷ 8) C = 3/4" (cm<sup>3</sup> 11 ÷ 31)</p>	<p>Suction Delivery</p> <p>C = 7/8" - 14UNF (cm<sup>3</sup> 4 ÷ 8) C = 1.1/16" - 12UN (cm<sup>3</sup> 11 ÷ 31)</p>	<p>Suction Delivery</p> <p>C = 7/8" - 14UNF (cm<sup>3</sup> 4 ÷ 8) C = 1.1/16" - 12UN (cm<sup>3</sup> 11 ÷ 31)</p>	<p>Suction Delivery</p> <p>C = 20 - D=38 - E=17.4 (cm<sup>3</sup> 4 ÷ 11) C = 26 - D=22.4 - E=47.6 (cm<sup>3</sup> 14 ÷ 31)</p>

PG3-G

NEW!

POMPA AD INGRANAGGI GR. 3  
GEAR PUMP GR. 3



CORPO : ALLUMINIO  
BASE - COPERCHIO : GHISA  
BODY : ALUMINIUM  
FLANGE - COVER : CAST IRON

STANDARD EUROPEA BASE Ø50.8  
ALBERO CONICO 1:8

STANDARD EUROPEAN Ø50.8 FLANGE  
1:8 TAPER SHAFT

Codice Code	Tipo Type	cm3/giro cm3/rev	P MAX bar		giri/min rpm		A	B	Aspirazione Suction D x E x F	Mandata Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PG3G119*0011000	PG3-G 19 S/D EUR-BN-10-0N	19.30	250	300	3500	700	128.30	62.40	ø27x51xM10	ø19x40xM8	7,67
PG3G123*0011000	PG3-G 23 S/D EUR-BN-10-0N	23.00	240	290	3500	700	131.30	63.90	ø27x51xM10	ø19x40xM8	7,81
PG3G130*0011000	PG3-G 30 S/D EUR-BN-10-0N	30.20	220	260	3300	700	137.30	66.90	ø27x51xM10	ø19x40xM8	8,09
PG3G134*0011000	PG3-G 34 S/D EUR-BN-10-0N	33.80	220	260	3300	700	140.30	68.40	ø27x51xM10	ø19x40xM8	8,22
PG3G137*0011000	PG3-G 37 S/D EUR-BN-10-0N	37.50	210	250	3300	700	143.30	69.90	ø27x51xM10	ø19x40xM8	8,36
PG3G144*0011000	PG3-G 44 S/D EUR-BN-10-0N	44.60	200	240	3000	700	149.30	72.90	ø27x51xM10	ø19x40xM8	8,64
PG3G153*0011000	PG3-G 53 S/D EUR-BN-10-0N	53.00	200	240	3000	700	156.30	76.40	ø27x51xM10	ø19x40xM8	8,96
PG3G162*0011000	PG3-G 62 S/D EUR-BN-10-0N	62.70	180	200	2500	700	164.30	80.40	ø27x51xM10	ø19x40xM8	9,33
PG3G170*0011000	PG3-G 70 S/D EUR-BN-10-0N	70.50	180	208	2500	700	170.80	86.90	ø27x51xM10	ø19x40xM8	9,63
PG3G177*0011000	PG3-G 77 S/D EUR-BN-10-0N	77.20	170	196	2200	700	176.30	92.40	ø27x51xM10	ø19x40xM8	9,88

\*1 = ROTAZIONE SINISTRA - ANTICLOCKWISE

P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE

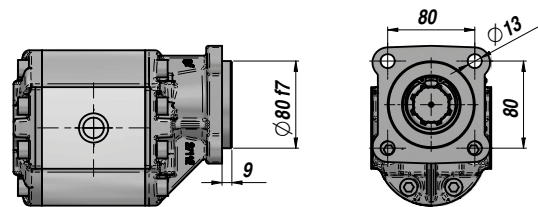
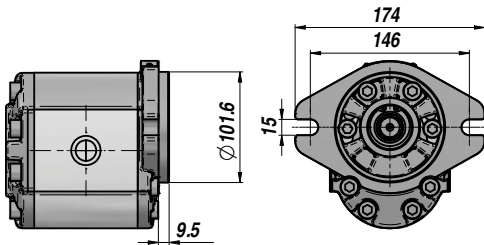
\*0 = ROTAZIONE DESTRA - CLOCKWISE

P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

FLANGE DISPONIBILI - AVAILABLE FLANGES

SAE-B

ZFC

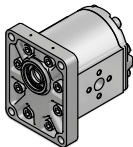
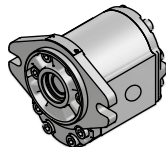
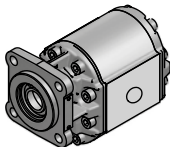
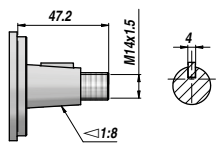
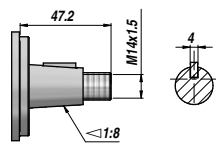
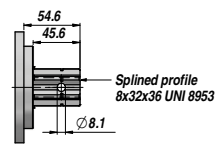
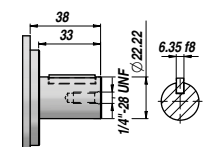
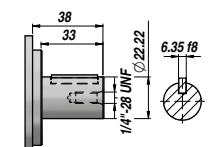
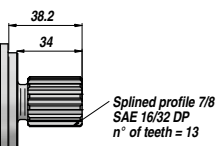
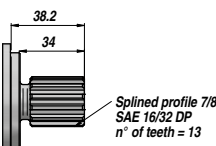


A RICHIESTA - ON REQUEST

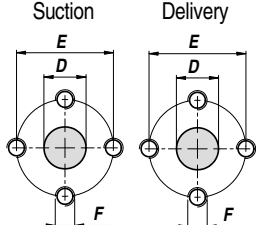
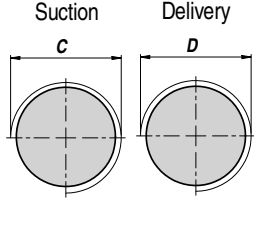
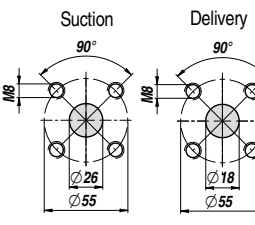
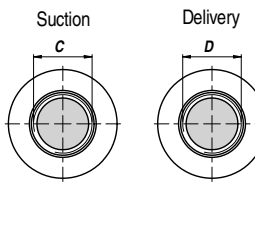
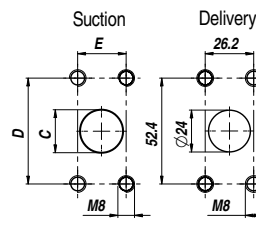
VLP-I = COPERCHIO CON VALVOLA LIMITATRICE DI PRESSIONE - COVER WITH RELIEF VALVE



ALBERI DISPONIBILI - AVAILABLE SHAFTS

EURO	SAE-B	ZFC		
				
10 	10 	24 		
13 	13 			
14 	14 			

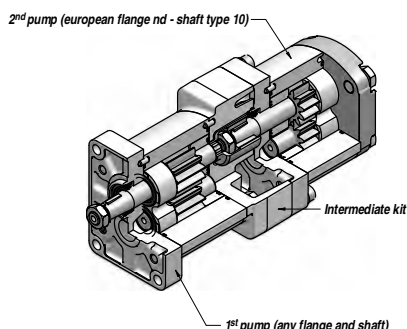
CONNESSIONI - CONNECTIONS

N (EURO)	G (GAS)	T (BOSCH)	W (UNF)	F (SAE)
<p>Suction Delivery</p>  <p>Dimensioni : vedi tabella a lato Dimensions : see table on the left</p>	<p>Suction Delivery</p>  <p>C= 1" - D= 3/4" (cm<sup>3</sup> 19 ÷ 62) C= 1 1/4" - D= 1" (cm<sup>3</sup> 70 ÷ 77)</p>	<p>Suction Delivery</p> 	<p>Suction Delivery</p>  <p>C= 1 5/16" - D= 1 1/16" (cm<sup>3</sup> 19 ÷ 30) C= 1 5/8" - D= 1 5/16" (cm<sup>3</sup> 34 ÷ 62) C= 1 7/8" - D= 1 5/8" (cm<sup>3</sup> 70 ÷ 77)</p>	<p>Suction Delivery</p>  <p>C= 27 - D= 52.4 - E= 26.2 (cm<sup>3</sup> 19÷37) C= 42 - D= 35.6 - E= 69.8 (cm<sup>3</sup> 44÷77)</p>

POMPA MULTIPLA AD INGRANAGGI - MULTIPLE GEAR PUMP

PS ... TS

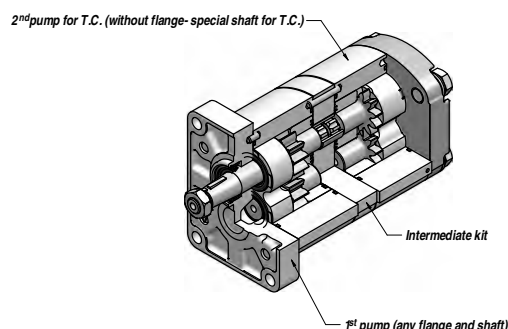
TANDEM STANDARD  
STANDARD TANDEM



La somma delle coppie assorbite dalle singole pompe non deve superare la coppia massima ammessa sull'albero dell'unità trascinatrice.  
La coppia massima assorbita dalle pompe trascinate non deve superare la coppia ammessa dal traino della precedente.  
Vedi tabella.

PS ... TC

TANDEM CORTO (T.C.)  
SHORT TANDEM (T.C.)



The sum of the torques absorbed by each single pump must not exceed the max torque permitted on the primary gear pump.  
The max torque absorbed by the intermediate and final pumps must not exceed the torque permitted by the tow of the preceding pump.  
See table.

	Coppia ammessa sull'albero principale ( Nm ) Permissible shaft torque ( Nm )									Coppia trasmessa dal traino pompa. Torque transmitted by rear draft.
	Albero - Shaft									
	Type 10	Type 11	Type 12	Type 13	Type 14	Type 15	Type 16	Type 17	Type 27	
	Nm									
GR 1	30	30		35	40	30		25	25	30
GR 2	140	140	80	90	100	100	100	80		80
GR 3	240			200	270					230

Le pompe in tandem (o multiple) a due o più stadi sono disponibili in due esecuzioni: STANDARD e T.C. (Tandem Corto).

**Tandem Standard**

L'aspirazione di ogni singola pompa del tandem è indipendente.

**Tandem Corto (T.C.)**

Dimensioni ridotte rispetto al tipo standard.

Le aspirazioni di ogni singola pompa sono comunicanti fra loro.

Il T.C. necessita di un serbatoio unico.

Tutte le pompe serie "PS/PG" sono predisposte per il traino di una successiva. Con semplici operazioni di disassemblaggio e assemblaggio, utilizzando le pompe singole, è possibile realizzare l'unità tandem.

La limitata quantità di "kit di collegamento e accessori" permette di ridurre il valore del magazzino e favorisce un rapido servizio.

Le prestazioni delle pompe utilizzate per il tandem sono le stesse delle corrispondenti unità singole.

Sono possibili combinazioni con tutti i gruppi pompa (GR.1 - GR.2 - GR.3).

The two-staged or more tandem (or multiple) gear pumps are available as: STANDARD and T.C. (SHORT TANDEM).

**Standard Tandem**

The suction of each single pump of the tandem is independent.

**Short Tandem (T.C.)**

Smaller dimensions than the standard type.

The suctions of each pump are connected with each other.

The T.C. (short tandem) requires a single tank.

All "PS/PG" gear pumps are machined for the tow of the next pump.

Through simple assembling and disassembling operations, by using single pumps, it is possible to obtain the tandem unit.

The limited quantity of the "connection kits and accessories" allows to reduce the stock value and supports a quick service.

The performances of the single gear pumps composing the tandem are the same ones of the corresponding single units.

Different combinations are possible with all pumps groups (GR.1 - GR.2 - GR.3).

**KIT DI ACCOPPIAMENTO PER POMPA MULTIPLA**  
**ASSEMBLING KIT FOR MULTIPLE GEAR PUMP**

**NEW!**

**PGKIT**

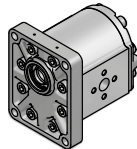
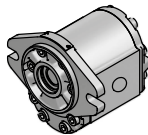
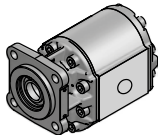
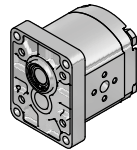
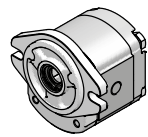
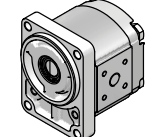
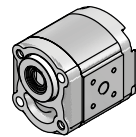
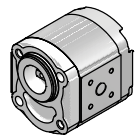
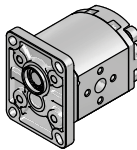
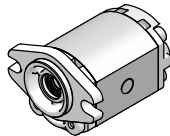
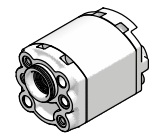
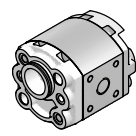
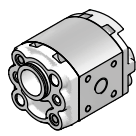
2<sup>a</sup> (..3<sup>a</sup> ..) pompa - 2<sup>nd</sup> (..3<sup>rd</sup> ..) pump

1 <sup>a</sup> pompa - 1 <sup>st</sup> pump	3	2	1
1			PGKIT0109110000 PGKIT0109110100 *
2		PGKIT0109220000 PGKIT0109220100 *	PGKIT0109211000 PGKIT0109210100
3	PGKIT010G330000 PGKIT0109331000	PGKIT010G320000 PGKIT0109321000	PGKIT010G310000 PGKIT010G310100

Tandem STANDARD  
STANDARD Tandem

Tandem CORTO  
SHORT Tandem

\* = Tiranti non compresi - Tie Rods not included  
(vedi tabella sotto - see table below)

EURO	SAE-B	ZFC		
				
EURO	SAE-A	B80-C	B50 (CX-CY)	E52 (CX-CY)
				
EURO	SAE-AA	MC32	E32BX	E32CX
				

**TIRANTE UNIVERSALE E DADO PER ACCOPPIAMENTO POMPA TANDEM CORTO**  
**UNIVERSAL TIE ROD AND NUT FOR ASSEMBLING SHORT TANDEM PUMP**

**NEW!**

**PGKT**

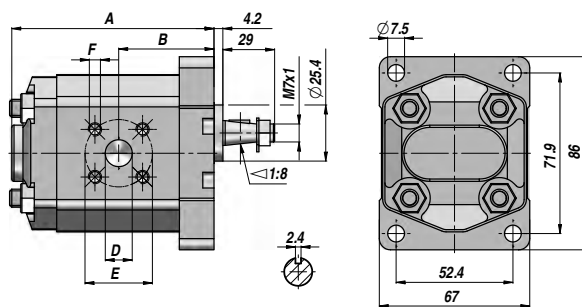
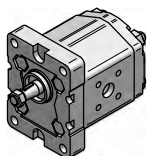
2<sup>a</sup> (..3<sup>a</sup> .. 4<sup>a</sup>) pompa - 2<sup>nd</sup> (..3<sup>rd</sup> .. 4<sup>th</sup>) pump

1 <sup>a</sup> pompa 1 <sup>st</sup> pump	+1	+1 +1	+1 +1 +1	+2	+2 +2	+2 +2 +2
1	PGKT01024309069 CDA0000800	PGKT01024329079 CDA0000800	PGKT01024312539 CDA0000800			
2				PGKT01024303749 CDA0001015	PGKT01024301829 CDA0001015	PGKT01024305389 CDA0001015

Per ogni accoppiamento occorre ordinare nr. 4 pezzi per ogni codice indicato sopra.  
4 pcs of each above code need to be ordered for each coupling.

**PC-1**

POMPA AD INGRANAGGI GEAR PUMP GR. 1



CORPO - BASE - COPERCHIO : ALLUMINIO  
BODY - FLANGE - COVER : ALUMINIUM

STANDARD EUROPEA BASE Ø25.4  
ALBERO CONICO 1:8  
STANDARD EUROPEAN Ø25.4 FLANGE  
1:8 TAPER SHAFT

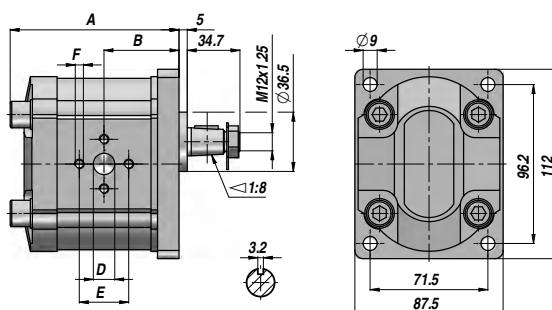
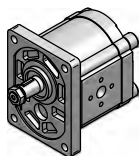
Codice Code	Tipo Type	cm3/giro cm3/rev	P MAX bar		giri/min rpm		A	B	Aspirazione Suction D x E x F	Mandata Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PC*111ECC1A	PC*111	1.10	200	250	6000	700	75	33	Ø12x30xM6	Ø12x30xM6	0.87
PC*113ECC1A	PC*113	1.30	200	250	6000	700	76	34	Ø12x30xM6	Ø12x30xM6	0.89
PC*116ECC1A	PC*116	1.60	200	250	6000	700	78	35	Ø12x30xM6	Ø12x30xM6	0.90
PC*121ECC1A	PC*121	2.10	200	250	6000	700	79	36	Ø12x30xM6	Ø12x30xM6	0.92
PC*127ECC1A	PC*127	2.70	200	250	6000	700	81	37	Ø12x30xM6	Ø12x30xM6	0.95
PC*132ECC1A	PC*132	3.20	200	230	5000	700	83	38	Ø12x30xM6	Ø12x30xM6	0.97
PC*137ECC1A	PC*137	3.70	200	230	4500	700	85	39	Ø12x30xM6	Ø12x30xM6	1.00
PC*142ECC1A	PC*142	4.20	200	230	4000	700	87	40	Ø12x30xM6	Ø12x30xM6	1.02
PC*148ECC1A	PC*148	4.80	160	200	3500	700	89	41	Ø12x30xM6	Ø12x30xM6	1.05
PC*158ECC1A	PC*158	5.80	160	200	2900	700	93	43	Ø12x30xM6	Ø12x30xM6	1.10
PC*179ECC1A	PC*179	8.00	160	180	2100	700	101	47	Ø12x30xM6	Ø12x30xM6	1.20

\*S = ROTAZIONE SINISTRA - ANTICLOCKWISE  
\*D = ROTAZIONE DESTRA - CLOCKWISE

P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE  
P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

**PC-2**

POMPA AD INGRANAGGI GEAR PUMP GR. 2



CORPO : ALLUMINIO  
BASE - COPERCHIO : GHISA  
BODY : ALUMINIUM  
FLANGE - COVER : CAST IRON

STANDARD EUROPEA BASE Ø36.5  
ALBERO CONICO 1:8  
STANDARD EUROPEAN Ø36.5 FLANGE  
1:8 TAPER SHAFT

Codice Code	Tipo Type	cm3/giro cm3/rev	P MAX bar		giri/min rpm		A	B	Aspirazione Suction D x E x F	Mandata Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PC*206EAA1G	PC*206	6.00	200	250	3000	700	100	47	Ø13x30xM6	Ø13x30xM6	3.41
PC*208EAA1G	PC*208	8.00	200	250	3000	700	104	49	Ø13x30xM6	Ø13x30xM6	3.51
PC*210EAA1G	PC*210	10.00	200	250	3000	700	106	50	Ø20x40xM8	Ø13x30xM6	3.57
PC*212EAA1G	PC*212	12.00	200	230	3000	700	110	52	Ø20x40xM8	Ø13x30xM6	3.71
PC*214EAA1G	PC*214	14.00	200	230	3000	700	112	53	Ø20x40xM8	Ø13x30xM6	3.74
PC*216EAA1G	PC*216	16.00	200	230	3000	700	116	55	Ø20x40xM8	Ø13x30xM6	3.86
PC*220EAA1G	PC*220	20.00	190	230	3000	700	122	58	Ø20x40xM8	Ø13x30xM6	4.03
PC*225EAA1G	PC*225	25.00	160	200	2500	700	130	62	Ø20x40xM8	Ø13x30xM6	4.26
PC*230EAA1G	PC*230	30.00	140	180	2500	700	138	66	Ø22x40xM8	Ø20x40xM8	4.80

\*S = ROTAZIONE SINISTRA - ANTICLOCKWISE  
\*D = ROTAZIONE DESTRA - CLOCKWISE

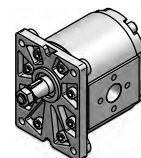
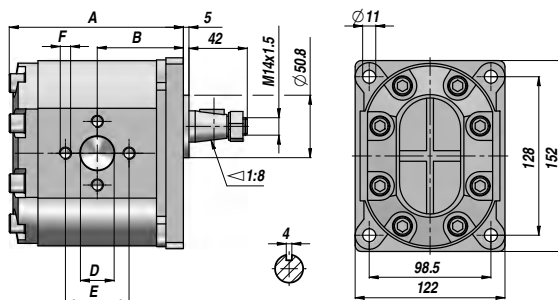
P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE  
P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

A RICHIESTA - ON REQUEST: CORPO FILETTATO "BSP" - "BSP" THREADED HOUSING

GR. 3 POMPA AD INGRANAGGI  
GEAR PUMP

PC-3

CORPO : ALLUMINIO  
BASE - COPERCHIO : GHISA  
BODY : ALUMINIUM  
FLANGE - COVER : CAST IRON



STANDARD EUROPEA BASE Ø50.8  
ALBERO CONICO 1:8  
STANDARD EUROPEAN Ø50.8 FLANGE  
1:8 TAPER SHAFT

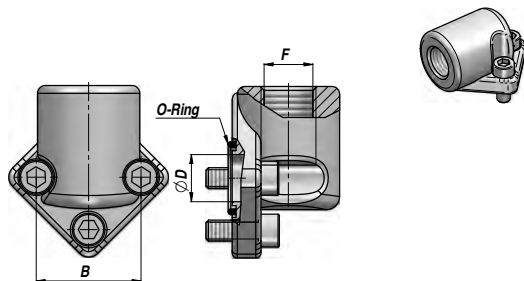
Codice Code	Tipo Type	cm3/giro cm3/rev	P MAX bar		giri/min rpm		A	B	Aspirazione Suction D x E x F	Mandata Delivery D x E x F	kg
			P1	P3	MAX	MIN					
PC*322EAA1G	PC*322	22.00	200	250	3000	600	129	64	Ø20x40xM8	Ø20x40xM8	8,10
PC*326EAA1G	PC*326	26.00	200	250	3000	600	132	66	Ø22x40xM8	Ø20x40xM8	8,30
PC*333EAA1G	PC*333	34.00	200	250	3000	500	137	68	Ø27x51xM10	Ø27x51xM10	8,60
PC*339EAA1G	PC*339	39.00	200	250	3000	500	141	70	Ø27x51xM10	Ø27x51xM10	8,80
PC*342EAA1G	PC*342	43.00	200	250	2800	500	144	71	Ø27x51xM10	Ø27x51xM10	9,00
PC*350EAA1G	PC*350	51.00	200	250	2800	500	150	74	Ø27x56xM10	Ø27x51xM10	9,20
PC*360EAA1G	PC*360	60.00	180	230	2800	400	156	77	Ø33x62xM10	Ø27x51xM10	9,60
PC*371EAA1G	PC*371	70.00	175	200	2500	400	163	81	Ø33x62xM10	Ø27x51xM10	9,90

\*S = ROTAZIONE SINISTRA - ANTICLOCKWISE  
\*D = ROTAZIONE DESTRA - CLOCKWISE

P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE  
P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

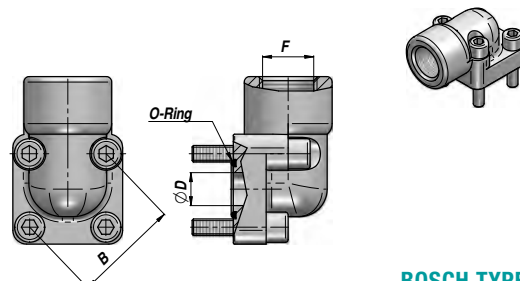
FLANGETTA 90° PER POMPA INGRANAGGI  
90° ELBOW CONNECTOR FOR GEAR PUMP

AFRG



FLANGETTA 90° PER POMPA INGRANAGGI  
90° ELBOW CONNECTOR FOR GEAR PUMP

AFR-B



BOSCH TYPE

Codice Code	F BSP	B	ØD	O-Ring	kg
AFRG026060	3/8"	26	11.5	015	0,14
AFRG026080	1/2"	26	11.5	015	0,13
AFRG030060	3/8"	30	12.0	809	0,15
AFRG030080	1/2"	30	12.0	809	0,14
AFRG040080	1/2"	40	19.0	814	0,32
AFRG040120	3/4"	40	19.0	814	0,28
AFRG040121	3/4"	40	23.5	022	0,28
AFRG051120	3/4"	51	24.0	217	0,60
AFRG051160	1"	51	24.0	217	0,51
AFRG056160	1"	56	24.0	217	0,52
AFRG062200	1"1/4	62	33.5	222	1,03
AFRG072240	1"1/2	72	40.0	830	1,07

Codice Code	F BSP	B	ØD	O-Ring	kg
AFRB030060 *	3/8"	30	12	809	0,10
AFRB030080 *	1/2"	30	12	809	0,09
AFRB035060 *	3/8"	35	12	116	0,11
AFRB035080 *	1/2"	35	12	116	0,11
AFRB040080 *	1/2"	40	19	814	0,18
AFRB040120 *	3/4"	40	19	814	0,17
AFRGB35060	3/8"	35	12	116	0,29
AFRGB35080	1/2"	35	12	116	0,27
AFRGB40080	1/2"	40	19	813	0,36
AFRGB40120	3/4"	40	19	813	0,35

MATERIALE : ACCIAIO  
MATERIAL : STEEL

MATERIALE : ACCIAIO - \* ALLUMINIO  
MATERIAL : STEEL - \* ALUMINIUM

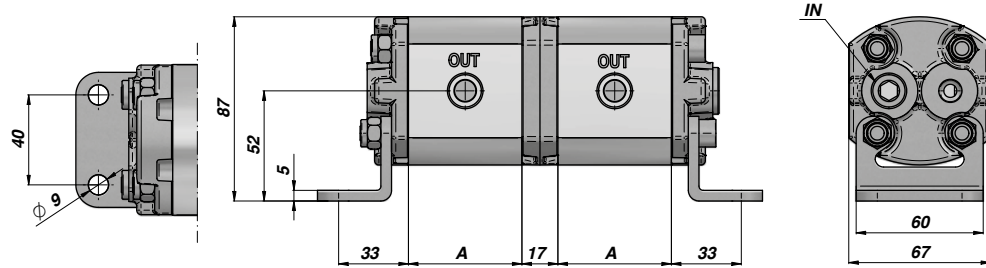
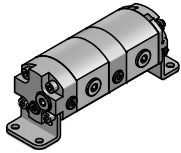




DF1-ST

NEW!

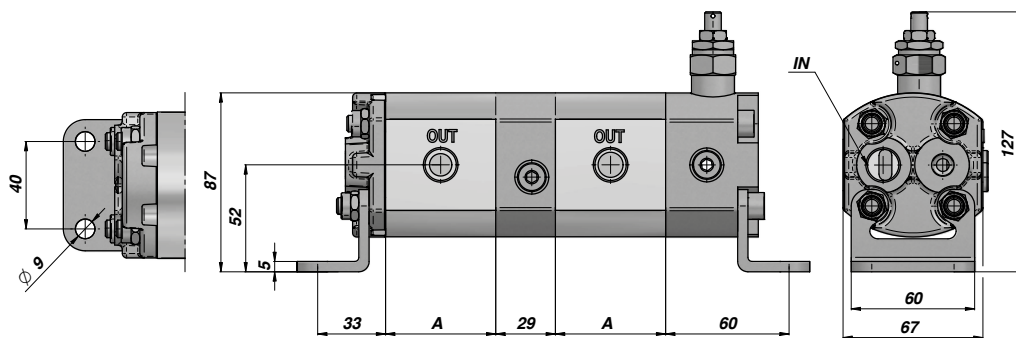
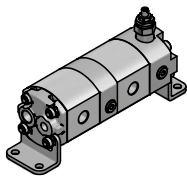
DIVISORE DI FLUSSO TIPO STANDARD  
GEAR FLOW DIVIDER STANDARD TYPE



DF1-VU

NEW!

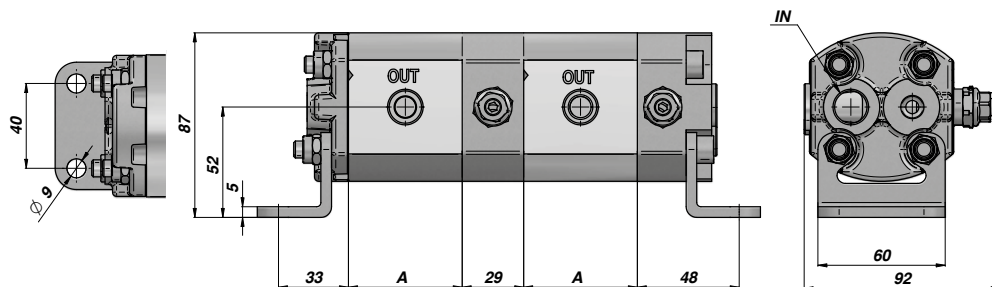
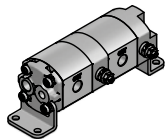
DIVISORE DI FLUSSO CON VALVOLA RIFASATRICE SINGOLA  
GEAR FLOW DIVIDER WITH SINGLE RELIEF VALVE



DF1-VM

NEW!

DIVISORE DI FLUSSO CON VALVOLA RIFASATRICE IN OGNI ELEMENTO  
GEAR FLOW DIVIDER WITH RELIEF VALVE ON EACH ELEMENT



Tipo Type	cm <sup>3</sup> /giro cm <sup>3</sup> /rev	Q l/min for element			P1 MAX bar	P3 MAX bar	A	IN BSP	OUT BSP	kg
		Min.	Optimal	Max.						
DF 1 - (ST-VU-VM) 0.9	0.89	1.0	2.0	4.2	240	260	37.60	3/8"	3/8"	0,42
DF 1 - (ST-VU-VM) 1.2	1.18	1.5	3.0	5.6	240	260	38.70	3/8"	3/8"	0,44
DF 1 - (ST-VU-VM) 1.6	1.60	1.9	3.8	7.6	240	260	40.40	3/8"	3/8"	0,46
DF 1 - (ST-VU-VM) 2.5	2.50	2.5	5.8	12.0	220	250	43.90	3/8"	3/8"	0,50
DF 1 - (ST-VU-VM) 3.7	3.70	3.7	8.3	13.3	210	240	48.60	3/8"	3/8"	0,56
DF 1 - (ST-VU-VM) 5.0	5.00	5.0	11.2	18.0	180	210	53.60	3/8"	3/8"	0,63
DF 1 - (ST-VU-VM) 7.8	7.76	8.4	15.9	27.9	170	190	64.40	3/8"	3/8"	0,77

P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE

P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

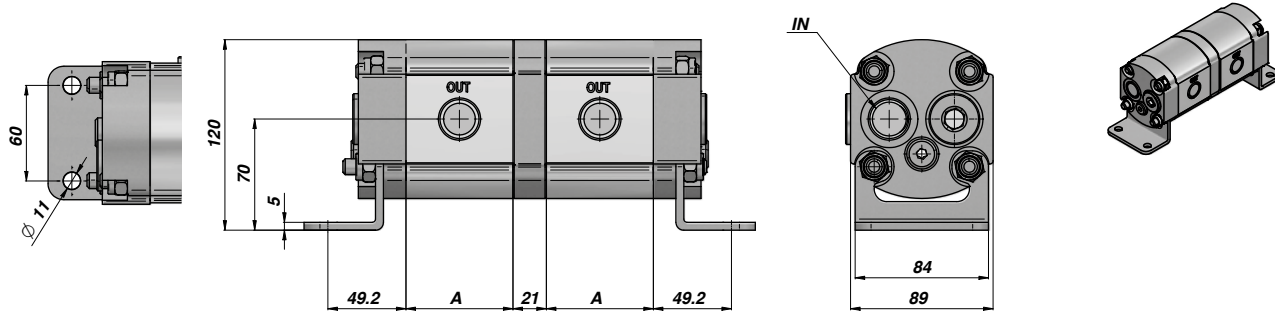
I dati della tabella sono riferiti ad un singolo elemento

The data of the table refer to a single element



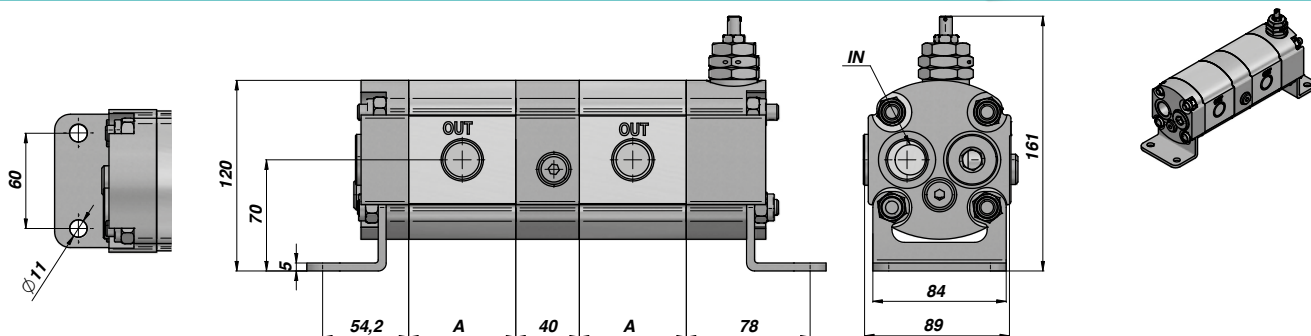
**DIVISORE DI FLUSSO TIPO STANDARD**  
**GEAR FLOW DIVIDER STANDARD TYPE**

**NEW!** **DF2-ST**



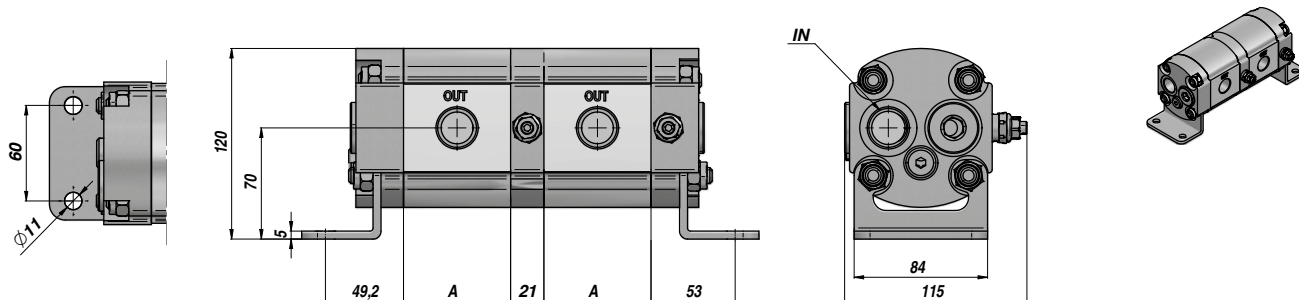
**DIVISORE DI FLUSSO CON VALVOLA RIFASATRICE SINGOLA**  
**GEAR FLOW DIVIDER WITH SINGLE RELIEF VALVE**

**NEW!** **DF2-VU**



**DIVISORE DI FLUSSO CON VALVOLA RIFASATRICE IN OGNI ELEMENTO**  
**GEAR FLOW DIVIDER WITH RELIEF VALVE ON EACH ELEMENT**

**NEW!** **DF2-VM**



Tipo Type	cm3/giro cm3/rev	Q l/min for element			P1 MAX bar	P3 MAX bar	A	IN BSP	OUT BSP	kg
		Min.	Optimal	Max.						
DF 2 - (ST-VU-VM) 8	8.5	10.2	14.2	26.0	250	270	58.3	3/4"	1/2"	1,24
DF 2 - (ST-VU-VM) 11	11.0	13.2	19.4	33.0	250	270	62.4	3/4"	3/4"	1,33
DF 2 - (ST-VU-VM) 14	14.0	16.8	25.9	42.0	250	270	67.4	3/4"	3/4"	1,44
DF 2 - (ST-VU-VM) 16	16.5	19.8	29.2	49.0	230	240	71.6	3/4"	3/4"	1,55
DF 2 - (ST-VU-VM) 22	22.5	27.0	41.9	67.0	190	200	81.6	3/4"	3/4"	1,80
DF 2 - (ST-VU-VM) 26	26.0	31.2	45.4	78.0	170	180	87.4	3/4"	3/4"	1,94

P1 = PRESSIONE MAX. DI ESERCIZIO - MAX. WORKING PRESSURE

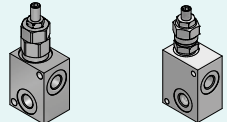
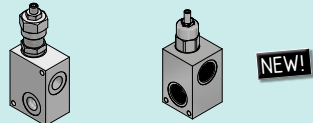
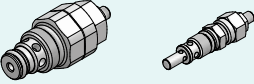
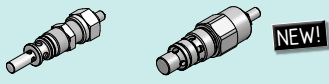
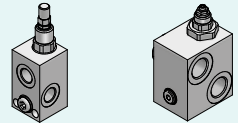
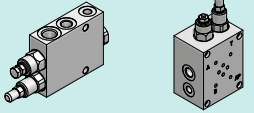
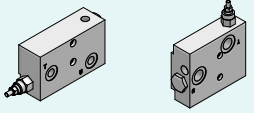
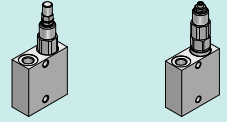
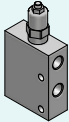
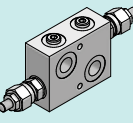
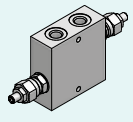
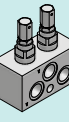
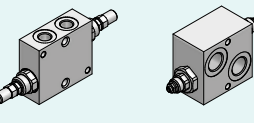
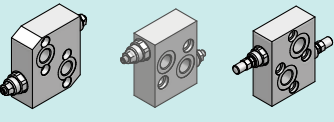
P3 = PRESSIONE MAX. DI PICCO - MAX. PEAK PRESSURE

I dati della tabella sono riferiti ad un singolo elemento

The data of the table refer to a single element



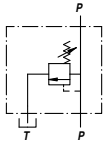
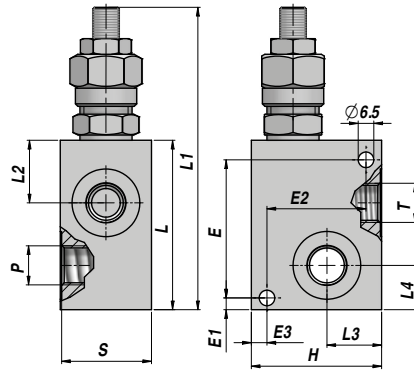
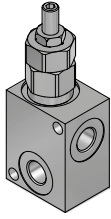
## VALVOLE CONTROLLO PRESSIONE PRESSURE CONTROL VALVES

	Descrizione - Description	Type	Page
	VALVOLA LIMITATRICE DI PRESSIONE RELIEF VALVE	VMDL 20 VMD 35	226
	VALVOLA LIMITATRICE DI PRESSIONE RELIEF VALVE	VMD 80 VMD-S 150	227
	VALVOLA LIMITATRICE DI PRESSIONE A CARTUCCIA RELIEF VALVE - CARTRIDGE TYPE	VMDC 20 VMDC 35	228
	VALVOLA LIMITATRICE DI PRESSIONE A CARTUCCIA RELIEF VALVE - CARTRIDGE TYPE	VMDC 80 VMDC 150	229
	VALVOLA LIMITATRICE DI PRESSIONE RELIEF VALVE	VMP/L VMP VMPP	230 ÷ 231
	VALVOLA DI ESCLUSIONE UNLOADING VALVE	VABP VABP/FL	231 ÷ 232
	VALVOLA DI ESCLUSIONE UNLOADING VALVE	VEP-FLP	232
	VALVOLA DI SEQUENZA SEQUENCE VALVE	VS2C VSQ-APP	233
	VALVOLA RIDUTTRICE DI PRESSIONE PRESSURE REDUCING VALVE	VRP VRPRL	234
	VALVOLA ANTIURTO DOPPIA DUAL CROSS-OVER RELIEF VALVE	VMD135 VMD180	235
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	VALVOLA ANTIURTO DOPPIA DUAL CROSS-OVER RELIEF VALVE	VMDA-CSV	237
	VALVOLA ANTIURTO DOPPIA DUAL CROSS-OVER RELIEF VALVE	VAU/DE VAU/DE 1"	237 ÷ 238
	VALVOLA ANTIURTO PER MOTORI CROSS LINE RELIEF VALVE FOR MOTORS	VAU/DE MP-R-S-T	238

VMDL 20

NEW!

VALVOLA LIMITATRICE DI PRESSIONE  
RELIEF VALVE



Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG003.0210B1	1/4"	1/4"	20	350	VMDL A20-010-B1	45	89	17	20	13	42	5	30	5	40	30	0,24
VAG003.0220B1	3/8"	3/8"	20	350	VMDL A20-020-B1	45	89	17	20	13	42	5	30	5	40	30	0,24

MOLLA - SPRING : A= 5:60 bar - B= 50:240 bar ( Standard ) - C= 90:350 bar - D= 20:130 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



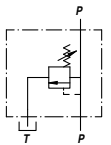
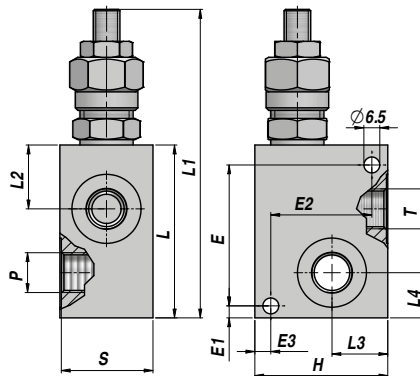
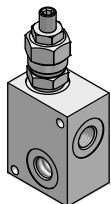
A RICHIESTA - ON REQUEST: ACCIAIO - STEEL (VMDL-S - 400 bar)

MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VMD 35

VALVOLA LIMITATRICE DI PRESSIONE  
RELIEF VALVE



Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG002.0320B1	3/8"	3/8"	35	350	VMD A35-020-B1	65	129	24	20	17	53	5	34	6	50	35	0,40
VAG002.0330B1	1/2"	1/2"	35	350	VMD A35-030-B1	65	129	24	20	17	53	5	34	6	50	35	0,39

MOLLA - SPRING : A= 5:50 bar - B= 40:210 bar ( Standard ) - C= 100:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



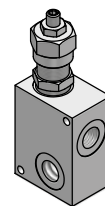
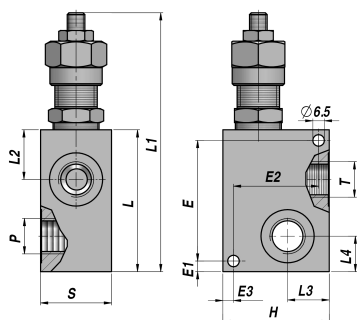
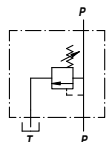
A RICHIESTA - ON REQUEST: ACCIAIO - STEEL (VMD-S - 400 bar)

MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA LIMITATRICE DI PRESSIONE  
RELIEF VALVE

VMD 80



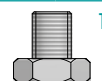
Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	L4	E	E1	E2	E3	H	S	kg
VAG002.0830B1	1/2"	1/2"	80	260	VMD A80-030-B1	80	157	28	23.5	20	68	6	48	6	60	40	0,72
VAG002.0840B1	3/4"	3/4"	80	260	VMD A80-040-B1	80	157	28	23.5	20	68	6	48	6	60	40	0,70

MOLLA - SPRING : A= 5:50 bar - B= 20:260 bar ( Standard ) - C= 120:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



A RICHIESTA - ON REQUEST: ACCIAIO - STEEL (VMD-S - 350 bar)

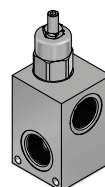
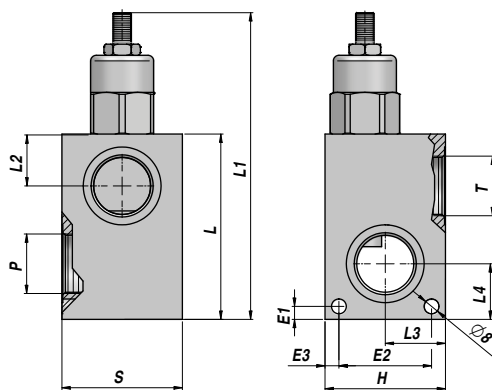
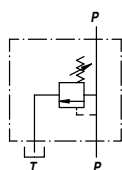
MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA LIMITATRICE DI PRESSIONE (DIFFERENZIALE)  
RELIEF VALVE (DIFFERENTIAL TYPE)

NEW!

VMD-S 150



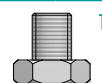
Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	L4	E1	E2	E3	H	S	kg
VSG002.1550B1	1"	1"	150	350	VMD-S150-050-B1	100	166	28	32.5	30	7	50	7.5	65	65	2,76
VSG002.1560B1	1"1/4	1"1/4	150	350	VMD-S150-060-B1	100	166	28	32.5	30	7	50	7.5	65	65	2,43

MOLLA - SPRING : B= 30:350 bar ( Standard )

1= Vite - Screw (Standard)

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup

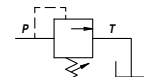
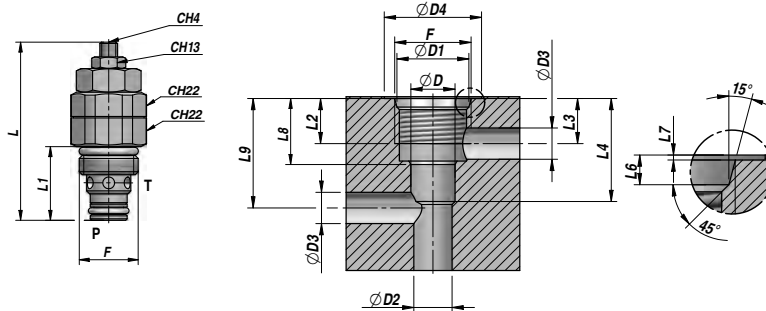


MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

**VMDC 20**

VALVOLA LIMITATRICE DI PRESSIONE A CARTUCCIA  
RELIEF VALVE - CARTRIDGE TYPE



Codice Code	F	Q MAX l/min	P MAX bar	Tipo Type	L	L1	ØD (H7)	ØD4	ØD3	L2	L8	L9	L3	L4	ØD2 max	ØD1	L6	L7	kg
VCS001.020B10	3/4-16UNF	20	400	VMDC 20-B1	73.5	27.5	12.7	28	9	15	20.6	32	13	31	11	20.7	2.7	0.5	0,12

MOLLA - SPRING: A= 5:60 bar - B= 50:240 bar ( Standard ) - C= 90:350 bar - D= 20:130 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING: 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup

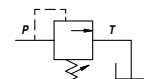
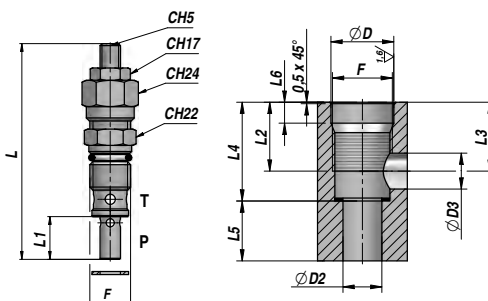


MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE

**VMDC 35**

VALVOLA LIMITATRICE DI PRESSIONE A CARTUCCIA  
RELIEF VALVE - CARTRIDGE TYPE



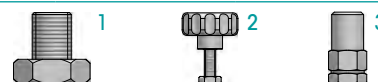
Codice Code	F	Q MAX l/min	P MAX bar	Tipo Type	L max	L1	ØD (H7)	ØD3	L2	L3 max	L4 ±0,1	L5 min	ØD2 max	L6	kg
VCM001.035B10	M20x1.5	35	400	VMDC 35-B1	100	21	21	12	23	23	33	20	13	7	0,16

MOLLA - SPRING: A= 5:50 bar - B= 40:210 bar ( Standard ) - C= 100:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING: 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup

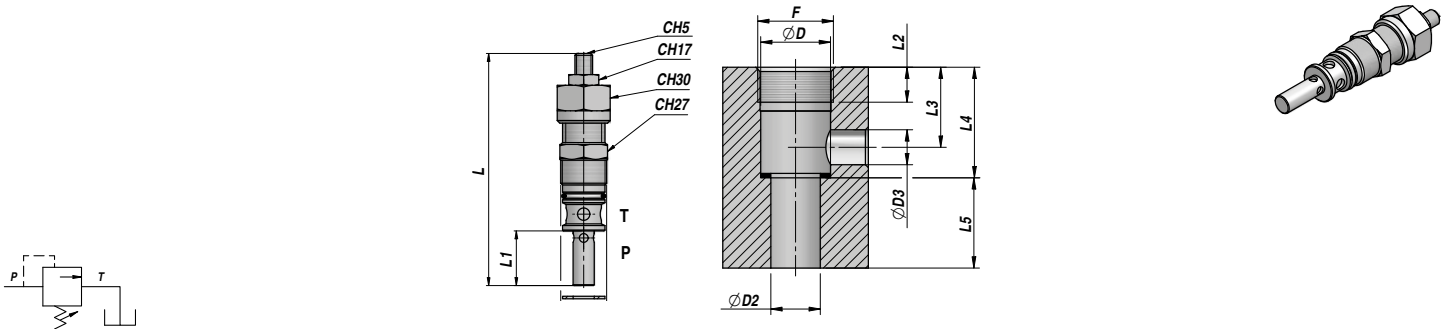


MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE

VALVOLA LIMITATRICE DI PRESSIONE A CARTUCCIA  
RELIEF VALVE - CARTRIDGE TYPE

VMDC 80



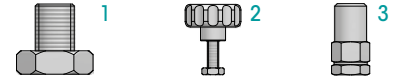
Codice Code	F	Q MAX l/min	P MAX bar	Tipo Type	L max	L1	ØD (H7)	ØD3	L2	L3	L4 ±0,1	L5 min	ØD2	kg
VCM001.080B10	M26x1.5	80	350	VMDC 80-B1	148	31.5	24	12	12	27.5	38	31	17	0,33

MOLLA - SPRING : A= 5:50 bar - B= 20:260 bar ( Standard ) - C= 120:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



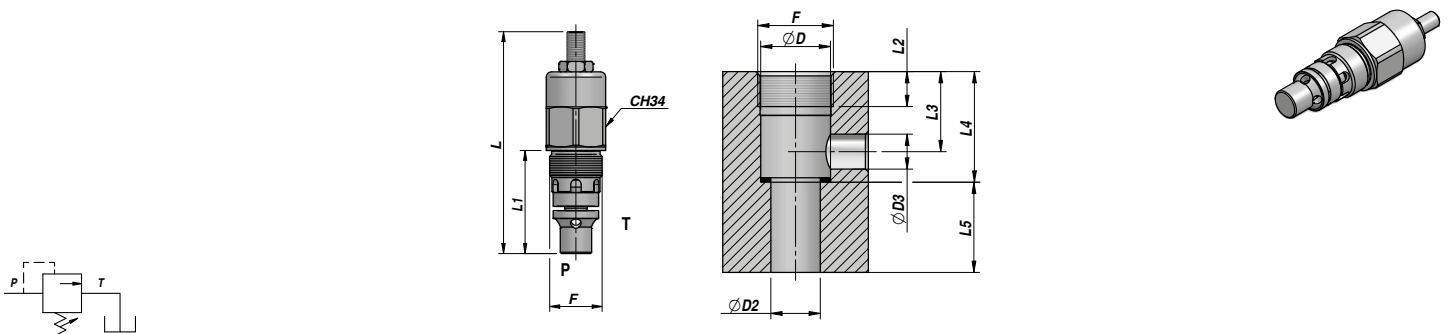
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE

VALVOLA LIMITATRICE DI PRESSIONE ( DIFFERENZIALE A CARTUCCIA SCOMPOSTA )  
RELIEF VALVE ( BUILT-IN DIFFERENTIAL CARTRIDGE )

NEW!

VMDC 150



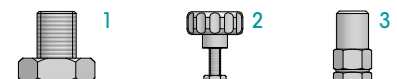
Codice Code	F	Q MAX l/min	P MAX bar	Tipo Type	L max	L1	ØD (H7)	D3	L2	L3	L4 ±0,1	L5 min	ØD2	kg
VCM001.150B10	M30x1.5	150	350	VMDC 150-B1	127	59	26	10	16	21	39	22	24	0,47

MOLLA - SPRING : B= 30:350 bar ( Standard )

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup

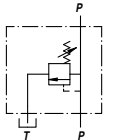
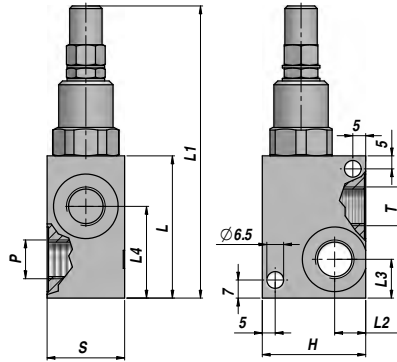
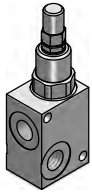


MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE

VMP/L

VALVOLA LIMITATRICE DI PRESSIONE  
RELIEF VALVE



Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	H	S	kg
V0120.0003	1/4"	1/4"	30	300	VMP-L 1/4" C	52	114	12	13	34.0	40	30	0,47
V0120.0004	3/8"	3/8"	40	300	VMP-L 3/8" C	52	117	12	15	35.5	40	30	0,47

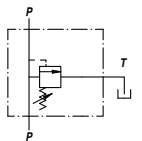
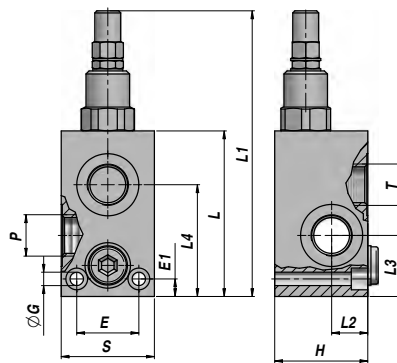
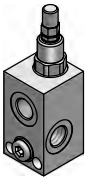
MOLLA - SPRING : A= 10:50 bar - C= 10:180 bar ( Standard ) - E= 80:300 bar

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

VMP

VALVOLA LIMITATRICE DI PRESSIONE  
RELIEF VALVE



Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V0120.0006	3/8"	3/8"	45	300	VMP 3/8" C	72	134	15.0	26.0	49.5	6.5	26	8.5	40	40	0,82
V0120.0008	1/2"	1/2"	70	300	VMP 1/2" C	77	139	17.5	29.5	54.0	6.5	30	8.5	45	45	1,06
V0120.0012	3/4"	3/4"	90	300	VMP 3/4" C	92	154	17.5	35.0	68.0	8.5	32	10.0	50	50	1,47

MOLLA - SPRING : A= 10:50 bar - B= 20:100 bar - C= 10:180 bar ( Standard ) - D= 50:250 bar - E= 80:300 bar

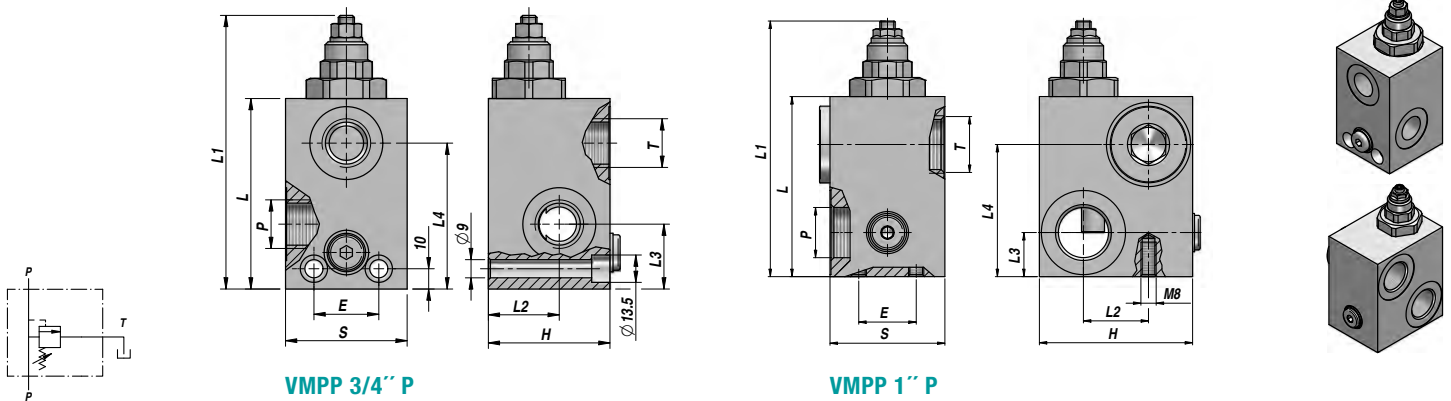
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING



VALVOLA LIMITATRICE DI PRESSIONE (DIFFERENZIALE)  
RELIEF VALVE (DIFFERENTIAL TYPE)

VMPP



Codice Code	P BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	E	H	S	kg
V0120.3512	3/4"	3/4"	120	400	VMPP 3/4" P	94	146	35	32	70	32	60	60	2,20
V0120.3516	1"	1"	160	400	VMPP 1" P	94	146	34	23	71	30	60	60	2,90

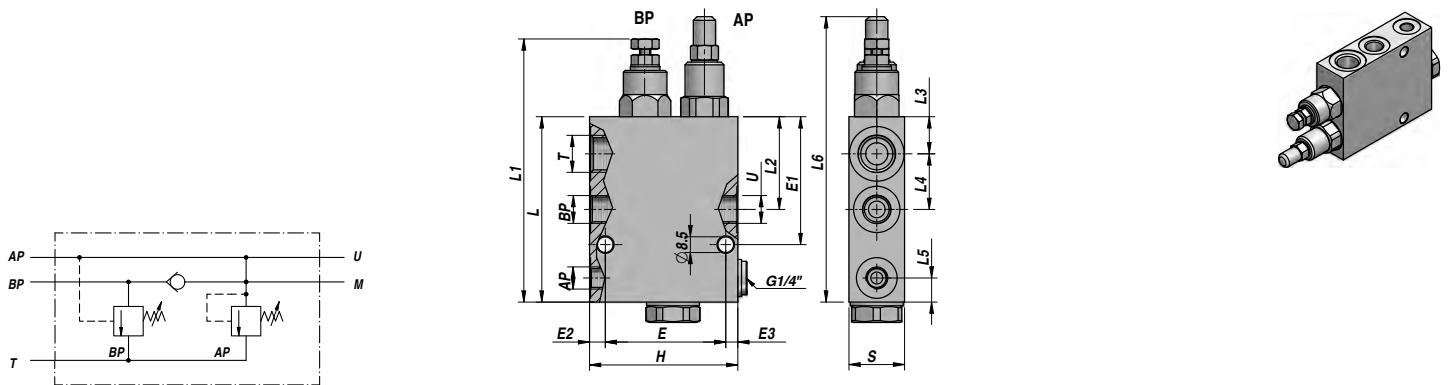
MOLLA - SPRING : N= 20:200 bar - P= 50:400 bar ( Standard )

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA DI ESCLUSIONE ALTA-BASSA PRESSIONE  
"HI-LOW" UNLOADING VALVE

VABP



Codice Code	AP BSP	BP-U BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	L5	L6	E	E1	E2	E3	H	S	kg
V1290.0512	1/4"	3/8"	1/2"	60	300	VABP 3/8"	100	142	50.0	20	30.0	13	155	65	69	8.5	6.5	80	30	1,75
V1290.0513	3/8"	1/2"	3/4"	80	350	VABP 1/2"	105	147	54.0	18	36.0	15	160	65	73	17.0	8.0	90	35	2,33
V1290.0514	1/2"	3/4"	1"	120	350	VABP 3/4"	140	187	52.5	20	42.5	20	212	65	95	27.0	8.0	100	40	3,97

MOLLA "BP" - "BP" SPRING : B= 20:80 bar ( Standard )

MOLLA "AP" - "AP" SPRING : D= 50:350 bar ( Standard )

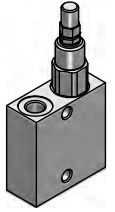
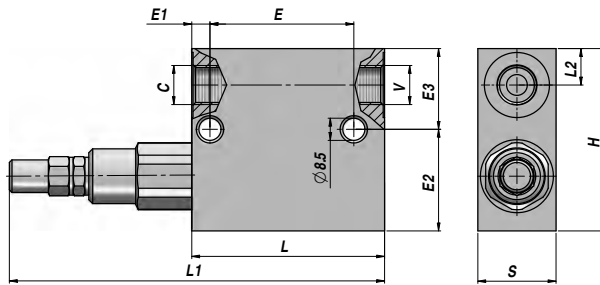
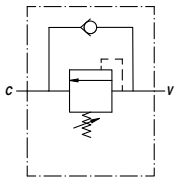
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING



VALVOLA DI SEQUENZA  
SEQUENCE VALVE

VS2C



Codice Code	C BSP	V BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	E	E1	E2	E3	H	S	kg
V1390.0640	3/8"	3/8"	35	350	VS2C 3/8" C	74	146	14	55	7	39	31	70	30	1,17
V1390.0660	1/2"	1/2"	70	350	VS2C 1/2" C	80	152	15	55	7	37	33	70	30	1,13
V1390.D665	3/4"	3/4"	110	400	VS2C 3/4" D	100	164	20	80	10	50	50	100	40	2,90

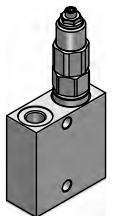
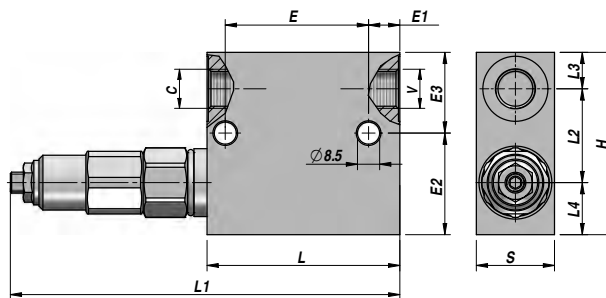
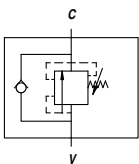
MOLLA - SPRING VS2C 3/8" - 1/2": A= 10:50 bar - B= 20:100 bar - C= 10:180 bar ( Standard ) - D= 50:250 bar - E= 80:300 bar  
 MOLLA - SPRING VS2C 3/4" : C= 20:200 bar - D= 50:400 bar ( Standard )

MATERIALE CORPO : ACCIAIO  
 BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
 LINE MOUNTING

VALVOLA DI SEQUENZA CON ANNULLAMENTO DELLA PRESSIONE PRIMARIA  
 SEQUENCE VALVE WITH ZERO SETTING ON PRIMARY PRESSURE

VSQ-APP



Codice Code	C BSP	V BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	E	E1	E2	E3	H	S	kg
V1390.0642	3/8"	3/8"	35	350	VSQAPP 3/8" C	74	149	36	14	20	55	12	39	31	70	30	1,25
V1390.0662	1/2"	1/2"	70	350	VSQAPP 1/2" C	80	155	36	15	19	55	18	37	33	70	30	1,28
V1390.0667	3/4"	3/4"	110	400	VSQAPP 3/4" Q	100	190	55	20	25	80	10	50	50	100	40	2,85

MOLLA - SPRING (3/8" - 1/2") : A= 10:50 bar - B= 20:100 bar - C= 10:180 bar ( Standard ) - D= 50:250 bar - E= 80:300 bar  
 MOLLA - SPRING (3/4") : N= 20:200 bar - Q= 50:400 bar ( Standard )

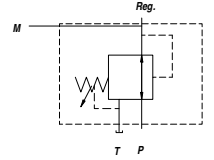
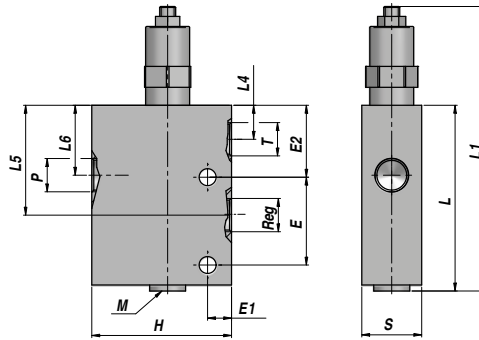
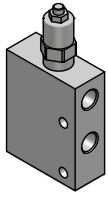
MATERIALE CORPO : ACCIAIO  
 BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
 LINE MOUNTING

**VRP**

**NEW!**

**VALVOLA RIDUTTRICE DI PRESSIONE  
PRESSURE REDUCING VALVE**



Codice Code	P-T-Reg BSP	M BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L4	L5	L6	E	E1	E2	H	S	kg
V1190.0704165	3/8"	1/4"	30	350	VRP 3/8"-B	90	168	17	55	35	44	12	36	70	30	1,53
V1190.0706165	1/2"	1/4"	30	350	VRP 1/2"-B	90	168	17	55	35	44	12	36	70	30	1,47

MOLLA - SPRING : A= 15:55 bar - B= 30:165 bar ( Standard )

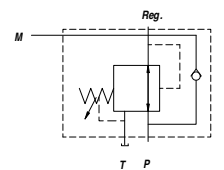
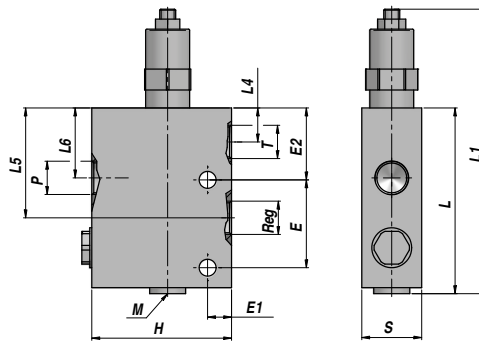
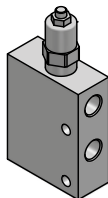
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

**VRPRL**

**NEW!**

**VALVOLA RIDUTTRICE DI PRESSIONE CON RITORNO LIBERO  
PRESSURE REDUCING VALVE WITH CHECK VALVE**



Codice Code	P-T-Reg BSP	M BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L4	L5	L6	E	E1	E2	H	S	kg
V1190.0705165	3/8"	1/4"	30	350	VRPRL 3/8"-B	90	168	17	55	35	44	12	36	70	30	1,53
V1190.0707165	1/2"	1/4"	30	350	VRPRL 1/2"-B	90	168	17	55	35	44	12	36	70	30	1,47

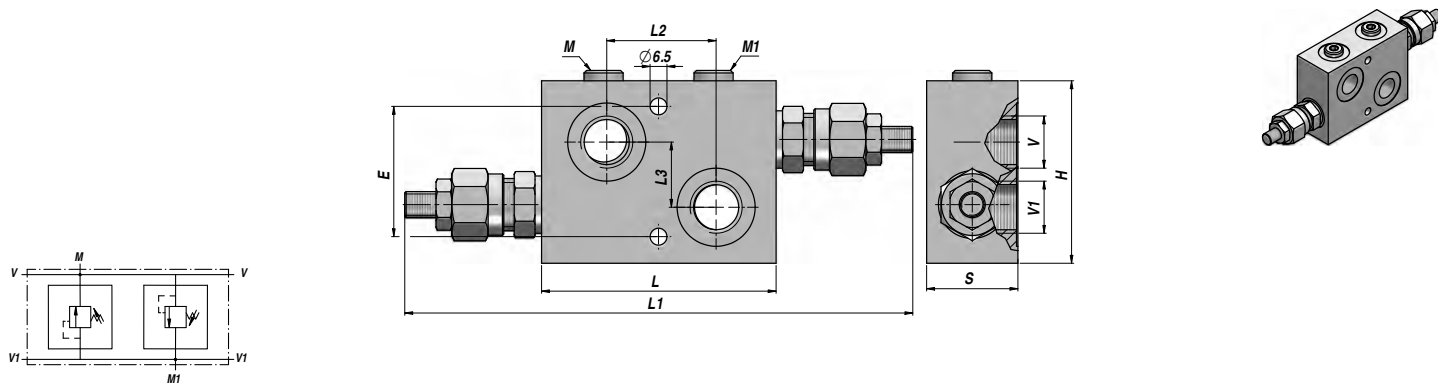
MOLLA - SPRING : A= 15:55 bar - B= 30:165 bar ( Standard )

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA ANTIURTO DOPPIA  
DUAL CROSS-OVER RELIEF VALVE

VMDI 35



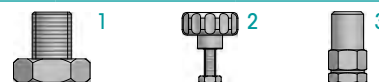
Codice Code	V BSP	V1 BSP	M-M1 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	E	H	S	kg
VAG021.0320B1	3/8"	3/8"	1/4"	35	350	VMDI A35-020-B1	90	190	42	25	50	70	35	0,79
VAG021.0330B1	1/2"	1/2"	1/4"	35	350	VMDI A35-030-B1	90	190	42	25	50	70	35	0,79

MOLLA - SPRING : A= 5:50 bar - B= 40:210 bar ( Standard ) - C= 100:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



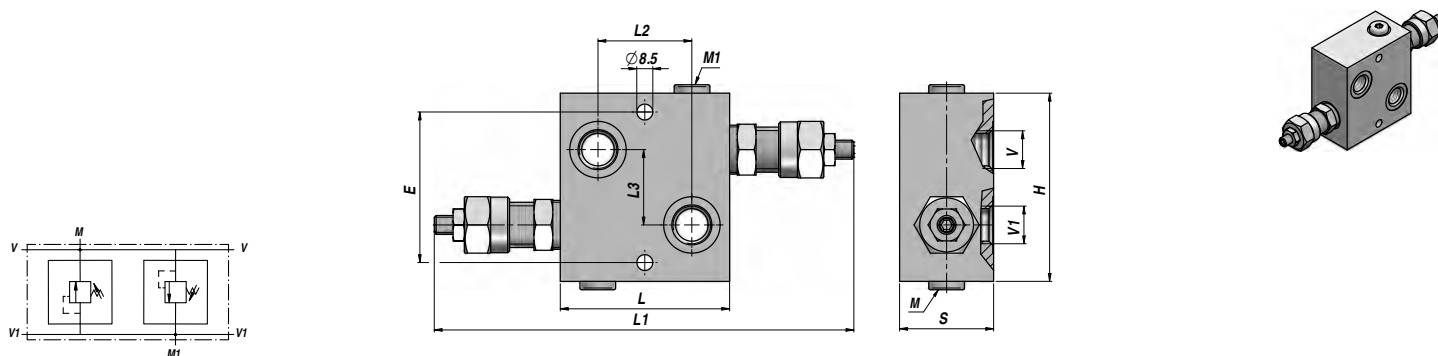
A RICHIESTA - ON REQUEST : ACCIAIO - STEEL (VMDI-S - 400 bar)

MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA ANTIURTO DOPPIA  
DUAL CROSS-OVER RELIEF VALVE

VMDI 80



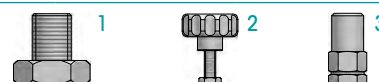
Codice Code	V BSP	V1 BSP	M-M1 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	E	H	S	kg
VAG021.0830B1	1/2"	1/2"	1/4"	80	260	VMDI A80-030-B1	90	240	50	40	80	100	50	1,65
VAG021.0840B1	3/4"	3/4"	1/4"	80	260	VMDI A80-040-B1	90	240	50	40	80	100	50	1,60

MOLLA - SPRING : A= 5:50 bar - B= 20:260 bar ( Standard ) - C= 120:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



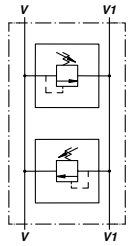
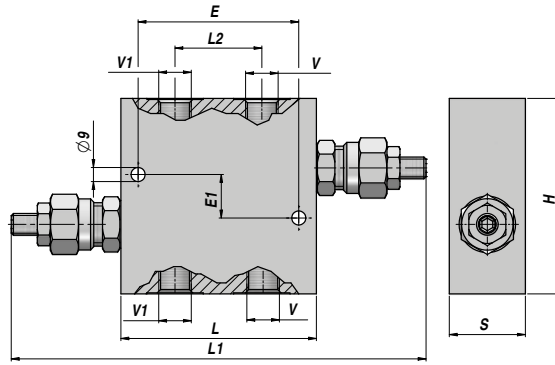
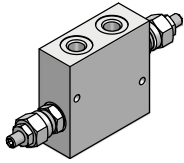
A RICHIESTA - ON REQUEST : ACCIAIO - STEEL (VMDI-S - 350 bar)

MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

**VBDC 35**

**VALVOLA ANTIURTO DOPPIA  
DUAL CROSS-OVER RELIEF VALVE**



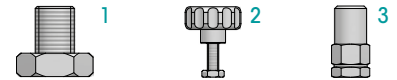
Codice Code	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	E	E1	H	S	kg
VAG022.0320B1	3/8"	3/8"	35	350	VBDC A35-020-B1	90	218	40	74	20	90	35	0,80
VAG022.0330B1	1/2"	1/2"	35	350	VBDC A35-030-B1	90	218	40	74	20	90	35	0,80

MOLLA - SPRING : A= 5:50 bar - B= 40:210 bar ( Standard ) - C= 100:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



A RICHIESTA - ON REQUEST : ACCIAIO - STEEL (VBDC-S - 400 bar)

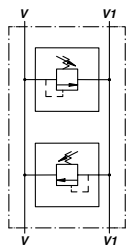
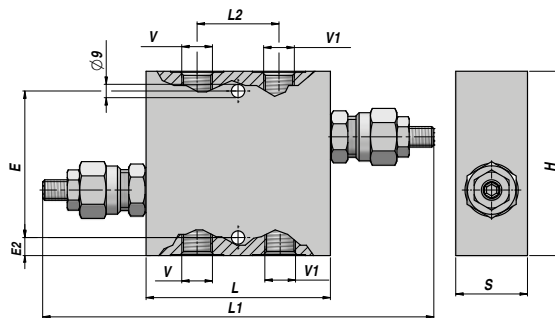
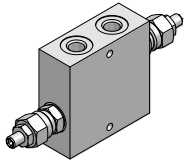
MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

**VBDC 80**

**NEW!**

**VALVOLA ANTIURTO DOPPIA  
DUAL CROSS-OVER RELIEF VALVE**



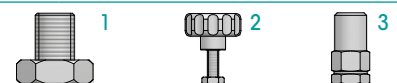
Codice Code	V BSP	V1 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	E	E1	H	S	kg
VAG022.0830B1	1/2"	1/2"	80	260	VBDC A80-030-B1	94	250	38	65	-	100	40	1,65
VAG022.0840B1	3/4"	3/4"	80	260	VBDC A80-040-B1	94	250	38	65	-	100	40	1,60

MOLLA - SPRING : A= 5:50 bar - B= 20:260 bar ( Standard ) - C= 120:350 bar

1= Vite - Screw ( Standard )

REGOLAZIONE - SETTING : 2= Volantino - Knob

3= Vite + cappello - Screw + protection cup



A RICHIESTA - ON REQUEST : ACCIAIO - STEEL (VBDC-S - 400 bar)

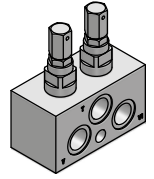
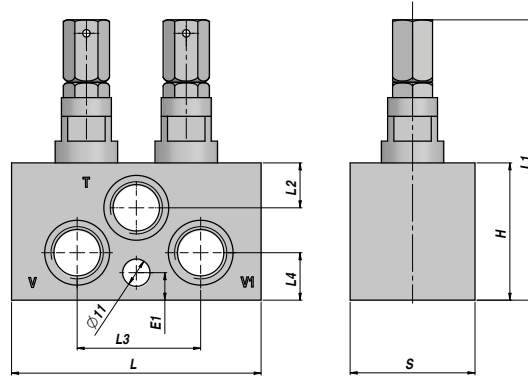
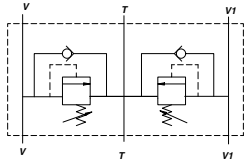
MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA ANTIURTO DOPPIA (DIFFERENZIALE) + ANTICAVITAZIONE  
 DUAL CROSS RELIEF VALVE (DIFFERENTIAL TYPE) + ANTICAVITATION

NEW!

VMDA-CSV



Codice Code	V-V1 BSP	T BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	L2	L3	L4	E1	H	S	kg
VAG020.0320D3	3/8"	3/8"	45	350	VMDC-CSV-020-D3	100	118	37	64	19	10	55	50	1,85
VAG020.0330D3	1/2"	1/2"	70	350	VMDC-CSV-030-D3	100	118	37	64	19	10	55	50	1,85

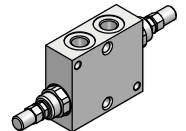
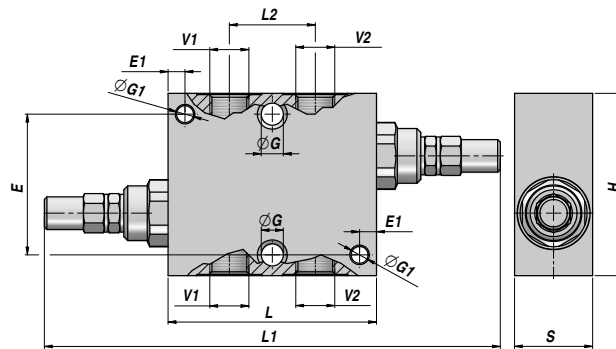
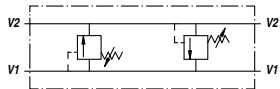
MOLLA - SPRING : C= 95:125 bar - D= 125:160 bar ( Standard )

MATERIALE CORPO : ALLUMINIO  
 BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
 LINE MOUNTING

VALVOLA ANTIURTO DOPPIA  
 DUAL CROSS-OVER RELIEF VALVE

VAU/DE



Codice Code	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	ØG	E	ØG1	E1	H	S	kg
V0590.0438	1/4"	1/4"	30	300	VAU/DE 1/4" C	60	156	26	-	54	6.5	6.5	70	30	0,99
V0590.0440	3/8"	3/8"	45	300	VAU/DE 3/8" C	80	176	33	8.5	54	-	-	70	30	1,21
V0590.0450	1/2"	1/2"	70	300	VAU/DE 1/2" C	80	200	38	8.5	54	-	-	70	30	1,15
V0590.0460	3/4"	3/4"	110	300	VAU/DE 3/4" C	95	215	44	8.5	54	-	-	80	35	1,68

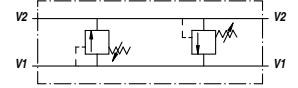
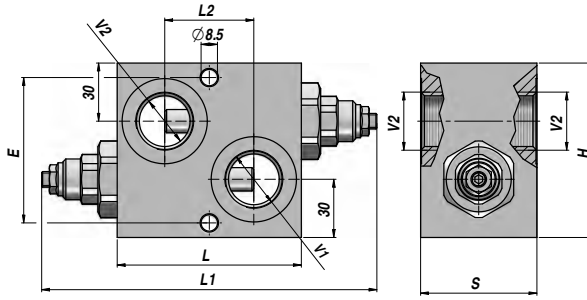
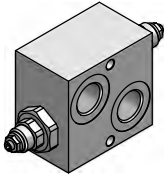
MOLLA - SPRING : A= 10:50 bar - B= 20:100 bar - C= 10:180 bar ( Standard ) - D= 50:250 bar - E= 80:300 bar

MATERIALE CORPO : ACCIAIO  
 BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
 LINE MOUNTING

**VAU/DE 1"**

**VALVOLA ANTIURTO DOPPIA (DIFFERENZIALE)  
DUAL CROSS-OVER RELIEF VALVE (DIFFERENTIAL TYPE)**



Codice Code	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	E	H	S	kg
V0590.0470	1"	1"	160	350	VAU/DE 1" Q	95	199	46	75	90	60	3,20

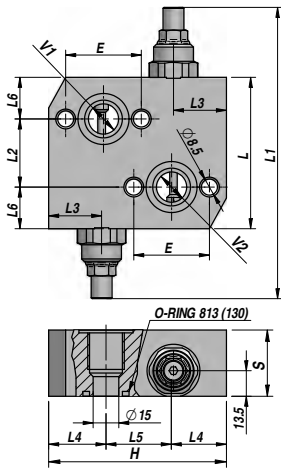
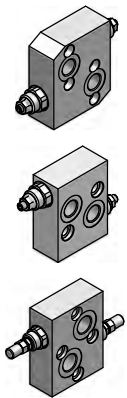
MOLLA - SPRING : N= 20:200 bar - Q= 50:400 bar ( Standard )

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

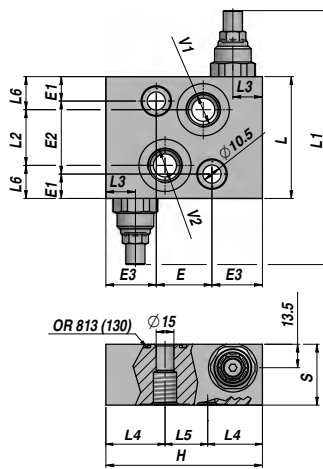
MONTAGGIO IN LINEA  
LINE MOUNTING

**VAU/DE MP-R-S-T**

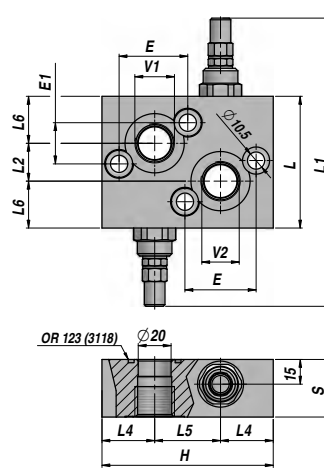
**VALVOLA ANTIURTO PER MOTORI  
CROSS LINE RELIEF VALVE FOR MOTORS**



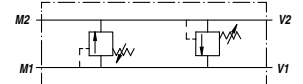
VAU OMP-OMR



VAU OMS



VAU OMT



Codice Code	V1 BSP	V2 BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	L5	L6	E	E1	E2	E3	H	S	kg
V0590.0500	1/2"	1/2"	60	300	VAU/DE 1/2"C (OMP/R)	80	164	36	28	29	36	22.0	40.0	-	-	-	94	35	1,75
V0590.0490	1/2"	1/2"	50	300	VAU/DE 1/2"C (OMS)	70	154	32	17	34	22	19.0	32.0	14	42	29	90	35	1,33
V0590.0505	3/4"	3/4"	100	300	VAU/DE 3/4"C (OMT)	80	188	23	-	32	40	28.5	43.2	25	-	-	104	35	1,92

MOLLA - SPRING : B= 20:100 bar - C= 10:180 bar ( Standard ) - D= 50:250 bar - E= 80:300 bar

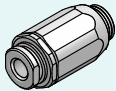
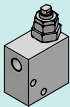
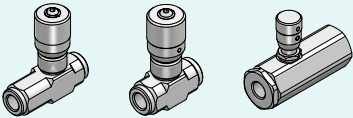
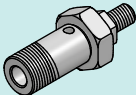
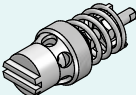

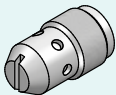

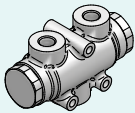
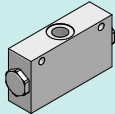
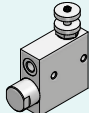
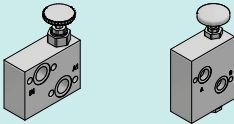
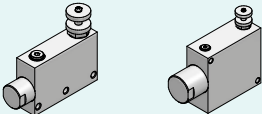
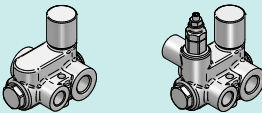
A RICHIESTA - ON REQUEST : VAU/DE/SF ... CON SBLOCCO FRENO - WITH BRAKE RELEASE PORT

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

FLANGIABILE  
FACE MOUNTING

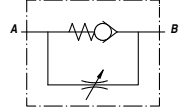
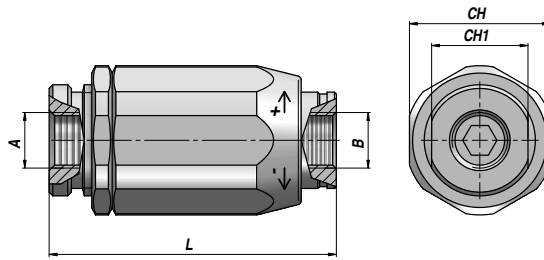


## VALVOLE CONTROLLO FLUSSO FLOW CONTROL VALVES

	Descrizione - Description	Type	Page
	VALVOLA DI STROZZAMENTO REGOLABILE ADJUSTABLE THROTTLE-CHECK VALVE	VRFC VRB	240
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	REGOLATORE DI FLUSSO FLOW CONTROL VALVE	VRFU 90 VRFB 90 VRFU 90-C	242 ÷ 243
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	VALVOLA DI RALLENTAMENTO REGOLABILE ADJUSTABLE DESCENT CONTROL VALVE	VRD	244
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	REGOLATORE DI FLUSSO PRIORITARIO PRIORITY FLOW CONTROL	RFP .. G RFPV .. G	249 ÷ 250

**VRFC**

VALVOLA DI STROZZAMENTO REGOLABILE (TENUTA A CONO)  
ADJUSTABLE THROTTLE-CHECK VALVE (POPPET TYPE)



Codice Code	A BSP	B BSP	Q MAX l/min A>B	Q MAX l/min B>A	P MAX bar	Tipo Type	L	CH	CH1	kg
VSG512.100000	1/4"	1/4"	30	30	350	VRFC 010	66.0	32	22	0,30
VSG512.200000	3/8"	3/8"	40	50	350	VRFC 020	77.5	38	26	0,48
VSG512.300000	1/2"	1/2"	50	80	350	VRFC 030	83.0	41	30	0,59
VSG512.400000	3/4"	3/4"	80	110	300	VRFC 040	104.0	55	38	1,34
VSG512.500000	1"	1"	110	160	250	VRFC 050	118.5	65	46	2,15
VSG512.600000	1"1/4	1"1/4	150	210	230	VRFC 060	135.0	80	55	3,31
VSG512.700000	1"1/2	1"1/2	210	280	230	VRFC 070	149.5	90	62	4,76

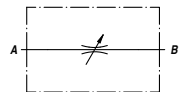
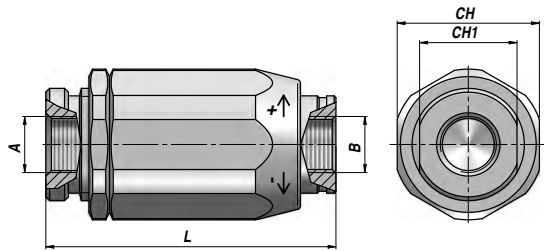
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

UNIDIREZIONALE  
UNIDIRECTIONAL

**VRB**

VALVOLA DI STROZZAMENTO REGOLABILE  
ADJUSTABLE THROTTLE VALVE



Codice Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Tipo Type	L	CH	CH1	kg
VSG515.100000	1/4"	1/4"	30	350	VRB 010	66.0	32	22	0,30
VSG515.200000	3/8"	3/8"	45	350	VRB 020	77.5	38	26	0,48
VSG515.300000	1/2"	1/2"	70	350	VRB 030	83.0	41	30	0,59
VSG515.400000	3/4"	3/4"	100	300	VRB 040	104.0	55	38	1,34
VSG515.500000	1"	1"	150	250	VRB 050	118.5	60	46	2,15

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

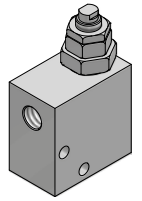
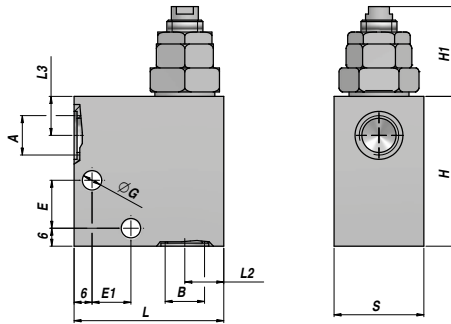
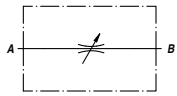
MONTAGGIO IN LINEA  
LINE MOUNTING

BIDIREZIONALE  
BIDIRECTIONAL

REGOLATORE DI FLUSSO  
FLOW CONTROL VALVE

NEW!

RFB



Codice Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L2	L3	E	E1	ØG	H	H1 max	S	kg
VSG530.100000	1/4"	1/4"	20	350	RFB 20-010-1	50	16	13	16	13	6.5	50	57	30	0,30
VSG530.200000	3/8"	3/8"	20	350	RFB 20-020-1	50	16	13	16	13	6.5	50	57	30	0,30

REGOLAZIONE - SETTING: 1= Vite - Screw ( Standard )  
2= Volantino - Knob



MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

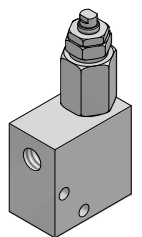
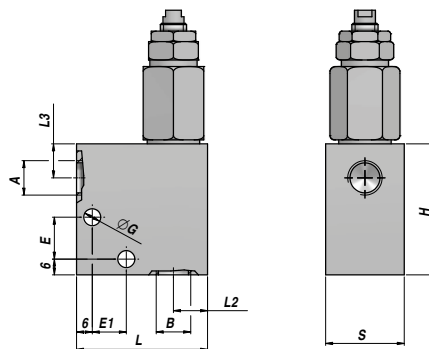
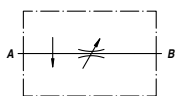
MONTAGGIO IN LINEA  
LINE MOUNTING

BIDIREZIONALE  
BIDIRECTIONAL

REGOLATORE DI FLUSSO COMPENSATO  
COMPENSATED FLOW CONTROL VALVE

NEW!

RFB/C



Codice Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L2	L3	E	E1	ØG	H	H1 max	S	kg
VSG531.100000	1/4"	1/4"	18	210	RFB/C 20-010-1	50	16	13	16	13	6.5	50	77	30	0,36
VSG531.200000	3/8"	3/8"	18	210	RFB/C 20-020-1	50	16	13	16	13	6.5	50	77	30	0,36

REGOLAZIONE - SETTING: 1= Vite - Screw ( Standard )  
2= Volantino - Knob  
3= Vite + cappello - Screw + protection cup



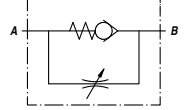
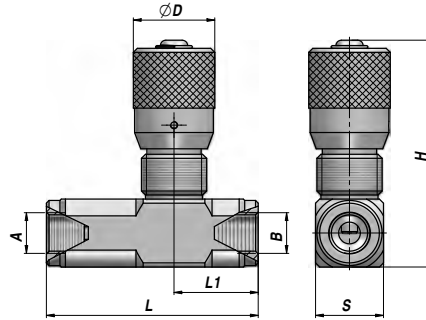
MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

BIDIREZIONALE  
BIDIRECTIONAL

**VRFU 90**

REGOLATORE DI FLUSSO (TENUTA A CONO)  
FLOW CONTROL VALVE (POPPET TYPE)



Codice Code	A BSP	B BSP	Q MAX l/min A>B	Q MAX l/min B>A	P MAX bar	Tipo Type	L	L1	ØD	F	H	S	kg
VSG521.100000	1/4"	1/4"	30	35	350	VRFU90 010	75	29.0	30	M25x1.5	82	25	0,40
VSG521.200000	3/8"	3/8"	40	50	350	VRFU90 020	78	31.0	30	M25x1.5	82	25	0,41
VSG521.300000	1/2"	1/2"	50	90	350	VRFU90 030	93	33.5	30	M25x1.5	88	30	0,58
VSG521.400000	3/4"	3/4"	80	140	320	VRFU90 040	110	41.5	42	M35x1.5	116	40	1,39
VSG521.500000	1"	1"	110	180	300	VRFU90 050	135	44.5	42	M35x1.5	116	40	1,36

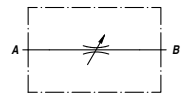
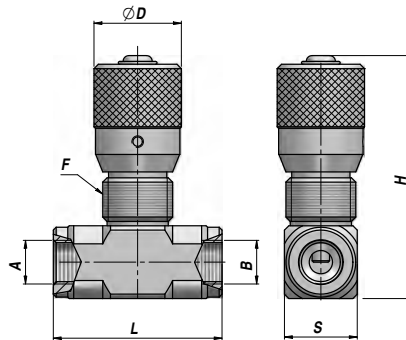
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

UNIDIREZIONALE  
UNIDIRECTIONAL

**VRFB 90**

REGOLATORE DI FLUSSO  
FLOW CONTROL VALVE



Codice Code	A BSP	B BSP	Q MAX l/min	P MAX bar	Tipo Type	L	ØD	F	H	S	kg
VSG522.100000	1/4"	1/4"	30	350	VRFB90 010	58	30	M25x1.5	82	25	0,34
VSG522.200000	3/8"	3/8"	40	350	VRFB90 020	58	30	M25x1.5	82	25	0,34
VSG522.300000	1/2"	1/2"	50	350	VRFB90 030	64	30	M25x1.5	88	30	0,43
VSG522.400000	3/4"	3/4"	80	320	VRFB90 040	89	42	M35x1.5	116	40	1,13
VSG522.500000	1"	1"	110	300	VRFB90 050	89	42	M35x1.5	116	40	1,00

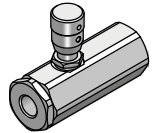
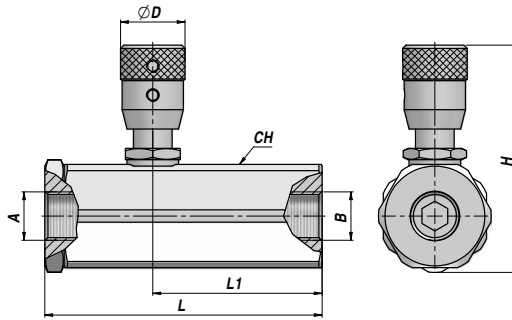
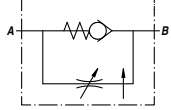
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

BIDIREZIONALE  
BIDIRECTIONAL

REGOLATORE DI FLUSSO COMPENSATO (TENUTA A CONO)  
COMPENSATED FLOW CONTROL VALVE (POPPET TYPE)

VRFU 90-C



Codice Code	A BSP	B BSP	Q MAX l/min A>B	Q MAX l/min B>A	P MAX bar	Tipo Type	L	L1	ØD	CH	H	kg
VSG523.1C0000	1/4"	1/4"	17	25	300	VRFU90-C 010	87	52.5	20	32	68	0,52
VSG523.2C0000	3/8"	3/8"	17	30	300	VRFU90-C 020	87	52.5	20	32	68	0,50
VSG523.3C0000	1/2"	1/2"	28	35	250	VRFU90-C 030	107	61.0	20	36	71	0,69

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

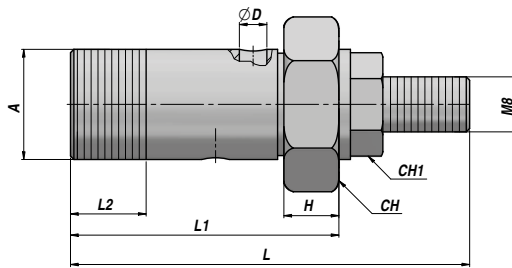
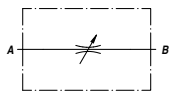
MONTAGGIO IN LINEA  
LINE MOUNTING

UNIDIREZIONALE  
UNIDIRECTIONAL

VITE STROZZATRICE  
THROTTLE SCREW

NEW!

VS



Codice Code	A BSP	Q MAX l/min	P MAX bar	Tipo Type	L max	L1	L2	H	ØD	CH	CH1	kg x 100
V2890.1351	1/4"	-	350	VS 1/4"	36	53	15	7	2.5	19	13	5,00
V2890.1361	3/8"	-	350	VS 3/8"	39	58	15	8	3.0	22	13	8,00
V2890.1371	1/2"	-	350	VS 1/2"	46	62	16	8	4.0	27	13	14,00

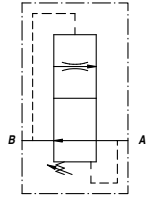
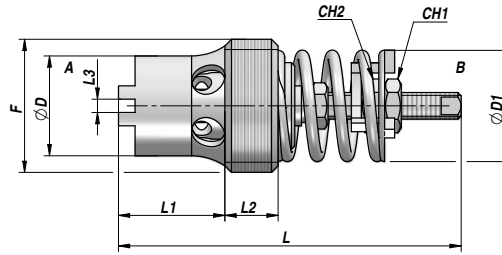
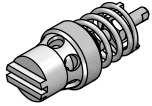
REGOLAZIONE - SETTING : Vite - Screw

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

**VRD**

VALVOLA DI RALLENTAMENTO REGOLABILE  
ADJUSTABLE DESCENT CONTROL VALVE



Codice Code	F BSP	Q MAX l/min B>A	Q MAX l/min A>B	P MAX bar	Tipo Type	L	L1	L2	L3	ØD	ØD1	CH1	CH2	kg x 100
VCG501.100*00	1/4"	10	25	300	VRD 010-*	39	11.5	8.0	-	10.0	10.0	5.5	5.5	1,20
VCG501.200*00	3/8"	25	50	300	VRD 020-*	45	16.0	6.0	2	11.5	13.5	6.0	7.0	2,20
VCG501.300*00	1/2"	67	90	300	VRD 030-*	50	17.0	7.0	2	16.0	18.0	6.0	7.0	3,60
VCG501.400*00	3/4"	150	220	300	VRD 040-*	60	21.5	9.5	2	20.0	23.0	6.0	7.0	6,90

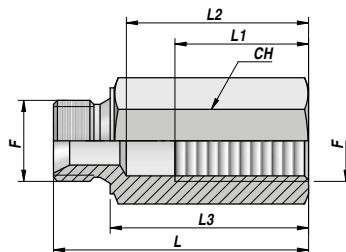
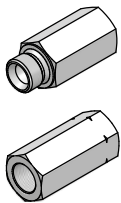
\* = Campo di Portata - Flow Range (l/min - 50 bar) :  
 \* VRD 010: 1=(1.0-1.6) - 2=(1.6-2.5) - 3=(2.5-4.0) - 4=(4.0-6.3) - 5=(6.3-10)  
 \* VRD 020: 1=(2.5-4.0) - 2=(4.0-6.3) - 3=(6.3-10) - 4=(10-16) - 5=(16-25)  
 \* VRD 030: 1=(16-21) - 2=(21-28) - 3=(28-37) - 4=(37-50) - 5=(50-67)  
 \* VRD 040: 1=(37-50) - 2=(50-67) - 3=(67-90) - 4=(90-120) - 5=(120-150)

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

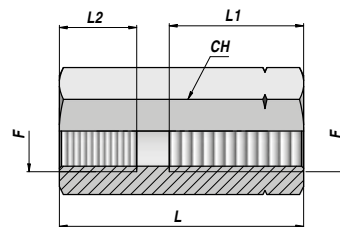
CARTUCCIA  
CARTRIDGE

**CMF x VRD** **CFF x VRD**

COLLETORE PER VALVOLA "VRD"  
"VRD" VALVE ADAPTER



TYPE CMF



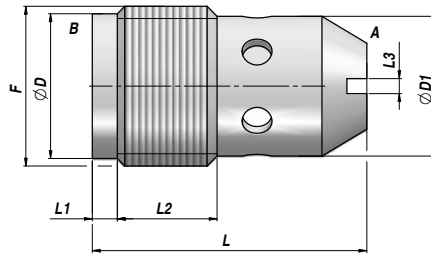
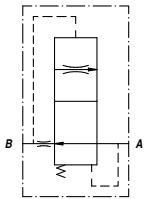
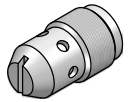
TYPE CFF

Codice Code	F BSP	P MAX bar	Tipo Type	L	L1	L2	L3	CH	kg x 100
<b>MASCHIO-FEMMINA MALE-FEMALE</b>									
VCG502.100000 <b>NEW!</b>	1/4"	350	CMFxVRD-010	76	41	61	66	19	9,00
VCG502.200000	3/8"	350	CMFxVRD-020	82	41	63	70	22	11,00
VCG502.300000	1/2"	350	CMFxVRD-030	100	45	79	86	27	16,50
VCG502.400000	3/4"	300	CMFxVRD-040	112	55	86	96	32	25,00
<b>FEMMINA-FEMMINA FEMALE-FEMALE</b>									
VCG503.100000 <b>NEW!</b>	1/4"	350	CFFxVRD-010	66	34	12	-	19	8,00
VCG503.200000	3/8"	350	CFFxVRD-020	70	37	14	-	22	11,00
VCG503.300000	1/2"	350	CFFxVRD-030	80	41	16	-	27	16,50
VCG503.400000	3/4"	300	CFFxVRD-040	100	54	19	-	32	25,00

MATERIALE : ACCIAIO  
MATERIAL : STEEL

VALVOLA DI RALLENTAMENTO  
DESCENT CONTROL VALVE

VSC



Codice Code	F BSP	Q MAX l/min B>A	Q MAX l/min A>B	P MAX bar	Tipo Type	L	L1	L2	L3	ØD	ØD1	kg x 100
VCG505.10*000	1/4"	10	15	350	VSC 010-*	23	1.5	7.0	1.5	-	10.5	1,00
VCG505.20*000	3/8"	16	25	350	VSC 020-*	28	2.5	10.5	1.5	14.5	14.0	2,60
VCG505.30*000	1/2"	45	60	350	VSC 030-*	36	5.0	12.0	2.0	18.0	17.0	5,00

\* = Portata Nominale - Nominal Flow (l/min - 50 bar) :

\* VSC010: A=1 - B=2 - C=3 - D=4 - E=5 - F=6 - G=7 - H=8 - I=9 - L=10

\* VSC020: A=2 - B=4 - C=6 - D=8 - E=10 - F=12 - G=14 - H=16

\* VSC030: A=12 - B=16 - C=20 - D=25 - E=30 - F=35 - G=40 - H=45

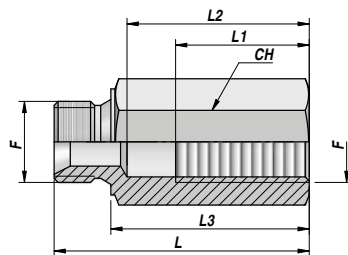
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

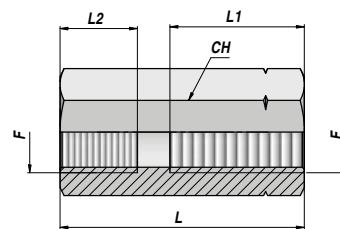
COLLETTORE PER VALVOLA "VSC"  
"VSC" VALVE ADAPTER

CMF x VSC

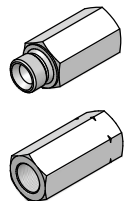
CFF x VSC



TYPE CMF



TYPE CFF



Codice Code	F BSP	P MAX bar	Tipo Type	L	L1	L2	L3	CH	kg x 100
MASCHIO-FEMMINA MALE-FEMALE									
VCG506.100000	1/4"	350	CMFxVSC-010	62	42	45	50	19	7,00
VCG506.200000	3/8"	350	CMFxVSC-020	82	41	63	70	22	9,50
VCG506.300000 <b>NEW!</b>	1/2"	350	CMFxVSC-030	100	45	79	86	27	14,70

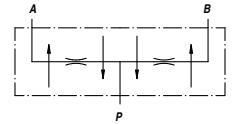
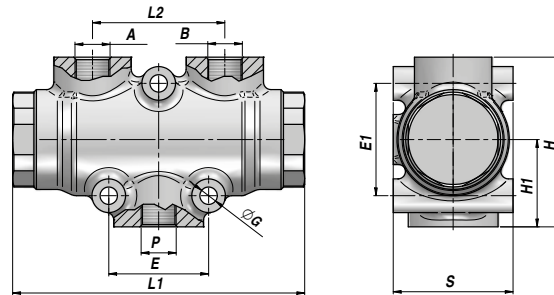
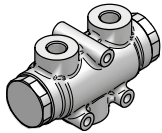
FEMMINA-FEMMINA FEMALE-FEMALE									
Codice Code	F BSP	P MAX bar	Tipo Type	L	L1	L2	L3	CH	kg x 100
VCG392.100000	1/4"	350	CFFxVUBA-010 *	50	20	12	-	19	7,00
VCG507.200000	3/8"	350	CFFxVSC-020	70	37	14	-	22	11,00
VCG507.300000 <b>NEW!</b>	1/2"	350	CFFxVSC-030	80	50	16	-	27	16,50

\* = Montaggio valvola invertito - Insert the valve in the inverse direction

MATERIALE : ACCIAIO  
MATERIAL : STEEL

**VEQ**

**DIVISORE DI FLUSSO  
FLOW DIVIDER**



Code Code	P BSP	A - B BSP	Q MIN/MAX l/min	P MAX bar	Tipo Type	L1	L2	E	E1	ØG	H1	H	S	kg
V3615.0311	3/8"	3/8"	1/ 3	250	VEQ 8	117	53	40	45	7	35	68	48	1,27
V3615.0312	3/8"	3/8"	3/ 6	250	VEQ 10	117	53	40	45	7	35	68	48	1,27
V3615.0313	3/8"	3/8"	6/10	250	VEQ 15	117	53	40	45	7	35	68	48	1,28
V3615.0314	3/8"	3/8"	10/20	250	VEQ 20	117	53	40	45	7	35	68	48	1,27
V3615.0315	3/8"	3/8"	20/32	250	VEQ 22	117	53	40	45	7	35	68	48	1,28
V3615.0316	1/2"	3/8"	25/40	250	VEQ 25	117	53	40	45	7	35	68	48	1,28
V3615.0317	1/2"	3/8"	40/60	250	VEQ 30	117	53	40	45	7	35	68	48	1,26
V3615.0318	1/2"	3/8"	60/80	250	VEQ 50	117	53	40	45	7	35	68	48	1,26

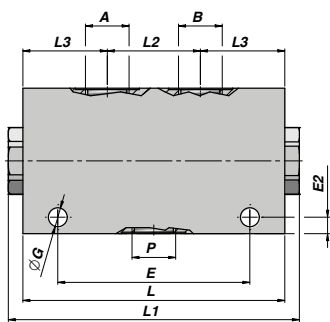
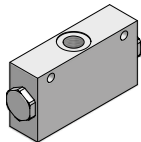
MATERIALE CORPO : GHISA  
BODY MATERIAL : CAST IRON

MONTAGGIO IN LINEA  
LINE MOUNTING

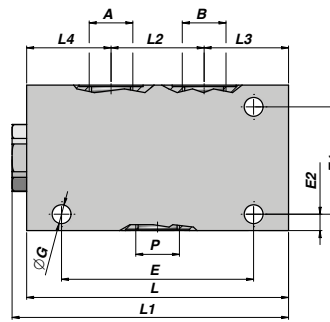
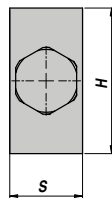
**VDF**

**NEW!**

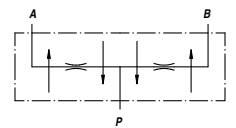
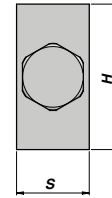
**DIVISORE DI FLUSSO  
FLOW DIVIDER**



**VDF 38 - VDF 12**



**VDF 34**



Code Code	P BSP	A - B BSP	Q MIN/MAX l/min	P MAX bar	Tipo Type	L	L1	L2	L3	L4	E	E1	E2	ØG	H	S	kg
VAG501.20*000	3/8"	3/8"	6.5 / 38	210	VDF 38-*	121	135.0	53	34	-	100	-	7	6.5	60	40	0,87
VAG501.25*000	1/2"	3/8"	6.5 / 38	210	VDF 12-*	121	135.0	53	34	-	100	-	7	6.5	60	40	0,85
VAG501.35*000	3/4"	1/2"	15 / 90	210	VDF 34-*	120	129.5	48	42	30	102	60	10	6.5	80	40	0,92

\* = Campo di Portata - *Flow Range* (l/min - 50 bar) :

\* VDF 38-A = 6.5 - 12 - VDF 38-B = 13 - 23 - VDF 38-C = 24 - 38

\* VDF 12-A = 6.5 - 12 - VDF 12-B = 13 - 23 - VDF 12-C = 24 - 38

\* VDF 34-A = 15 - 55 - VDF 34-B = 56 - 90

MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

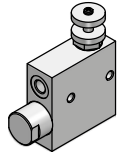
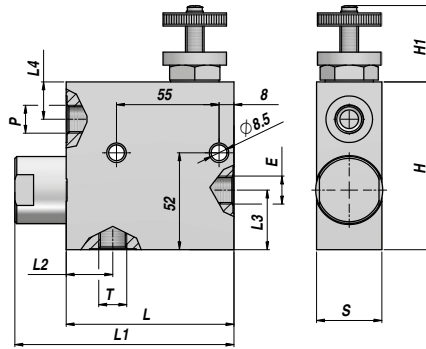
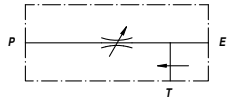
MONTAGGIO IN LINEA  
LINE MOUNTING



REGOLATORE DI FLUSSO PRIORITARIO  
PRIORITY FLOW CONTROL

RFP 3

COMPENSATO BARICAMENTE  
PRESSURE COMPENSATED



REGOLABILE - ADJUSTABLE  
ECCEDENZA A SCARICO - EXCEEDING FLOW TO TANK

Codice Code	E - P - T BSP	Q MAX l/min In (E)/Reg (P)	P MAX bar	Tipo Type	L	L1	L2	L3	L4	H1	H	S	kg
V3390.1110	3/8"	60/ 50	350	RFP 3 3/8"	90	118	25	32	20	40	90	35	2,17
V3390.1120	1/2"	80/ 60	350	RFP 3 1/2"	90	118	25	32	20	40	90	35	2,10
V3390.1130	3/4"	120/100	350	RFP 3 3/4"	90	122	27	36	19	40	102	50	3,35

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

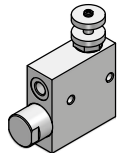
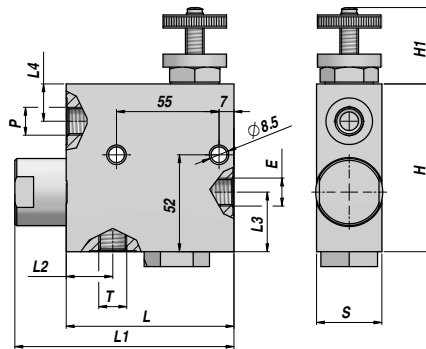
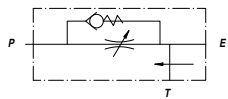
MONTAGGIO IN LINEA  
LINE MOUNTING

REGOLATORE DI FLUSSO PRIORITARIO CON VALVOLA UNIDIREZIONALE  
PRIORITY FLOW CONTROL WITH CHECK VALVE

NEW!

RFP 3VU

COMPENSATO BARICAMENTE  
PRESSURE COMPENSATED



REGOLABILE - ADJUSTABLE  
ECCEDENZA A SCARICO - EXCEEDING FLOW TO TANK

Codice Code	E - P - T BSP	Q MAX l/min In (E)/Reg (P)	P MAX bar	Tipo Type	L	L1	L2	L3	L4	H1	H	S	kg
V3390.1110VU	3/8"	60 / 50	350	RFP-VU 3 3/8"	90	118	25	32	20	35	90	40	2,20
V3390.1120VU	1/2"	80 / 60	350	RFP-VU 3 1/2"	90	118	25	32	20	35	90	40	2,10

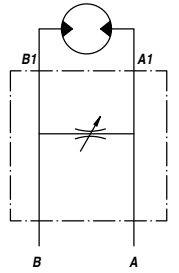
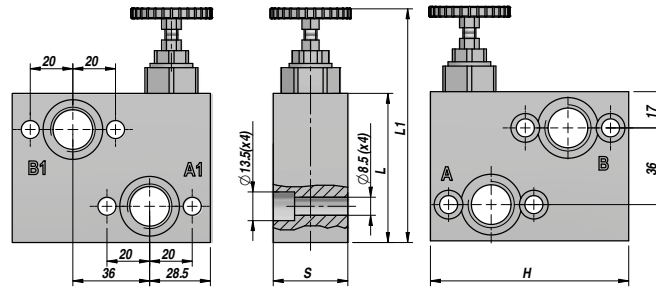
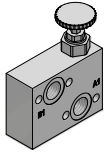
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

**BVR01**

**NEW!**

REGOLATORE DI FLUSSO PER MOTORI "MPP-MPR-MCP-MCR"  
FLOW CONTROL FOR "MPP-MPR-MCP-MCR" MOTORS



REGOLABILE - *ADJUSTABLE*  
BIDIREZIONALE - *BIDIRECTIONAL*

Codice Code	A - B BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	H	S	kg
VBVR012010	1/2"	50	210	BVR 12.01	70	117	93	35	0,63

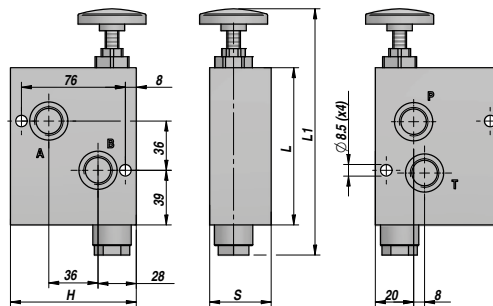
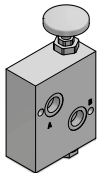
MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

FLANGIABILE  
FACE MOUNTING

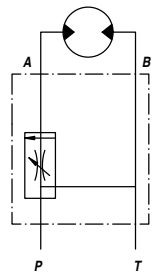
**BVR05**

**NEW!**

REGOLATORE DI FLUSSO PRIORITARIO PER MOTORI "MPP-MPR-MCP-MCR"  
PRIORITY FLOW CONTROL FOR "MPP-MPR-MCP-MCR" MOTORS



COMPENSATO BARICAMENTE  
PRESSURE COMPENSATED



REGOLABILE - *ADJUSTABLE*  
ECCEDENZA A SCARICO - *EXCEEDING FLOW TO TANK*

Codice Code	A - B BSP	Q MAX l/min	P MAX bar	Tipo Type	L	L1 max	H	S	kg
VBVR012050	1/2"	60	250	BVR 12.05	115	185	92	45	3,25

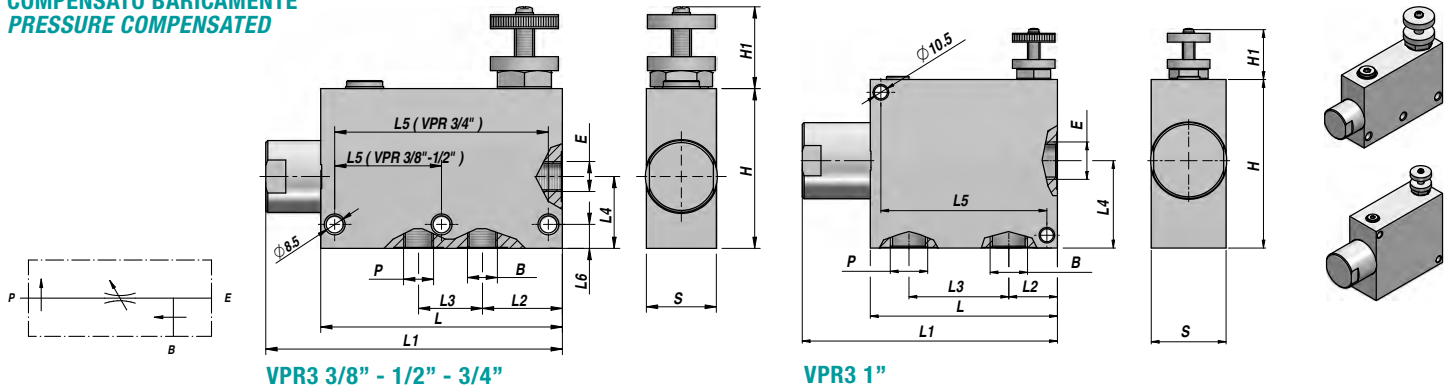
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

FLANGIABILE  
FACE MOUNTING

REGOLATORE DI FLUSSO PRIORITARIO  
PRIORITY FLOW CONTROL

VPR 3

COMPENSATO BARICAMENTE  
PRESSURE COMPENSATED



REGOLABILE - ADJUSTABLE  
ECCEDENZA IN PRESSIONE - EXCEEDING FLOW TO PRESSURE

Codice Code	E - P - B BSP	Q MAX l/min In (E)/Reg (P)	P MAX bar	Tipo Type	L	L1	L2	L3	L4	L5	L6	H1	H	S	kg
V3490.1060	3/8"	60/ 50	350	VPR 3 3/8"	121	147	40	32	36	55	12	35	80	35	2,53
V3490.1070	1/2"	80/ 60	350	VPR 3 1/2"	121	147	37	36	36	55	12	35	80	35	2,47
V3490.1080	3/4"	120/100	350	VPR 3 3/4"	155	187	50	44	37	115	10	35	90	50	4,95
V3490.1090	1"	200/170	350	VPR 3 1"	155	187	46	58	47	115	12	35	100	50	5,27

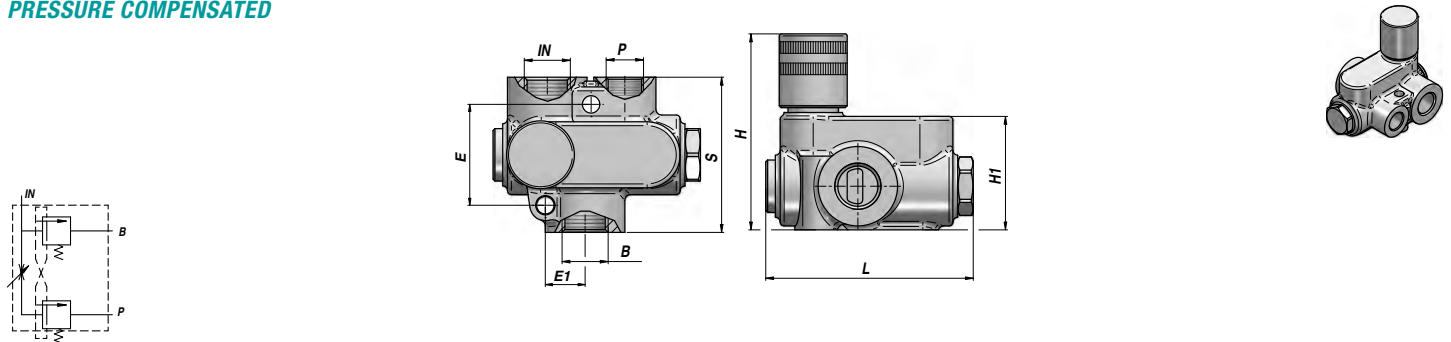
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

REGOLATORE DI FLUSSO PRIORITARIO  
PRIORITY FLOW CONTROL

RFP .. G

COMPENSATO BARICAMENTE  
PRESSURE COMPENSATED



REGOLABILE - ADJUSTABLE  
ECCEDENZA IN PRESSIONE - EXCEEDING FLOW TO PRESSURE

Codice Code	IN - B BSP	P BSP	Q MAX l/min IN	Q MAX l/min P	P MAX bar	Tipo Type	L	E	E1	H1	H	S	kg
V6215.0320	1/2"	3/8"	40	40	250	RFP 40 G	92	46	22.5	54	98	65	1,27
V6215.0322	3/4"	1/2"	80	80	250	RFP 70 G	110	52	24.5	59	103	80	1,77

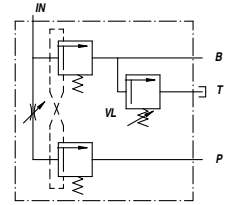
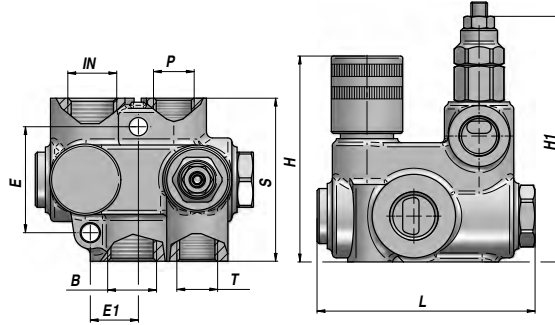
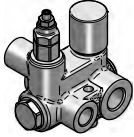
MATERIALE CORPO : GHISA  
BODY MATERIAL : CAST IRON

MONTAGGIO IN LINEA  
LINE MOUNTING

**RFPV .. G**

REGOLATORE DI FLUSSO PRIORITARIO  
*PRIORITY FLOW CONTROL*

COMPENSATO BARICAMENTE  
*PRESSURE COMPENSATED*



REGOLABILE - *ADJUSTABLE*  
ECCEDENZA IN PRESSIONE - *EXCEEDING FLOW TO PRESSURE*

Codice <i>Code</i>	IN - B BSP	P - T BSP	Q MAX l/min IN	Q MAX l/min P	P MAX bar	Tipo <i>Type</i>	L	E	E1	H1	H	S	kg
V6215.0321 **	1/2"	3/8"	40	40	250	RFPV 40 GU	92	46	22.5	105	98	65	1,54
V6215.0323	3/4"	1/2"	80	80	250	RFPV 70 GU	110	52	24.5	125	103	80	2,04

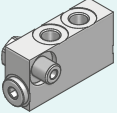
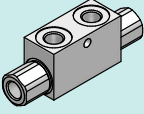
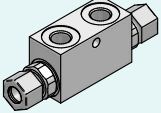
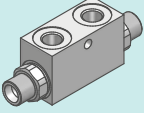
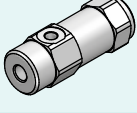
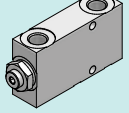
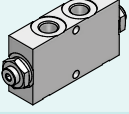
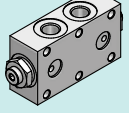
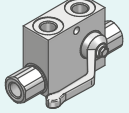
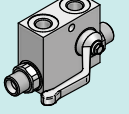
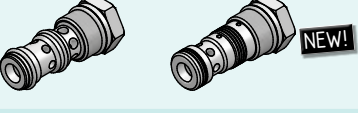
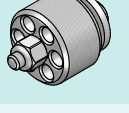
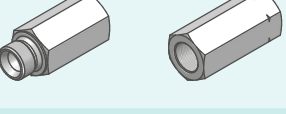
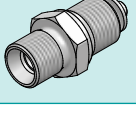
MOLLA - *SPRING* : X= 10:100 bar - U= 50:230 bar ( Standard ) - K= 100:250 bar

\*\* = A RICHIESTA - *ON REQUEST*

MATERIALE CORPO : GHISA  
*BODY MATERIAL : CAST IRON*

MONTAGGIO IN LINEA  
*LINE MOUNTING*

## VALVOLE DI BLOCCO PILOTATE PILOT OPERATED CHECK VALVES

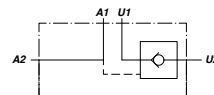
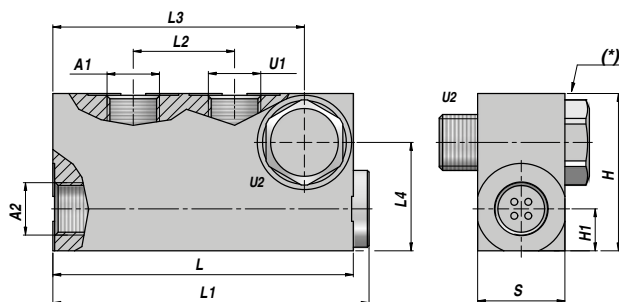
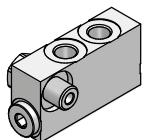
	Descrizione - Description	Type	Page
	VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VRSE...CIL VRDE...CIL	252
	VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VRSE-F...FF VRDE-F...FF	253
	<b>NEW!</b> VALVOLA DI BLOCCO PILOTATA DIN 2353 - (TENUTA A CONO) PILOT OPERATED CHECK VALVE DIN 2353 - (POPPET TYPE)	VRSE-A...FF VRDE-A...FF	254
	VALVOLA DI BLOCCO PILOTATA DIN 2353 - (TENUTA A CONO) PILOT OPERATED CHECK VALVE DIN 2353 - (POPPET TYPE)	VRSE-AZ...FF VRDE-AZ...FF	255
	VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VBPS	256
	<b>NEW!</b> VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VPSE	256
	VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VPDE	257
	VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VPDE/F	257
	VALVOLA DI BLOCCO PILOTATA + BY PASS (TENUTA A CONO) PILOT OPERATED CHECK VALVE + BY PASS (POPPET TYPE)	VPRSE	258
	VALVOLA DI BLOCCO PILOTATA DIN 2353 + BY PASS (TENUTA A CONO) PILOT OPERATED CHECK VALVE DIN 2353 + BY PASS (POPPET TYPE)	VPRSE-DIN	258
	<b>NEW!</b> VALVOLA DI BLOCCO PILOTATA - (TENUTA A CONO) PILOT OPERATED CHECK VALVE - (POPPET TYPE)	VRPC VCP	259
	VALVOLA PARACADUTE HOSE BURST VALVE	VUBA	260
	COLLETTORE PER VALVOLA "VUBA" "VUBA" VALVE ADAPTER	CMF x VUBA CFF x VUBA	260
	<b>NEW!</b> VALVOLA PARACADUTE DIN 2353 HOSE BURST VALVE DIN 2353	VUBA DIN	261

**VRSE...CIL**

**NEW!**

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Codice Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	L4	H1	H	S	kg
VSG325.B10450	1/4"	1/4"	20	300	1:4.9	VRSE 010 CIL	84	88.5	24	68.5	27	10	40	20	0,45
VSG325.B20490	3/8"	3/8"	20	300	1:4.9	VRSE 020 CIL	86	90.5	26	72.0	31	12	45	25	0,65

Pressione di apertura - Opening pressure : 1 bar

(\*) = Coppia di serraggio - Tightening torque

VRSE 010 CIL 1/4" = 40 Nm - VRSE 010 CIL 3/8" = 55 Nm

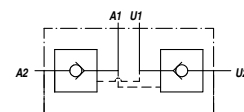
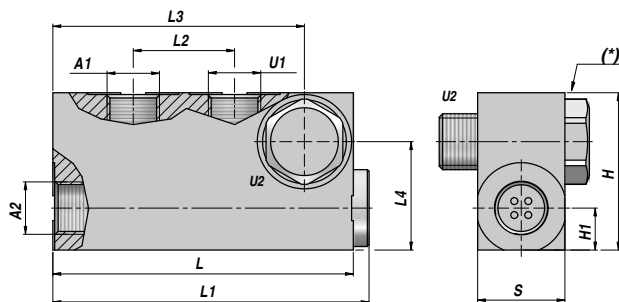
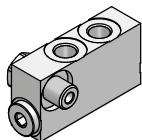
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

**VRDE...CIL**

DOPPIO EFFETTO  
DOUBLE ACTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Codice Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	L4	H1	H	S	kg
VSG326.B10450	1/4"	1/4"	20	300	1:4.9	VRDE 010 CIL	84	88.5	24	68.5	27	10	40	20	0,45
VSG326.B20490	3/8"	3/8"	20	300	1:4.9	VRDE 020 CIL	86	90.5	26	72.0	31	12	45	25	0,65

Pressione di apertura - Opening pressure : 1 bar

(\*) = Coppia di serraggio - Tightening torque

VRDE 010 CIL 1/4" = 40 Nm - VRDE 010 CIL 3/8" = 55 Nm

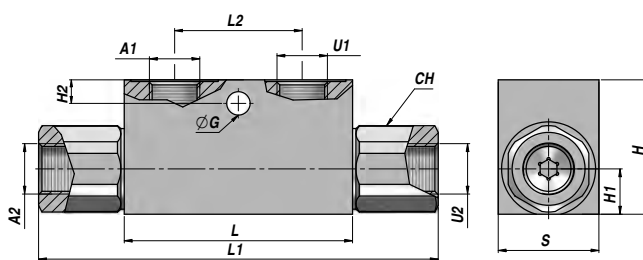
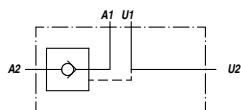
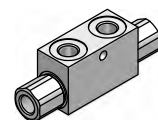
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)

SEMPLICE EFFETTO  
SINGLE ACTING

VRSE-F ...FF



Code Codice	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H1	H2	ØG	CH	H	S	kg
VSG311.F00404	1/8"	1/8"	20	350	1:4.5	VRSE-F 005 FF	53	86	20	11	-	-	17	30	20	0,40
VSG311.F10454	1/4"	1/4"	30	350	1:4.5	VRSE-F 010 FF	68	118	38	13	7	7.0	24	40	30	0,68
VSG311.F15454	3/8"	3/8"	30	350	1:4.5	VRSE-F 015 FF	68	118	38	13	7	7.0	24	40	30	0,63
VSG311.F20404	3/8"	3/8"	50	300	1:4	VRSE-F 020 FF	80	144	40	16	15	8.5	27	50	30	0,97
VSG311.F25404	1/2"	1/2"	50	300	1:4	VRSE-F 025 FF	80	144	40	16	15	8.5	27	50	30	0,90
VSG311.F30404	1/2"	1/2"	80	300	1:4	VRSE-F 030 FF	90	171	40	20	15	8.5	30	60	40	1,69
VSG311.F40404	3/4"	3/4"	120	300	1:4	VRSE-F 040 FF	107	196	60	23	16	8.5	41	70	50	3,06

Pressione di apertura - Opening pressure : bar 0.5 - 4 (standard) - 8

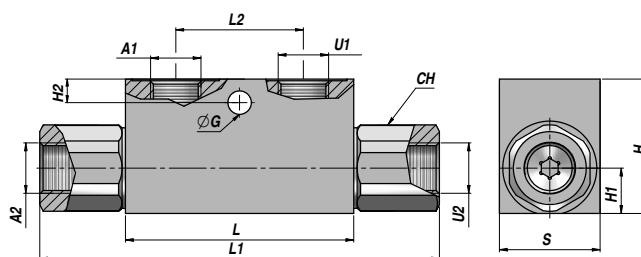
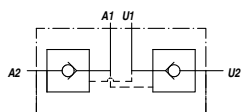
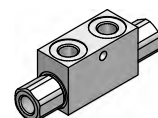
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)

DOPPIO EFFETTO  
DOUBLE ACTING

VRDE-F ...FF



Code Codice	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H1	H2	ØG	CH	H	S	kg
VSG312.F00404	1/8"	1/8"	20	350	1:4.5	VRDE-F 005 FF	53	86	20	11	-	-	17	30	20	0,40
VSG312.F10454	1/4"	1/4"	30	350	1:4.5	VRDE-F 010 FF	68	118	38	13	7	7.0	24	40	30	0,69
VSG312.F15454	3/8"	3/8"	30	350	1:4.5	VRDE-F 015 FF	68	118	38	13	7	7.0	24	40	30	0,64
VSG312.F20404	3/8"	3/8"	50	300	1:4	VRDE-F 020 FF	80	144	40	16	15	8.5	27	50	30	0,98
VSG312.F25404	1/2"	1/2"	50	300	1:4	VRDE-F 025 FF	80	144	40	16	15	8.5	27	50	30	0,91
VSG312.F30404	1/2"	1/2"	80	300	1:4	VRDE-F 030 FF	90	171	40	20	15	8.5	30	60	40	1,72
VSG312.F40404	3/4"	3/4"	120	300	1:4	VRDE-F 040 FF	107	196	60	23	16	8.5	41	70	50	3,11

Pressione di apertura - Opening pressure : bar 0.5 - 4 (standard) - 8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

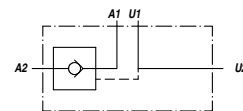
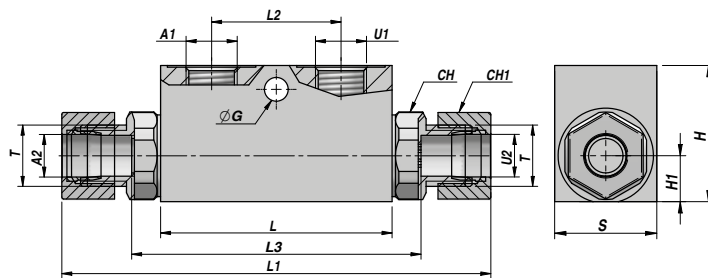
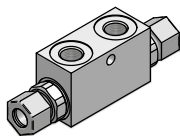
MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

**VRSE-A...FF**

**NEW!**

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA DI BLOCCO PILOTATA DIN 2353 (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)



CON DADO E ANELLO DI SERRAGGIO  
WITH NUT AND CUTTING RING

Codice Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	H1	H2	ØG	CH	CH1	H	S	kg
VSG323.F05454	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRSE-A 005 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,64
VSG323.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRSE-A 010 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,67
VSG323.F14454	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRSE-A 014 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,63
VSG323.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRSE-A 015 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,66
VSG323.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRSE-A 020 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,97
VSG323.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRSE-A 025 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,91
VSG323.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRSE-A 030 FF	90	180	40	133	20	15	8.5	30	32	60	40	1,67

Pressione di apertura - Opening pressure : bar 0.5 - 4 (standard) - 8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

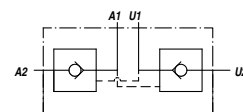
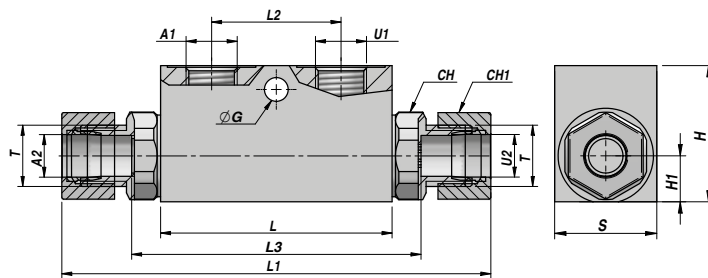
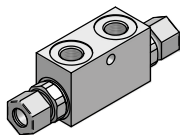
MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

**VRDE-A...FF**

**NEW!**

DOPPIO EFFETTO  
DOUBLE ACTING

VALVOLA DI BLOCCO PILOTATA DIN 2353 (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)



CON DADO E ANELLO DI SERRAGGIO  
WITH NUT AND CUTTING RING

Codice Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	H1	H2	ØG	CH	CH1	H	S	kg
VSG324.F05454	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRDE-A 005 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,64
VSG324.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRDE-A 010 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,67
VSG324.F14454	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRDE-A 014 FF	68	138	38	86	13	7	7.0	24	20	40	30	0,63
VSG324.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRDE-A 015 FF	68	138	38	86	13	7	7.0	24	22	40	30	0,66
VSG324.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRDE-A 020 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,97
VSG324.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRDE-A 025 FF	80	166	40	108	16	15	8.5	27	27	50	30	0,91
VSG324.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRDE-A 030 FF	90	180	40	133	20	15	8.5	30	32	60	40	1,67

Pressione di apertura - Opening pressure : bar 0.5 - 4 (standard) - 8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

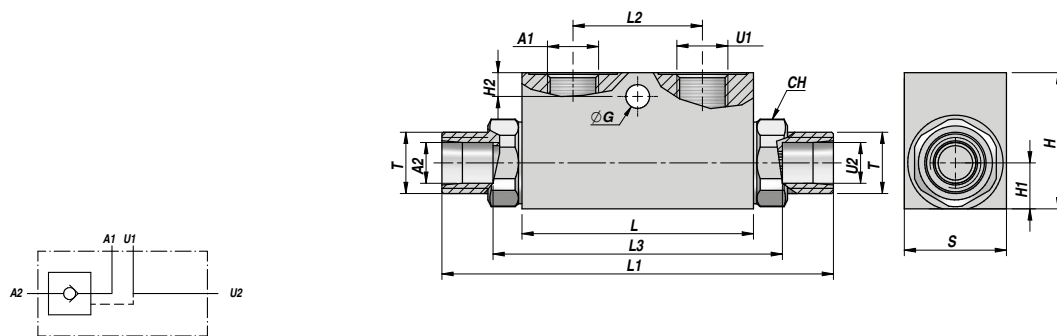
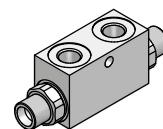
MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING



VALVOLA DI BLOCCO PILOTATA DIN 2353 (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)

SEMPLICE EFFETTO  
SINGLE ACTING

**VRSE-AZ...FF**



SENZA DADO E ANELLO DI SERRAGGIO  
WITHOUT NUT AND CUTTING RING

Codice Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	H1	H2	ØG	CH	H	S	kg
VSG321.F05454 <b>NEW!</b>	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRSE-AZ 005 FF	68	115	38	86	13	7	7.0	24	40	30	0,59
VSG321.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRSE-AZ 010 FF	68	115	38	86	13	7	7.0	24	40	30	0,62
VSG321.F14454 <b>NEW!</b>	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRSE-AZ 014 FF	68	115	38	86	13	7	7.0	24	40	30	0,58
VSG321.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRSE-AZ 015 FF	68	115	38	86	13	7	7.0	24	40	30	0,61
VSG321.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRSE-AZ 020 FF	80	140	40	108	16	15	8.5	27	50	30	0,88
VSG321.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRSE-AZ 025 FF	80	140	40	108	16	15	8.5	27	50	30	0,82
VSG321.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRSE-AZ 030 FF	90	152	40	133	20	15	8.5	30	60	40	1,54

Pressione di apertura - Opening pressure : bar 0,5 - 4 (standard) - 8

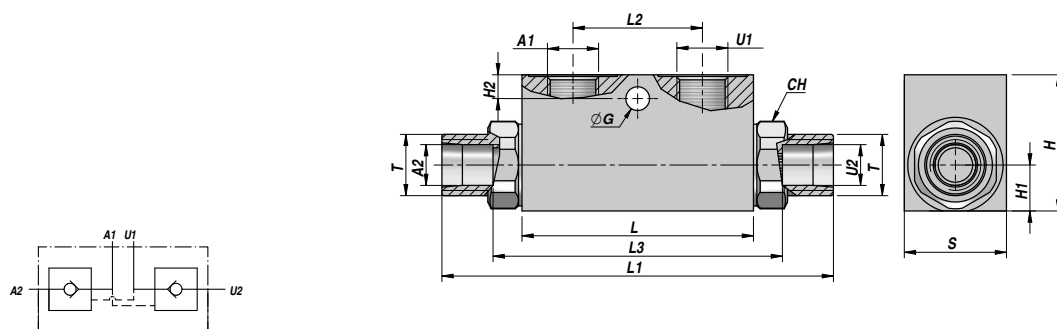
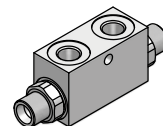
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

VALVOLA DI BLOCCO PILOTATA DIN 2353 (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE DIN 2353 (POPPET TYPE)

DOPPIO EFFETTO  
DOUBLE ACTING

**VRDE-AZ...FF**



SENZA DADO E ANELLO DI SERRAGGIO  
WITHOUT NUT AND CUTTING RING

Codice Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	H1	H2	ØG	CH	H	S	kg
VSG322.F05454 <b>NEW!</b>	1/4"	Ø10	M16x1.5	20	350	1:4.5	VRDE-AZ 005 FF	68	115	38	86	13	7	7.0	24	40	30	0,59
VSG322.F10454	1/4"	Ø12	M18x1.5	30	350	1:4.5	VRDE-AZ 010 FF	68	115	38	86	13	7	7.0	24	40	30	0,62
VSG322.F14454 <b>NEW!</b>	3/8"	Ø10	M16x1.5	20	350	1:4.5	VRDE-AZ 014 FF	68	115	38	86	13	7	7.0	24	40	30	0,58
VSG322.F15454	3/8"	Ø12	M18x1.5	30	350	1:4.5	VRDE-AZ 015 FF	68	115	38	86	13	7	7.0	24	40	30	0,61
VSG322.F20404	3/8"	Ø15	M22x1.5	50	300	1:4	VRDE-AZ 020 FF	80	140	40	108	16	15	8.5	27	50	30	0,88
VSG322.F25404	1/2"	Ø15	M22x1.5	50	300	1:4	VRDE-AZ 025 FF	80	140	40	108	16	15	8.5	27	50	30	0,82
VSG322.F30404	1/2"	Ø18	M26x1.5	80	300	1:4	VRDE-AZ 030 FF	90	152	40	133	20	15	8.5	30	60	40	1,54

Pressione di apertura - Opening pressure : bar 0,5 - 4 (standard) - 8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

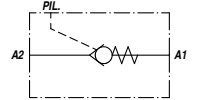
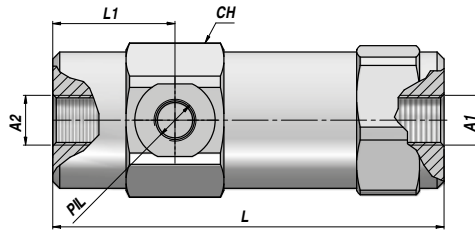
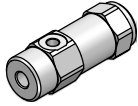
MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

# VALVOLE DI BLOCCO PILOTATE - PILOT OPERATED CHECK VALVES

## VBPS

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Codice Code	A1 - A2 BSP	PIL BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	CH	kg
VSG341.109500	1/4"	1/4"	25	350	1:9.5	VBPS 010	103.0	32.5	36	0,69
VSG341.206000	3/8"	1/4"	40	350	1:6	VBPS 020	111.0	35.0	40	0,93
VSG341.304300	1/2"	1/4"	60	350	1:4.3	VBPS 030	122.0	38.0	42	1,08
VSG341.404000	3/4"	1/4"	90	300	1:4.4	VBPS 040	145.5	44.5	55	2,32
VSG341.503500	1"	1/4"	130	260	1:3.5	VBPS 050	164.0	44.5	55	2,36

Pressione di apertura - Opening pressure : bar 1 (standard) - 4 - 8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

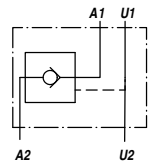
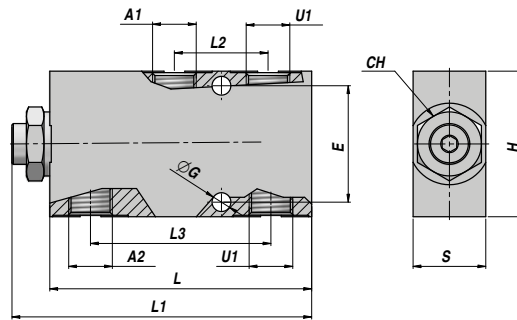
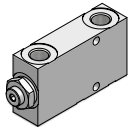
MONTAGGIO IN LINEA  
LINE MOUNTING

## VPSE

NEW!

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)



Codice Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	ØG	E	H	S	kg
VAG350.207004	3/8"	3/8"	35	350	1:7	VPSE 020	83	95	34	49	6.5	40	60	35	0,53
VAG350.257004	1/2"	1/2"	35	350	1:7	VPSE 025	83	95	34	49	6.5	40	60	35	0,49

Pressione di apertura - Opening pressure : bar 0,5 - 4 (standard) - 8

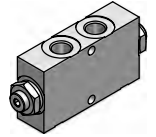
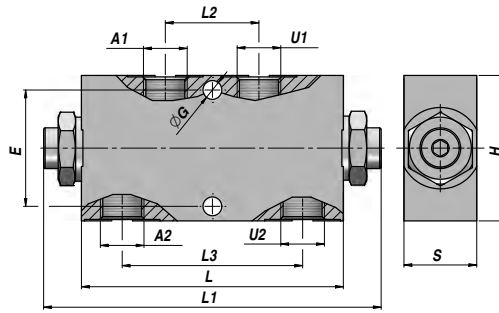
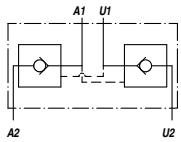
MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)

DOPPIO EFFETTO  
DOUBLE ACTING

VPDE



Codice Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	ØG	E	H	S	kg
VSG352.104004 **	1/4"	1/4"	20	350	1:4	VPDE 010	90	113	32	62	6.5	40	50	25	0,79
VSG352.154004 **	3/8"	3/8"	20	350	1:4	VPDE 015	90	113	32	62	6.5	40	50	25	0,76
VAG352.207004 *	3/8"	3/8"	35	350	1:7	VPDE 020	96	113	32	62	6.5	40	60	35	0,62
VAG352.257004 *	1/2"	1/2"	35	350	1:7	VPDE 025	96	113	32	62	6.5	40	60	35	0,60
VAG352.305004 *	1/2"	1/2"	50	300	1:5.2	VPDE 030	117	139	43	84	10.1	40	70	40	1,00

Pressione di apertura - Opening pressure : bar 0.5 - 4 (standard) - 8

\*\* Tenuta a sfera - Ball type

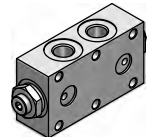
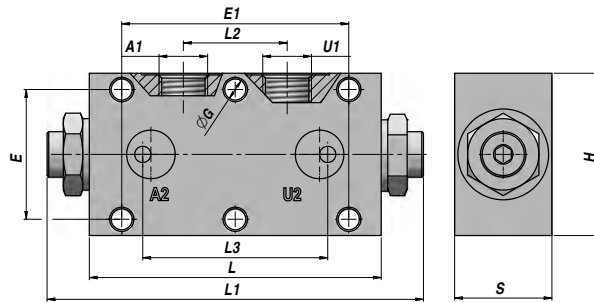
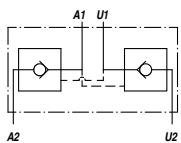
MATERIALE CORPO : ACCIAIO /\* = ALLUMINIO  
BODY MATERIAL : STEEL /\* = ALUMINIUM

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)

DOPPIO EFFETTO  
DOUBLE ACTING

VPDE/F



Codice Code	A1 - U1 BSP	A2 - U2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	ØG	E	E1	H	S	kg
VAG353.104004 **	1/4"	Ø5	20	350	1:4	VPDE-F 010	90	113	32	52	6.5	40	70	50	30	0,43
VAG353.154004 **	3/8"	Ø5	20	350	1:4	VPDE-F 015	90	113	32	52	6.5	40	70	50	30	0,43
VAG353.207004	3/8"	Ø5	35	350	1:7	VPDE-F 020	96	113	32	62	6.5	40	70	60	35	0,60
VAG353.257004	1/2"	Ø5	35	350	1:7	VPDE-F 025	96	113	32	62	6.5	40	70	60	35	0,60

Pressione di apertura - Opening pressure : bar 0,5 - 4 (standard) - 8

\*\* Tenuta a sfera - Ball type

MATERIALE CORPO : ALLUMINIO  
BODY MATERIAL : ALUMINIUM

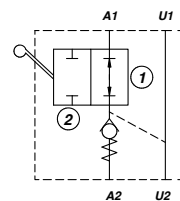
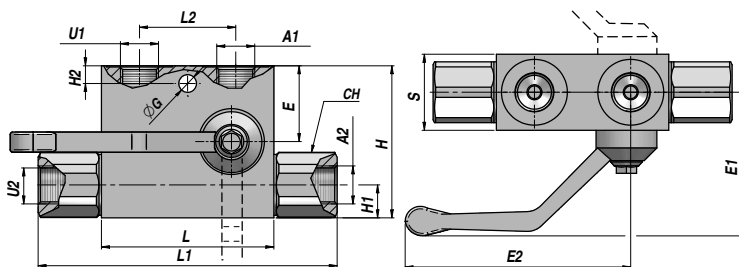
FLANGIABILE  
FACE MOUNTING

# VALVOLE DI BLOCCO PILOTATE - PILOT OPERATED CHECK VALVES

## VRPSE

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA DI BLOCCO PILOTATA + BY PASS (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE + BY PASS (POPPET TYPE)



Code Code	A1 - U1 BSP	A2 - U2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	E	E1 max	E2 max	ØG	H2	CH	H1	H	S	kg
<b>Versione sinistra - Left version</b>																			
VSG331.104504	1/4"	1/4"	25	350	1:4.5	VRPSE 010-FL	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG331.154504	3/8"	3/8"	25	350	1:4.5	VRPSE 015-FL	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG331.204504	3/8"	3/8"	50	300	1:4	VRPSE 020-FL	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG331.254504	1/2"	1/2"	50	300	1:4	VRPSE 025-FL	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12
<b>Versione destra - Right version</b>																			
VSG332.104504	1/4"	1/4"	25	350	1:4.5	VRPSE 010-FR	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG332.154504	3/8"	3/8"	25	350	1:4.5	VRPSE 015-FR	68	118	38	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG332.204504	3/8"	3/8"	50	300	1:4	VRPSE 020-FR	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG332.254504	1/2"	1/2"	50	300	1:4	VRPSE 025-FR	80	143	40	25.5	60	100	8.5	9	27	16	60	30	1,12

Pressione di apertura - Opening pressure : bar 0,5 - 4 (standard) - 8

A RICHIESTA - ON REQUEST : " VRPDE..." VALVOLA DOPPIO EFFETTO - DOUBLE EFFECT VALVE

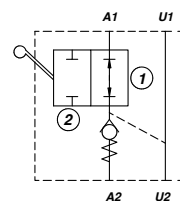
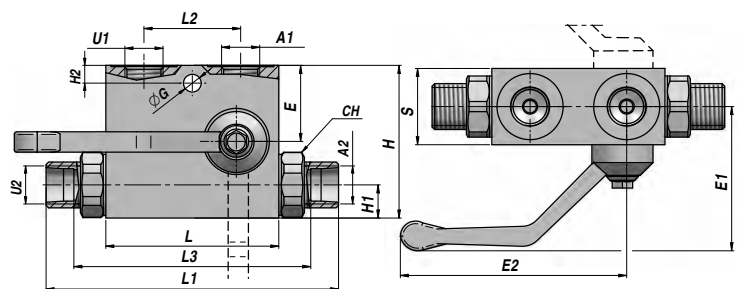
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

## VRPSE-DIN

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA DI BLOCCO PILOTATA DIN 2353 + BY PASS (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE DIN 2353 + BY PASS (POPPET TYPE)



Code Code	A1 - U1 BSP	A2 - U2	T	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	E	E1 max	E2 max	ØG	H2	CH	H1	H	S	kg
<b>Versione sinistra - Left version</b>																					
VSG333.104504	1/4"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 010-FL	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG333.154504	3/8"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 015-FL	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG333.204504	3/8"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 020-FL	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG333.254504	1/2"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 025-FL	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12
<b>Versione destra - Right version</b>																					
VSG334.104504	1/4"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 010-FR	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG334.154504	3/8"	Ø12	M18x1.5	25	350	1:4.5	VRPSE-DIN 015-FR	68	115	38	86	29.0	65	90	7.0	7	24	13	60	30	0,95
VSG334.204504	3/8"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 020-FR	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12
VSG334.254504	1/2"	Ø15	M22x1.5	50	300	1:4	VRPSE-DIN 025-FR	80	140	40	106	25.5	60	100	8.5	9	27	16	60	30	1,12

Pressione di apertura - Opening pressure : bar 0,5 - 4 (standard) - 8

A RICHIESTA - ON REQUEST : " VRPDE..." VALVOLA DOPPIO EFFETTO - DOUBLE EFFECT VALVE

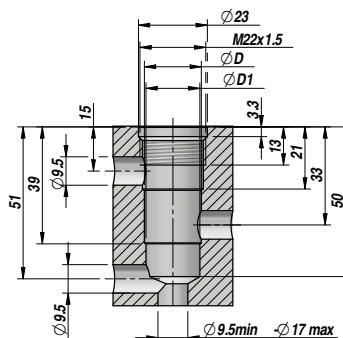
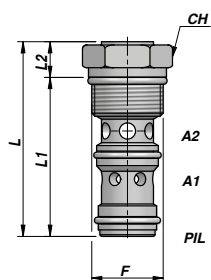
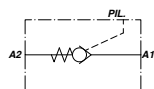
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)

NEW!

VRPC



Codice Code	F	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	ØD	ØD1	CH	kg
VCM340.063404	M22x1.5	25	320	1:3.4	VRPC 06	57	49	8	19	18	27	0,10

Pressione di apertura - Opening pressure : 4 bar (standard) - 8

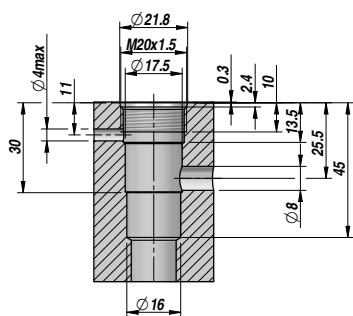
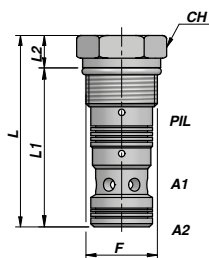
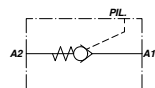
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE

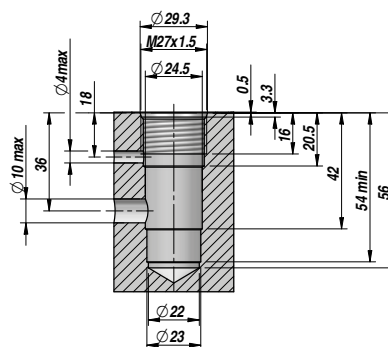
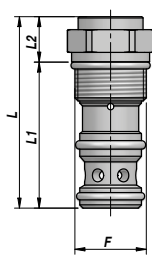
VALVOLA DI BLOCCO PILOTATA (TENUTA A CONO)  
PILOT OPERATED CHECK VALVE (POPPET TYPE)

NEW!

VCP



VCP 03M



VCP 04M

Codice Code	F	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	CH	kg
VCM340.033103	M20x1.5	30	350	1:3	VCP 03M	46.3	39.3	7	24	0,08
VCM340.044004	M27x1.5	90	350	1:4	VCP 04M	67.0	49.0	18	32	0,10

Pressione di apertura - Opening pressure :

VCP 03M = 3 bar

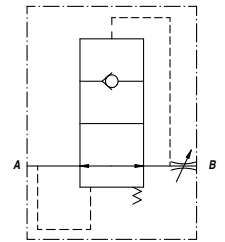
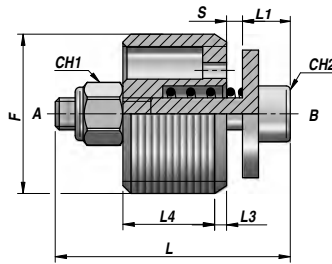
VCP 04M = 4 bar

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE

VUBA

VALVOLA PARACADUTE  
HOSE BURST VALVE



Codice Code	F BSP	Q MAX l/min	P MAX bar	S	Q STD l/min	Tipo Type	L	L1	L3	L4	CH1	CH2	kg x 100
VCG390.100800	1/4"	29	350	0.8	15.5	VUBA 010 - 0.8	19	5.0	1.0	7.0	5.5	2.5	1,00
VCG390.201500	3/8"	45	350	1.5	35.5	VUBA 020 - 1.5	23	5.0	1.5	9.5	5.5	2.5	1,50
VCG390.301800	1/2"	67	350	1.9	60.0	VUBA 030 - 1.9	29	6.0	1.5	11.5	7.0	3.0	2,50
VCG390.402200	3/4"	169	350	2.2	149.0	VUBA 040 - 2.2	34	6.0	2.5	15.5	7.0	3.0	4,50
VCG390.502600	1"	223	350	2.6	190.0	VUBA 050 - 2.6	40	8.5	1.5	18.5	8.0	4.0	9,80

S = APERTURA STANDARD - STANDARD OPENING

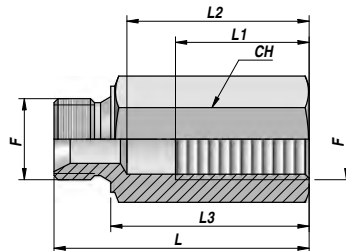
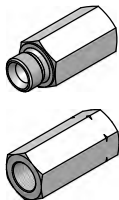
SUPERFICI DI TENUTA LAPPATE - LAPPED TIGHT SURFACES

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

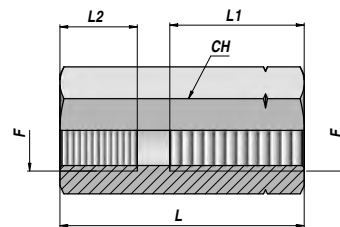
CARTUCCIA  
CARTRIDGE

CMF x VUBA CFF x VUBA

COLLETORE PER VALVOLA "VUBA"  
"VUBA" VALVE ADAPTER



TYPE CMF



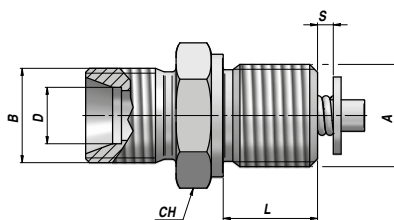
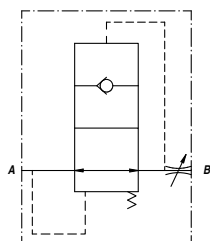
TYPE CFF

Codice Code	F BSP	P MAX bar	Tipo Type	L	L1	L2	L3	CH	kg x 100
MASCHIO-FEMMINA MALE-FEMALE									
VCG391.100000	1/4"	350	CMFxVUBA-010	50	23	31	38	19	7,00
VCG391.200000	3/8"	350	CMFxVUBA-020	60	30	43	48	22	9,50
VCG391.300000	1/2"	350	CMFxVUBA-030	63	33	45	49	27	14,70
VCG391.400000	3/4"	300	CMFxVUBA-040	75	36	50	59	32	22,50
VCG391.500000	1"	250	CMFxVUBA-050	88	46	60	70	41	42,50
FEMMINA-FEMMINA FEMALE-FEMALE									
VCG392.100000	1/4"	350	CFFxVUBA-010	50	20	12	-	19	7,00
VCG392.200000	3/8"	350	CFFxVUBA-020	58	27	14	-	22	9,80
VCG392.300000	1/2"	350	CFFxVUBA-030	60	33	19	-	27	14,50
VCG392.400000	3/4"	300	CFFxVUBA-040	76	36	19	-	32	22,20
VCG392.500000	1"	250	CFFxVUBA-050	85	46	18	-	41	43,50

MATERIALE : ACCIAIO  
MATERIAL : STEEL

VALVOLA A PARACADUTE - DIN 2353  
HOSE BURST VALVE - DIN 2353

**NEW!** **VUBA DIN**



Codice Code	A BSP	B	Q MAX l/min	P MAX bar	S	Q STD l/min	Tipo Type	L	D	CH	kg x 100
V1690.0784	3/8"	M16x1.5	50	350	1.2	32	VUBA-DIN 3/8" T10L	11	10	22	6,00
V1690.0786	3/8"	M18x1.5	50	350	1.2	32	VUBA-DIN 3/8" T12L	11	12	22	6,50
V1690.0787	3/8"	M22x1.5	50	350	1.2	32	VUBA-DIN 3/8" T15L	11	15	24	9,70
V1690.0794	1/2"	M22x1.5	80	350	1.6	54	VUBA-DIN 1/2" T15L	13	15	27	11,50

S = APERTURA STANDARD - STANDARD OPENING

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

CARTUCCIA  
CARTRIDGE





## VALVOLE OVERCENTER OVERCENTER VALVES

		Descrizione - Description	Type	Page
	<b>NEW!</b>	VALVOLA OVERCENTER A 3 VIE 3 WAY OVERCENTER VALVE	WBC-SE	264
	<b>NEW!</b>	VALVOLA OVERCENTER OVERCENTER VALVE	WBC-SEPI	264 ÷ 265
	<b>NEW!</b>	VALVOLA OVERCENTER OVERCENTER VALVE	WBC-DE	266 ÷ 267
	<b>NEW!</b>	VALVOLA OVERCENTER OVERCENTER VALVE	WBC-SEPI FL VOSL/N1116 VOSL/N1516	267 ÷ 268
	<b>NEW!</b>	VALVOLA OVERCENTER OVERCENTER VALVE	WBC-DE FL VODL/N1116	269
		VALVOLA OVERCENTER OVERCENTER VALVE	VBCD/A SE-FLV	270
		VALVOLA OVERCENTER OVERCENTER VALVE	VBCD/A DE-FLV	270
		VALVOLA OVERCENTER OVERCENTER VALVE	VBCD/A SE	271
		VALVOLA OVERCENTER OVERCENTER VALVE	VBCD/A DE	271
		VALVOLA OVERCENTER OVERCENTER VALVE	VBCD/FL SE	272
		VALVOLA OVERCENTER OVERCENTER VALVE	VBCD/FL DE	272
		<b>NEW!</b> VALVOLA OVERCENTER PER MOTORI "MPP-MPR-MCP-MCR" OVERCENTER VALVE FOR "MPP-MPR-MCP-MCR" MOTORS	VBCDF SE (MP-MR) VBCDF DE (MP-MR)	273
		<b>NEW!</b> VALVOLA OVERCENTER PER MOTORI "MPS-MCS" OVERCENTER VALVE FOR "MPS-MCS" MOTORS	VBCDF SE (MS) VBCDF DE (MS)	274

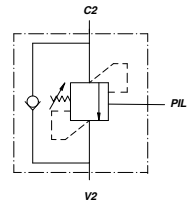
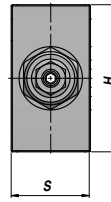
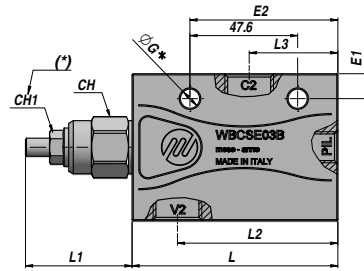
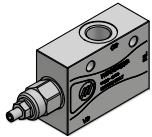
# VALVOLE OVERCENTER - OVERCENTER VALVES

## WBC-SE

### NEW!

### SEMPLICE EFFETTO SINGLE ACTING

### VALVOLA OVERCENTER A 3 VIE 3 WAY OVERCENTER VALVE



Codice Code	V2 BSP	C2 BSP	PIL BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	E1	E2	ØG	CH	CH1	H	S	kg
VSG411.1041B0	1/4"	1/4"	1/4"	40	350	1:4.1	WBC-SE 010 B	84	40	61.0	34.0	7.5	49.0	6.5	22	13	45	25	0,74
VSG411.2042B0	3/8"	3/8"	1/4"	60	350	1:4.2	WBC-SE 020 B	91	47	70.3	39.3	7.0	65.4	8.5	24	13	55	30	1,13
VSG411.3042B0	1/2"	1/2"	1/4"	60	350	1:4.2	WBC-SE 030 B	91	47	70.3	39.3	11.0	65.4	8.5	24	13	65	35	1,53

\* = Foro di fissaggio unico per la versione 010 - Single mounting hole for 010 version

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "A" 60-220 bar ( Taratura standard - Standard setting 200 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

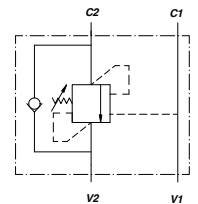
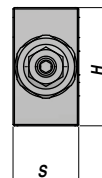
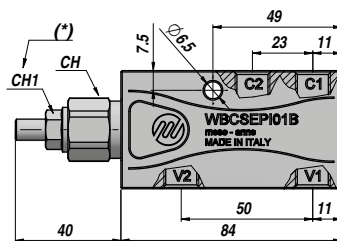
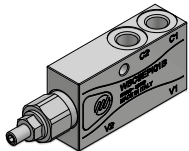
MONTAGGIO IN LINEA  
LINE MOUNTING

## WBC-SEPI

### NEW!

### SEMPLICE EFFETTO SINGLE ACTING

### VALVOLA OVERCENTER OVERCENTER VALVE



Codice Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
VSG410.1041B0	1/4"	1/4"	-	40	350	1:4.1	WBC-SEPI 010 B	22	13	45	25	0,72

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "A" 60-220 bar ( Taratura standard - Standard setting 200 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

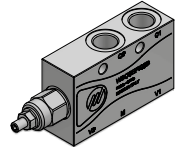
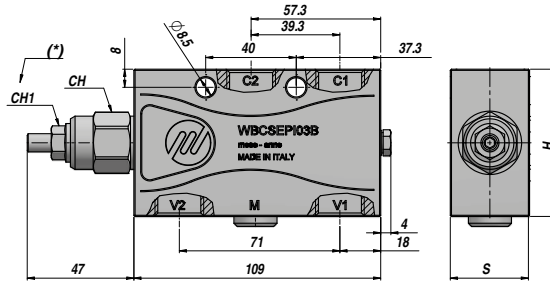
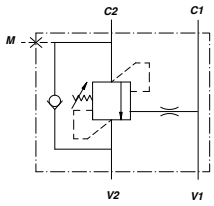
MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA OVERCENTER  
OVERCENTER VALVE

SEMPLICE EFFETTO  
SINGLE ACTING

NEW!

WBC-SEPI



Codice Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
VSG410.2042B0	3/8"	3/8"	-	60	350	1:4.2	WBC-SEPI 020 B	24	13	55	30	1,33
VSG410.3042B0	1/2"	1/2"	1/4"	60	350	1:4.2	WBC-SEPI 030 B	24	13	65	35	1,77

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "A" 60-220 bar ( Taratura standard - Standard setting 200 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

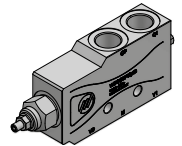
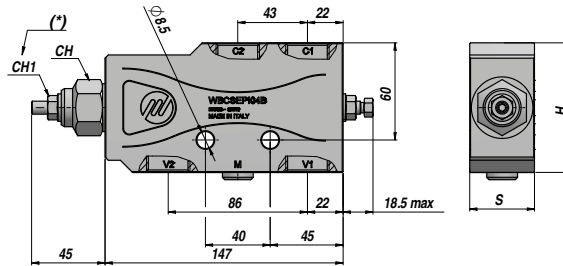
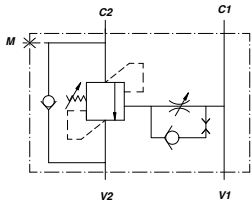
MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA OVERCENTER  
OVERCENTER VALVE

SEMPLICE EFFETTO  
SINGLE ACTING

NEW!

WBC-SEPI



Codice Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
VSG410.4040B0	3/4"	3/4"	1/4"	150	350	1:4	WBC-SEPI 040 B	30	13	80	40	3,09

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:6

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

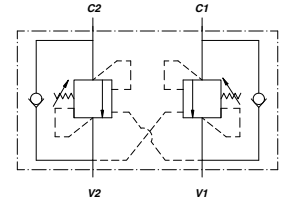
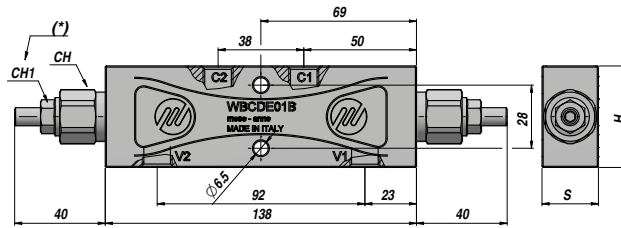
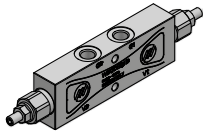
MONTAGGIO IN LINEA  
LINE MOUNTING

**WBC-DE**

**NEW!**

**DOPPIO EFFETTO  
DOUBLE ACTING**

**VALVOLA OVERCENTER  
OVERCENTER VALVE**



Codice Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
VSG412.1042B0	1/4"	1/4"	-	40	350	1:4.1	WBC-DE 010 B	22	13	45	25	1,25

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "A" 60-220 bar ( Taratura standard - Standard setting 200 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

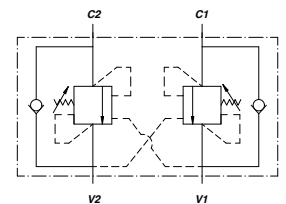
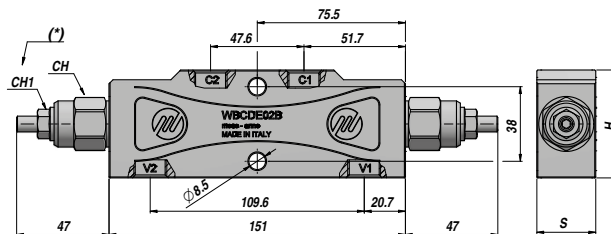
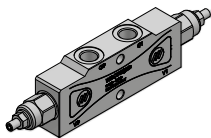
MONTAGGIO IN LINEA  
LINE MOUNTING

**WBC-DE**

**NEW!**

**DOPPIO EFFETTO  
DOUBLE ACTING**

**VALVOLA OVERCENTER  
OVERCENTER VALVE**



Codice Code	V1-V2 BSP	C1-C2 BSP	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
VSG412.2042B0	3/8"	3/8"	-	60	350	1:4.2	WBC-DE 020 B	24	13	55	30	1,85
VSG412.3042B0	1/2"	1/2"	-	60	350	1:4.2	WBC-DE 030 B	24	13	65	35	2,50

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "A" 60-220 bar ( Taratura standard - Standard setting 200 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

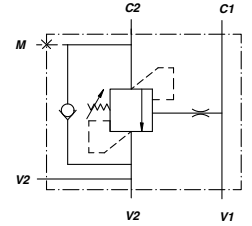
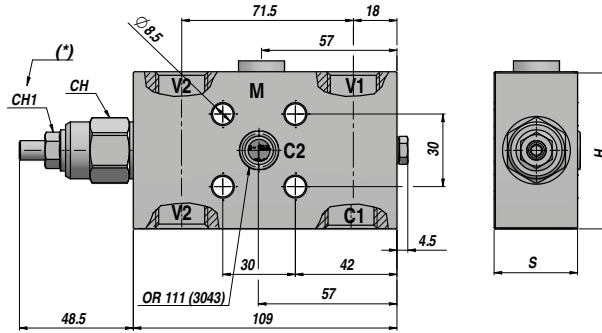
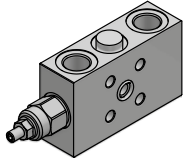


VOSL/N1116

NEW!

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA OVERCENTER  
OVERCENTER VALVE



Codice Code	V1-V2 BSP	C1 BSP	C2	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
V515022106	3/8"	3/8"	ø8.5	1/4"	60	350	1:4	VOSL/N1116/38F1/G5.p4/ac	24	13	55	29.5	1,30
V515032106	1/2"	1/2"	ø8.5	1/4"	60	350	1:4	VOSL/N1116/12F1/G5.p4/ac	24	13	65	34.5	1,75

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "G5" 50-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "G3" 5-210 bar ( Taratura standard - Standard setting 150 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

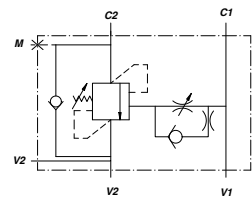
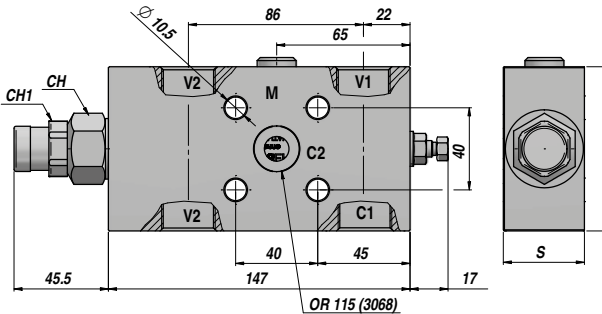
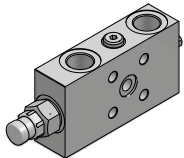
FLANGIABILE  
FACE MOUNTING

VOSL/N1516

NEW!

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA OVERCENTER  
OVERCENTER VALVE



Codice Code	V1-V2 BSP	C1 BSP	C2	M BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	CH	CH1	H	S	kg
V515642106	3/4"	3/4"	ø14.8	1/4"	150	400	1:4	VOSL/N1516/34F1/G7.p4.PR/ac	27	24	80	39.5	3,00

MOLLA - SPRING : Type "G7" 150-400 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "G3" 5-210 bar ( Taratura standard - Standard setting 150 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

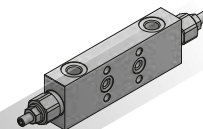
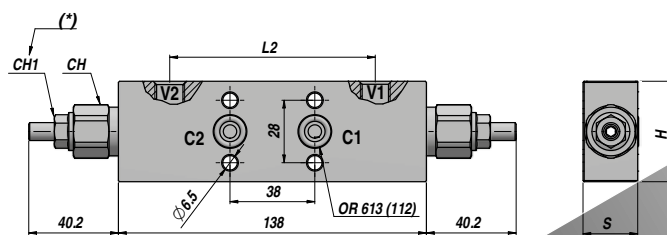
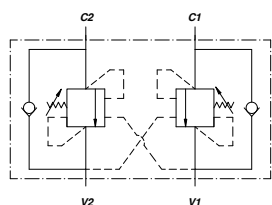
FLANGIABILE  
FACE MOUNTING

VALVOLA OVERCENTER  
OVERCENTER VALVE

DOPPIO EFFETTO  
DOUBLE ACTING

NEW!

WBC-DE/FL



Codice Code	V1-V2 BSP	C1-C2	M	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L2	CH	CH1	H	S	kg
VSG422.1042B0	1/4"	Ø6	-	40	350	1:4	WBC-DE-FL 010 B	92	22	13	45	24.5	1,20

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "B" 100-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "A" 60-220 bar ( Taratura standard - Standard setting 200 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

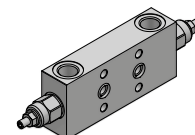
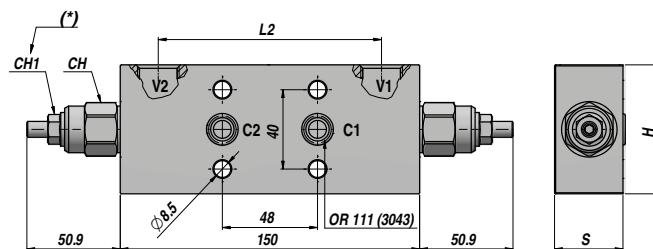
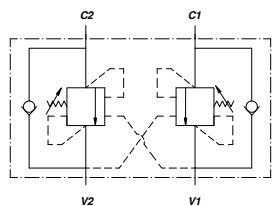
FLANGIABILE  
FACE MOUNTING

VALVOLA OVERCENTER  
OVERCENTER VALVE

DOPPIO EFFETTO  
DOUBLE ACTING

NEW!

VODL/N116



Codice Code	V1-V2 BSP	C1-C2	M	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L2	CH	CH1	H	S	kg
V555122106	3/8"	Ø8.5	-	60	350	1:4	VODL/N1116/38F2/G5.p4/ac	112	24	13	55.0	29.5	1,80
V555132107	1/2"	Ø8.5	-	60	350	1:4	VODL/N1116/12F2/G5.p4/ac	112	24	13	65.0	34.5	2,40

(\*)= CH1 : Coppia di serraggio - Tightening torque : Max 15 Nm

MOLLA - SPRING : Type "G5" 50-350 bar ( Taratura standard - Standard setting 350 bar )

A RICHIESTA - ON REQUEST :

MOLLA - SPRING : Type "G3" 5-210 bar ( Taratura standard - Standard setting 150 bar )

RAPPORTO DI PILOTAGGIO - PILOT RATIO : 1:8

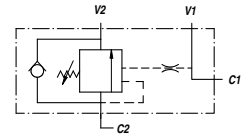
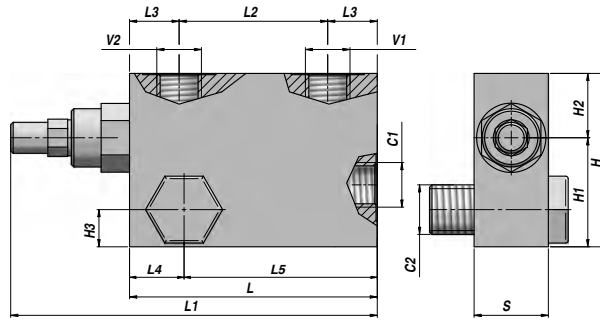
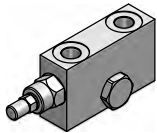
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

FLANGIABILE  
FACE MOUNTING

**VBCD/A SE-FLV**

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA OVERCENTER  
OVERCENTER VALVE



Codice Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	L4	L5	H1	H2	H3	H	S	kg
V2190.0392FLV	3/8"	3/8"	40	350	1:4.5	VBCD/A SE-FLV 3/8"	100	150	60	20	22	78	40	30	15	70	30	1,35
V2190.0412FLV	1/2"	1/2"	60	350	1:4.5	VBCD/A SE-FLV 1/2"	100	150	60	20	24	76	40	30	15	70	30	1,31

Taratura standard - Standard setting : 320 bar

Taratura minima - Minimum setting : 200 bar

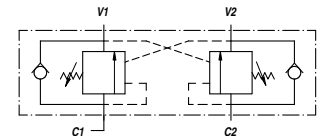
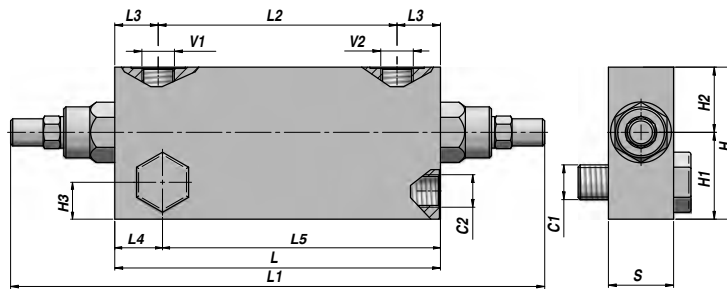
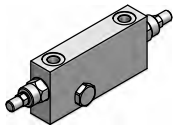
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING

**VBCD/A DE-FLV**

DOPPIO EFFETTO  
DOUBLE ACTING

VALVOLA OVERCENTER  
OVERCENTER VALVE



Codice Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	L4	L5	H1	H2	H3	H	S	kg
V2290.0422FLV	3/8"	3/8"	40	350	1:4.5	VBCD/A DE-FLV 3/8"	150	250	110	20	22	128	44	26	17	70	30	2,41
V2290.0432FLV	1/2"	1/2"	60	350	1:4.5	VBCD/A DE-FLV 1/2"	150	250	110	20	24	126	50	30	19	80	30	2,70

Taratura standard - Standard setting : 320 bar

Taratura minima - Minimum setting : 200 bar

MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

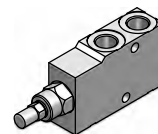
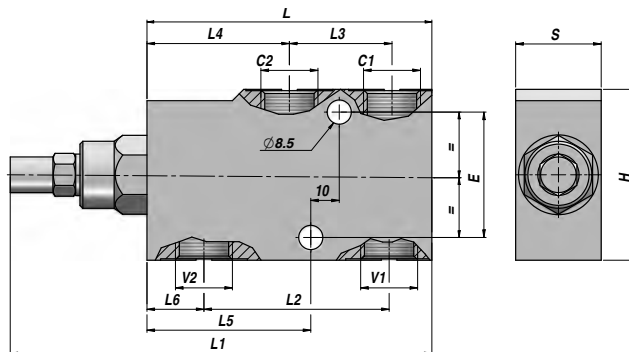
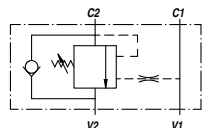
MONTAGGIO SU CILINDRO  
CYLINDER MOUNTING



VALVOLA OVERCENTER  
OVERCENTER VALVE

SEMPLICE EFFETTO  
SINGLE ACTING

VBCD/A SE



Codice Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	L4	L5	L6	E	H	S	kg
V2190.A400	1/4"	1/4"	20	350	1:4.5	VBCD/A SE 1/4"	100	149	60.0	30	50.0	55.0	20.0	44	60	30	1,31
V2190.A600	3/8"	3/8"	40	350	1:4.5	VBCD/A SE 3/8"	100	149	60.0	30	50.0	55.0	20.0	44	60	30	1,26
V2190.A800	1/2"	1/2"	60	350	1:4.5	VBCD/A SE 1/2"	100	149	65.0	36	50.0	57.5	20.0	44	60	30	1,20
V2190.A120	3/4"	3/4"	95	350	1:5.5	VBCD/A SE 3/4"	127	187	85.0	46	62.5	75.0	23.5	44	80	35	2,37
V2190.A160	1"	1"	160	350	1:5.5	VBCD/A SE 1"	156	213	109.5	70	63.0	75.0	23.5	70	90	50	5,52

Taratura standard - Standard setting : 320 bar

Taratura minima - Minimum setting : 200 bar

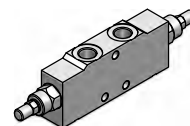
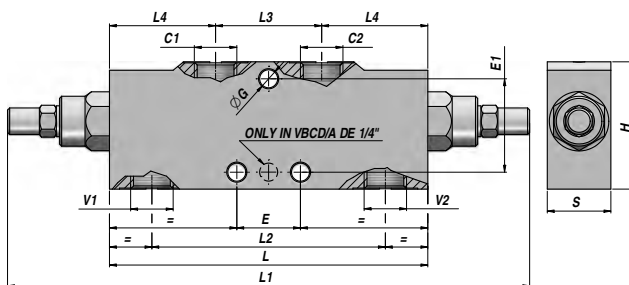
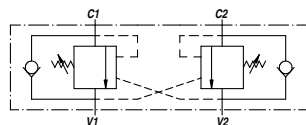
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

VALVOLA OVERCENTER  
OVERCENTER VALVE

DOPPIO EFFETTO  
DOUBLE ACTING

VBCD/A DE



Codice Code	V1 - V2 BSP	C1 - C2 BSP	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	L3	L4	ØG	E	E1	H	S	kg
V2290.A400	1/4"	1/4"	20	350	1:4.5	VBCD/A DE 1/4"	125	237	94	38	43.5	6.5	-	28	55	30	1,07
V2290.A600	3/8"	3/8"	40	350	1:4.5	VBCD/A DE 3/8"	150	248	110	50	50.0	8.5	30	44	60	30	1,94
V2290.A800	1/2"	1/2"	60	350	1:4.5	VBCD/A DE 1/2"	150	248	110	50	50.0	8.5	30	44	60	30	1,89
V2290.A120	3/4"	3/4"	95	350	1:5.5	VBCD/A DE 3/4"	190	304	143	65	62.5	8.5	44	64	80	35	3,82
V2290.A160	1"	1"	160	350	1:5.5	VBCD/A DE 1"	210	319	158	66	72.0	8.5	190	-	90	50	7,12

Taratura standard - Standard setting : 320 bar

Taratura minima - Minimum setting : 200 bar

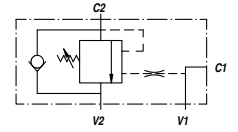
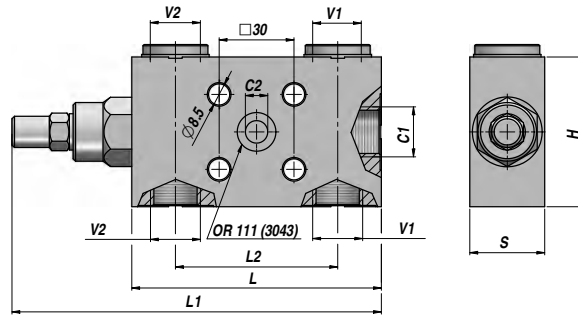
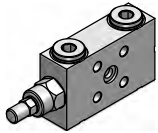
MATERIALE CORPO : ACCIAIO  
BODY MATERIAL : STEEL

MONTAGGIO IN LINEA  
LINE MOUNTING

**VBCD/FL SE**

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA OVERCENTER  
OVERCENTER VALVE



Codice Code	V1 - V2 BSP	C1 BSP	C2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H	S	kg
V2190.B600	3/8"	3/8"	Ø9	40	350	1:4.5	VBCD/FL SE 3/8"	100	149	60	60	30	1,25
V2190.B800	1/2"	1/2"	Ø9	60	350	1:4.5	VBCD/FL SE 1/2"	100	149	65	60	30	1,21

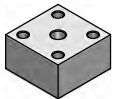
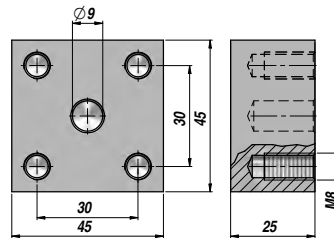
Taratura standard - Standard setting : 320 bar      Taratura minima - Minimum setting : 200 bar

MATERIALE CORPO : ACCIAIO      FLANGIABILE  
BODY MATERIAL : STEEL      FACE MOUNTING

**Basetta per VBCD...FL/SE - Sub-plate for VBCD...FL/SE**

Codice Code	Tipo Type
V9990.8000	B8000 - 45x45x25

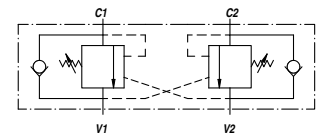
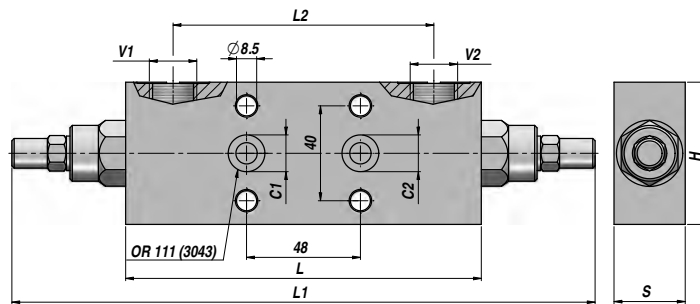
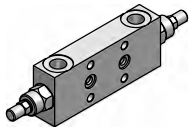
MATERIALE - MATERIAL : ACCIAIO - STEEL



**VBCD/FL DE**

DOPPIO EFFETTO  
DOUBLE ACTING

VALVOLA OVERCENTER  
OVERCENTER VALVE



Codice Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H	S	kg
V2290.B600	3/8"	Ø9	40	350	1:4.5	VBCD/FL DE 3/8"	150	248	110	60	30	2,01
V2290.B800	1/2"	Ø9	60	350	1:4.5	VBCD/FL DE 1/2"	150	248	110	60	30	1,98

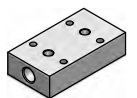
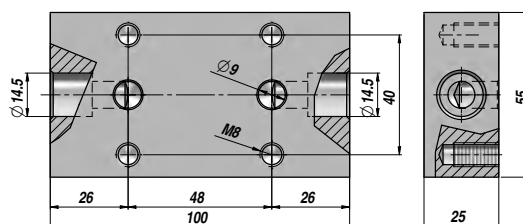
Taratura standard - Standard setting : 320 bar      Taratura minima - Minimum setting : 200 bar

MATERIALE CORPO : ACCIAIO      FLANGIABILE  
BODY MATERIAL : STEEL      FACE MOUNTING

**Basetta per VBCD...FL/DE - Sub-plate for VBCD...FL/DE**

Codice Code	Tipo Type
V9990.8500	B8500 - 100x55x25

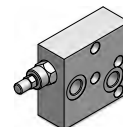
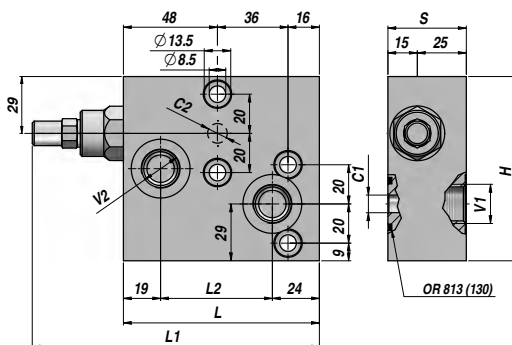
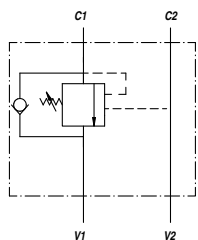
MATERIALE - MATERIAL : ACCIAIO - STEEL



VALVOLA OVERCENTER PER MOTORI MPP-MPR-MCP-MCR  
OVERCENTER VALVE FOR "MPP-MRP-MCP-MCR" MOTORS

SEMPLICE EFFETTO  
SINGLE ACTING

VBCDF-SE (MP-MR)



Codice Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H	S	kg
V2190.F008	1/2"	Ø9	50	350	1:4.5	VBCDF-SE 1/2"-PR	100	149	57	94	40	2,69

Taratura standard - Standard setting : 300- bar      Taratura minima - Minimum setting : 200 bar

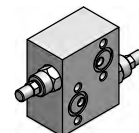
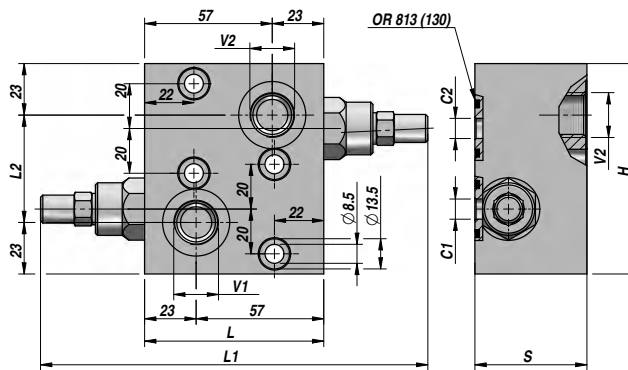
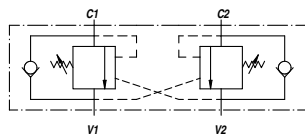
A RICHIESTA - ON REQUEST :  
VBCDF/SF-SE ...CON SBLOCCO FRENO - WITH BRAKE RELEASE PORT

MATERIALE CORPO : ACCIAIO      FLANGIABILE  
BODY MATERIAL : STEEL      FACE MOUNTING

VALVOLA OVERCENTER PER MOTORI MPP-MPR-MCP-MCR  
OVERCENTER VALVE FOR "MPP-MRP-MCP-MCR" MOTORS

DOPPIO EFFETTO  
DOUBLE ACTING

VBCDF-DE (MP-MR)



Codice Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H	S	kg
V2290.F008	1/2"	Ø9	50	350	1:4.5	VBCDF-DE 1/2"-PR	80	172	48	94	50	2,71

Taratura standard - Standard setting : 300- bar      Taratura minima - Minimum setting : 200 bar

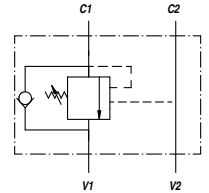
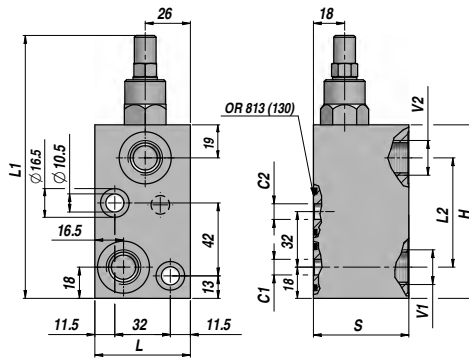
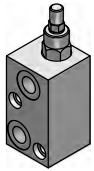
A RICHIESTA - ON REQUEST :  
VBCDF/SF-DE ...CON SBLOCCO FRENO - WITH BRAKE RELEASE PORT

MATERIALE CORPO : ACCIAIO      FLANGIABILE  
BODY MATERIAL : STEEL      FACE MOUNTING

**VBCDF-SE (MS)**

SEMPLICE EFFETTO  
SINGLE ACTING

VALVOLA OVERCENTER PER MOTORI MPS-MCS  
OVERCENTER VALVE FOR "MPS-MCS" MOTORS



Codice Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H	S	kg
V2190.F416	1/2"	Ø9	50	350	1:4.5	VBCDF-SE 1/2"-S	55	148	63	100	55	1,70

Taratura standard - Standard setting : 300- bar      Taratura minima - Minimum setting : 200 bar

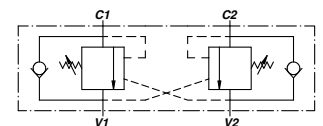
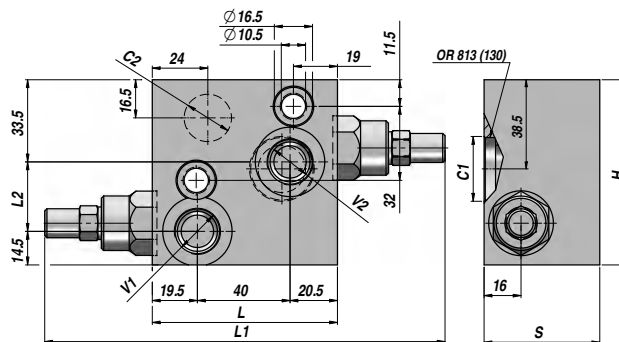
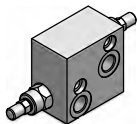
A RICHIESTA - ON REQUEST :  
VBCDF/SF-SE ...CON SBLOCCO FRENO - WITH BRAKE RELEASE PORT

MATERIALE CORPO : ACCIAIO      FLANGIABILE  
BODY MATERIAL : STEEL      FACE MOUNTING

**VBCDF-DE (MS)**

DOPPIO EFFETTO  
DOUBLE ACTING

VALVOLA OVERCENTER PER MOTORI MPS-MCS  
OVERCENTER VALVE FOR "MPS-MCS" MOTORS



Codice Code	V1 - V2 BSP	C1 - C2	Q MAX l/min	P MAX bar	PILOT RATIO	Tipo Type	L	L1	L2	H	S	kg
V2290.F426	1/2"	Ø9	50	350	1:4.5	VBCDF-DE 1/2"-S	80	170	30	80	50	2,15

Taratura standard - Standard setting : 300- bar      Taratura minima - Minimum setting : 200 bar

A RICHIESTA - ON REQUEST :  
VBCDF/SF-DE ...CON SBLOCCO FRENO - WITH BRAKE RELEASE PORT

MATERIALE CORPO : ACCIAIO      FLANGIABILE  
BODY MATERIAL : STEEL      FACE MOUNTING