

PM20

POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO
DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER



CODICE ORDINAZIONE ORDERING CODE

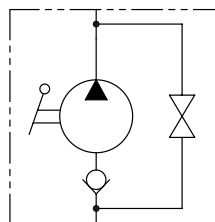
01

02

PM20

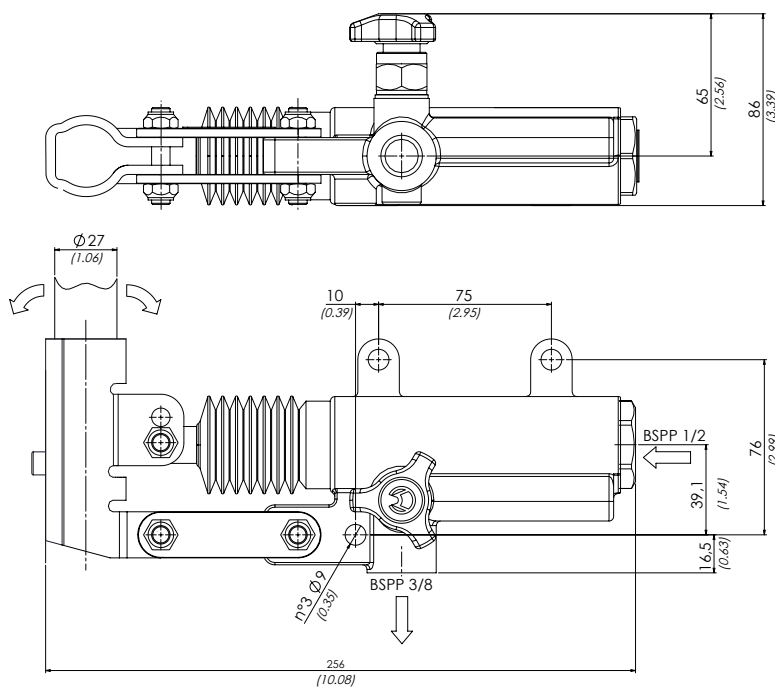
01	POMPA A MANO SEMPLICE EFFETTO (DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)		PM20
02	OPTIONAL	Con soffietto (With rubber protection)	P
		Senza rubinetto di scarico con valvola di massima (Without unloading valve With relief valves)	WRV
		Senza rubinetto di scarico (Without unloading valve)	W
		Con joystick (With joystick)	J
		Con leva di scarico Ø 27 mm (With unloading lever Ø 1.06 inch)	L
		Con rubinetto di scarico e valvola di massima (With drain valve and relief valve)	RRV

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



LA POMPA VIENE FORNITA CON LEVA DI AZIONAMENTO L=600 mm

THE PUMP IS SUPPLIED WITH ACTING LEVER 23,6 inch LONG



mm
(inches)

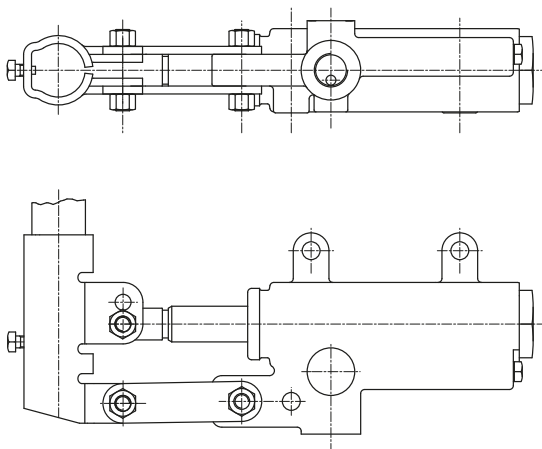
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

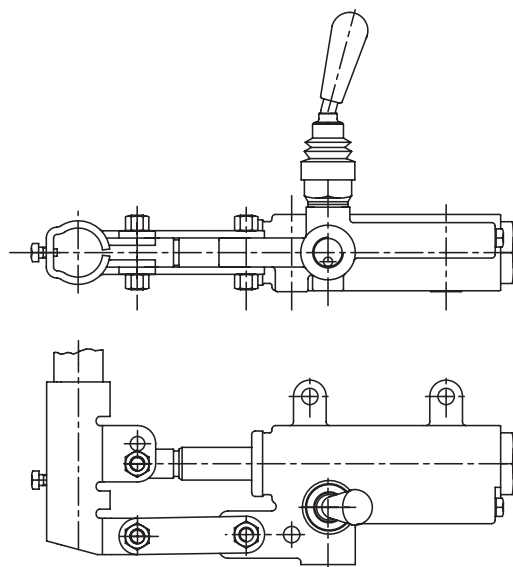
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	CILINDRATA (cm³) DISPLACEMENT (in³)	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PM20	20 (1.22)	150 (2175)	350 (5075)	3,4 (7.5)

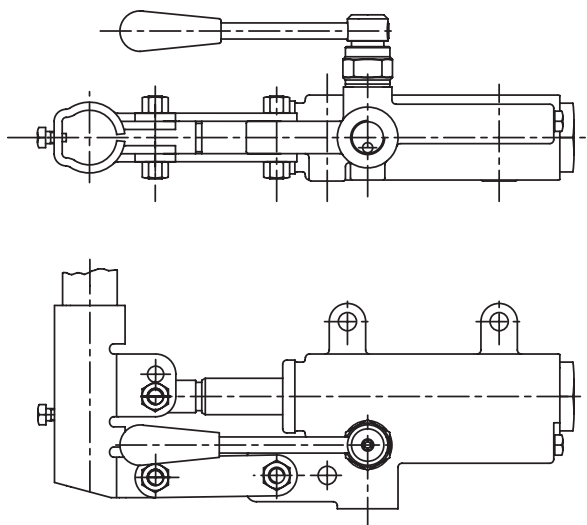
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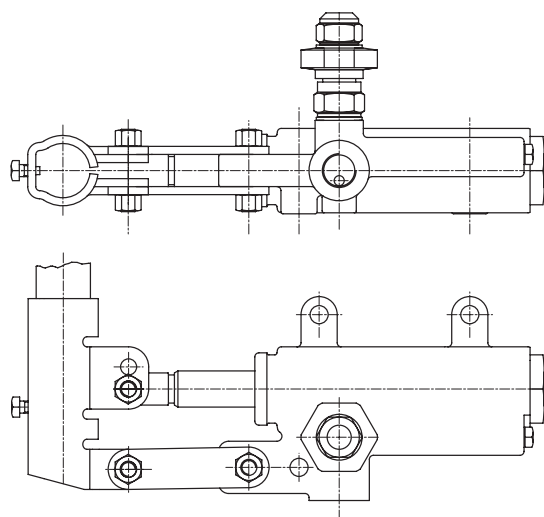
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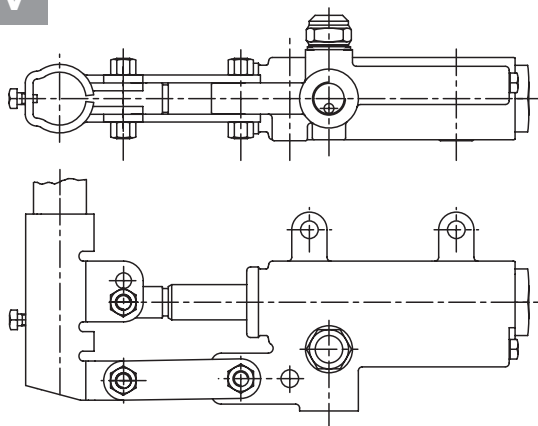
L



RRV



WRV

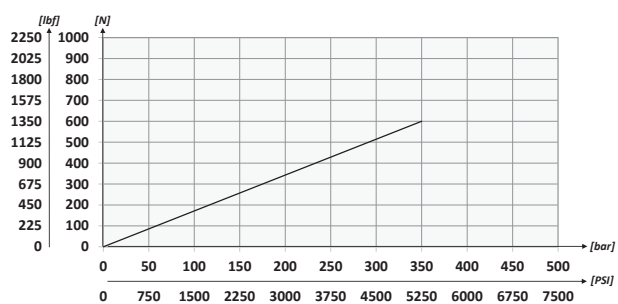


Valvola di massima
Relief valve

Molla 40/350 bar
Spring 580/5075 PSI

Taratura Standard 100 bar
Standard Setting 1500 PSI

SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER



PM50

POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO
DOUBLE PUMPING FOR SINGLE ACTING CYLINDER



CODICE ORDINAZIONE ORDERING CODE

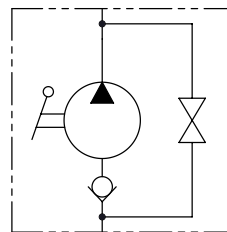
01

02

PM50

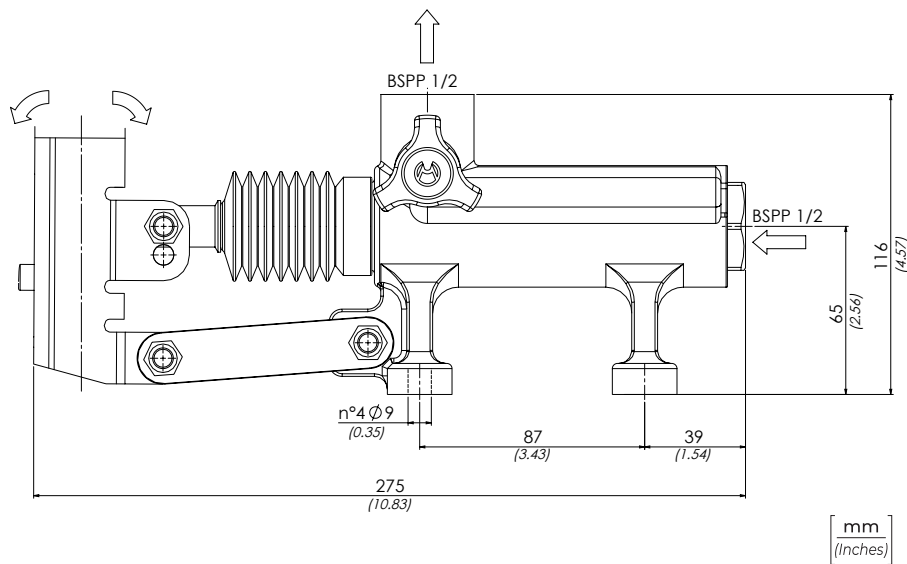
01	POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO (DOUBLE PUMPING FOR SINGLE ACTING CYLINDER)	PM50
02	Con soffietto (With rubber protection)	P
	Senza rubinetto di scarico con valvola di massima (Without unloading valve With relief valves)	WRV
	Senza rubinetto di scarico (Without unloading valve)	W
	Con joystick (With joystick)	J
	Con leva di scarico Ø 27 mm (With unloading lever Ø 1.06 inch)	L
	Con rubinetto di scarico e valvola di massima (With unloading and relief valves)	RRV

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



LA POMPA VIENE FORNITA CON LEVA DI AZIONAMENTO L=600 mm

THE PUMP IS SUPPLIED WITH ACTING LEVER 23,6 inch LONG



DATI TECNICI / TECHNICAL DATA

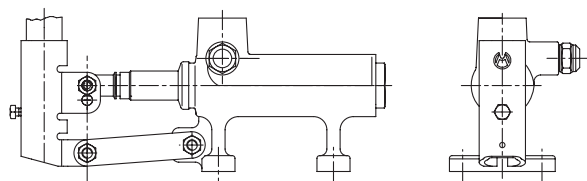
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F

È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

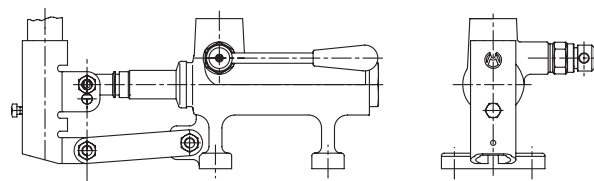
TIPO TYPE	CILINDRATA (cm³) DISPLACEMENT (in³)	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PM50	50 (3.05)	80 (1160)	280 (4060)	4,2 (9.25)

WRV

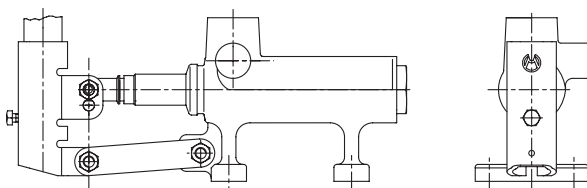


Valvola di massima **Molla 40/350 bar** **Taratura Standard 100 bar**
Relief valve **Spring 580/5075 PSI** **Standard Setting 1450 PSI**

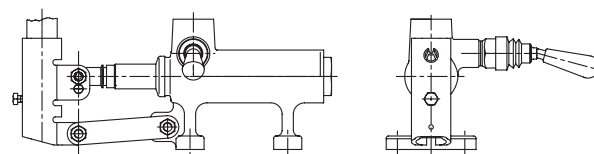
L



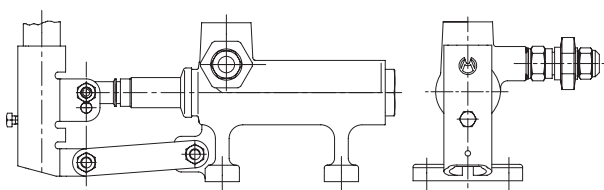
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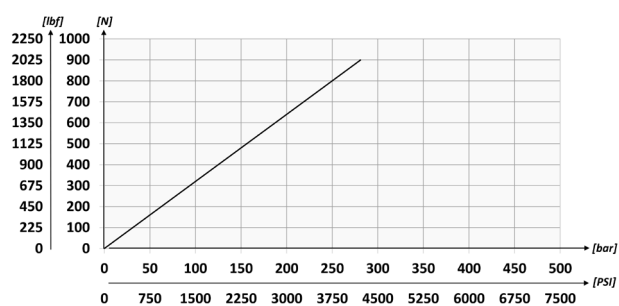
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PRV



SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER



PM70

POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO
DOUBLE PUMPING HAND PUMPFOR SINGLE ACTING CYLINDER



CODICE ORDINAZIONE ORDERING CODE

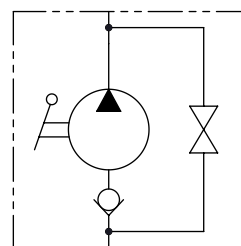
01

02

PM70

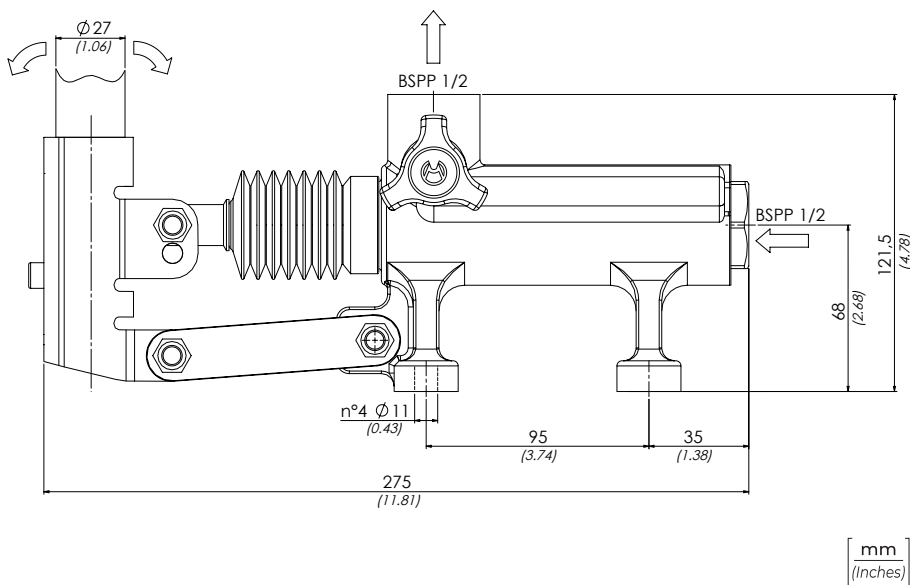
01	POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO (DOUBLE PUMPING HAND PUMPFOR SINGLE ACTING CYLINDER)		PM70
02	OPTIONAL	Con soffiETTO (With rubber protection)	P
		Senza rubinetto di scarico con valvola di massima (Without unloading valve With relief valves)	WRV
		Senza rubinetto di scarico (Without unloading valve)	W
		Con joystick (With joystick)	J
		Con leva di scarico Ø 27 mm (With unloading lever Ø 1.06 inch)	L
		Con rubinetto di scarico e valvola di massima (With unloading and relief valves)	RRV

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



LA POMPA VIENE FORNITA CON LEVA DI AZIONAMENTO L=600 mm

THE PUMP IS SUPPLIED WITH ACTING LEVER 23,6 inch LONG



DATI TECNICI / TECHNICAL DATA

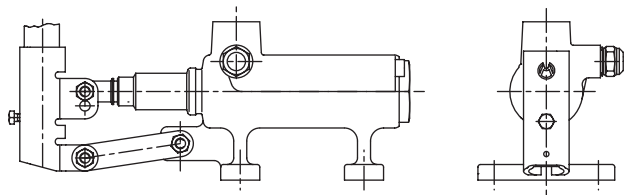
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F

È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

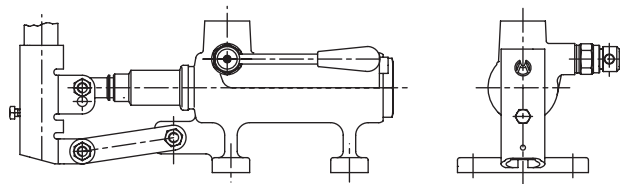
TIPO TYPE	CILINDRATA (cm ³) DISPLACEMENT (in ³)	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PM70	70 (4.27)	50 (725)	200 (2900)	5,6 (12.34)

WRV

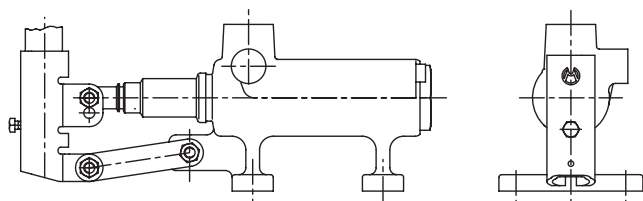


Valvola di massima **Molla 40/350 bar** **Taratura Standard 100 bar**
 Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

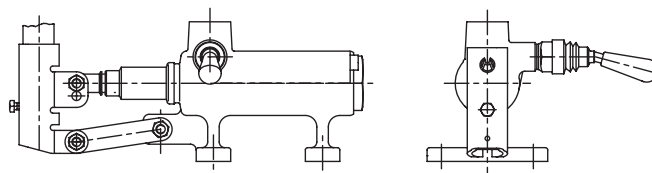
L



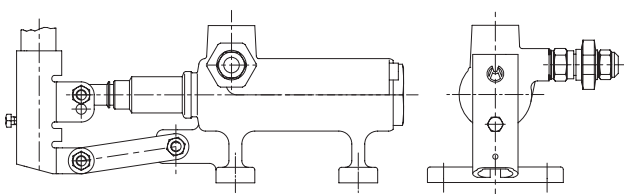
W



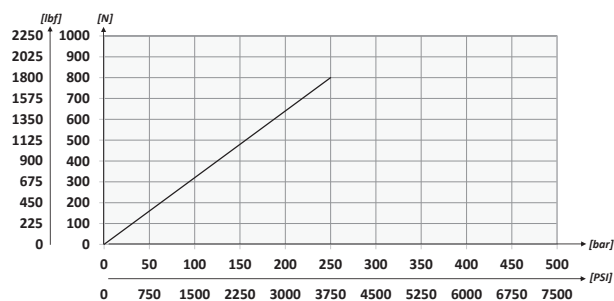
J



PRV



SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER

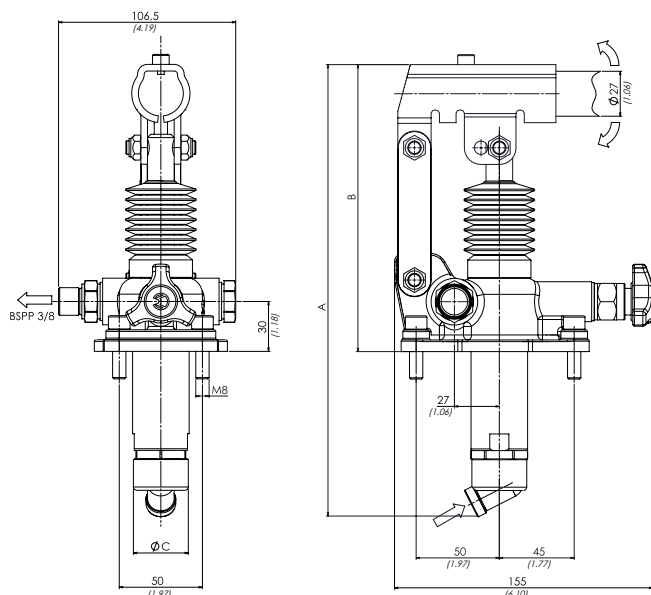
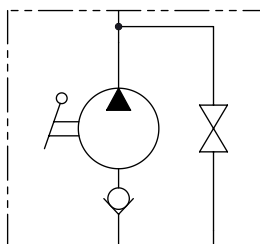




LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO L=600 mm

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



[mm]
[inches]

CODICE ORDINAZIONE ORDERING CODE

01 02 03

PMS

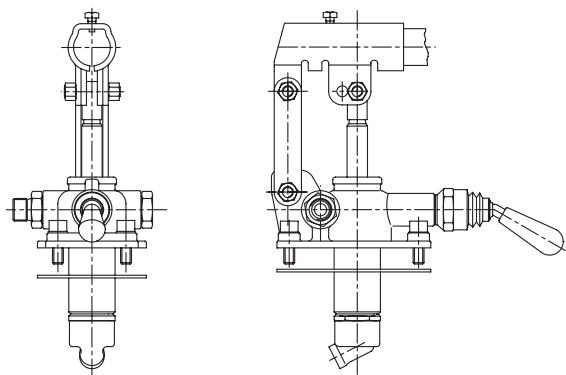
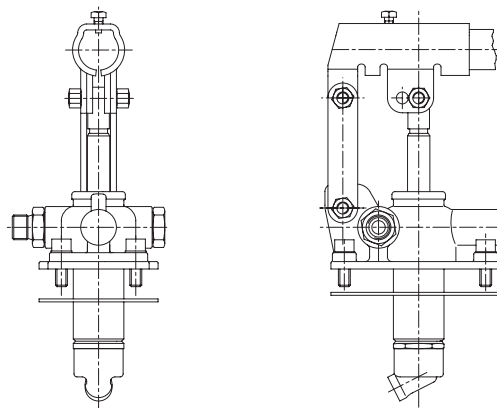
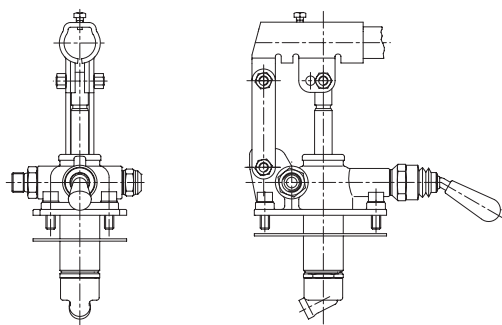
01	POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO (DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)				PMS
02	CILINDRATA (DISPLACEMENT)	A	B	C	
	6 cm ³ (0.37 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm ³ (2.75 in ³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	Con soffietto (With rubber protection)			P
		Senza rubinetto di scarico con valvola di massima (Without unloading valve With relief valves)			WRV
		Senza rubinetto di scarico (Without unloading valve)			W
		Con joystick (With joystick)			J
		Con leva di scarico Ø 27 mm (With unloading lever Ø 1.06 inch)			L
		Con valvola di massima pressione (With relief valves)			RV
		Con joystick e valvola di massima pressione (With joystick and relief valve)			JRV
		Con leva di scarico e valvola di massima pressione (With unloading lever and relief valves)			LRV

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PMS6	420 (6090)	500 (7250)	3,7 (8.15)
PMS12	220 (3190)	380 (5510)	
PMS25	120 (1740)	350 (5075)	
PMS45	80 (1160)	280 (4060)	

DATI TECNICI / TECHNICAL DATA

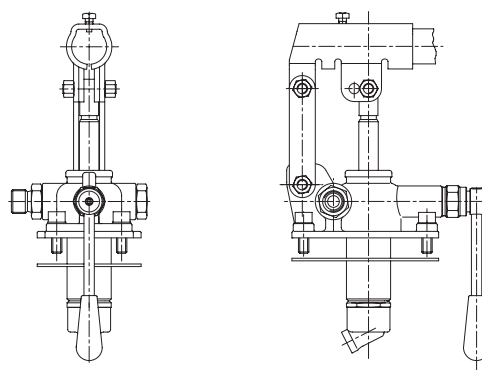
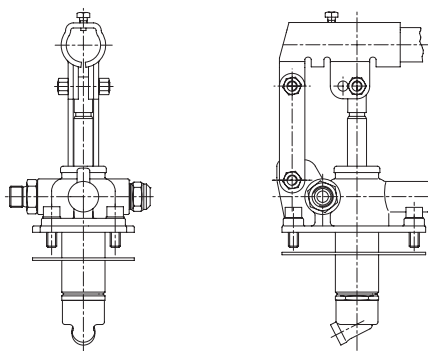
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			

J**W****JRV**

Valvola di massima
Relief valve

Molla 40/350 bar
Spring 580/5075 PSI

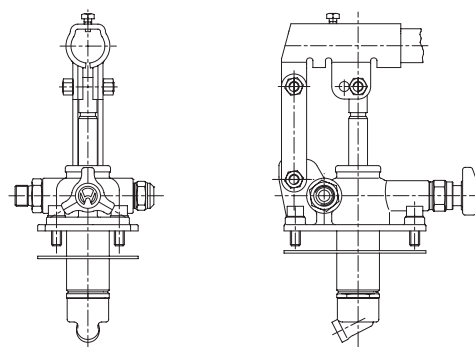
Taratura Standard 100 bar
Standard Setting 1450 PSI

L**WRV**

Valvola di massima
Relief valve

Molla 40/350 bar
Spring 580/5075 PSI

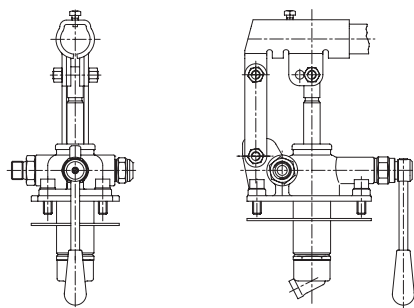
Taratura Standard 100 bar
Standard Setting 1450 PSI

RV

Valvola di massima
Relief valve

Molla 40/350 bar
Spring 580/5075 PSI

Taratura Standard 100 bar
Standard Setting 1450 PSI

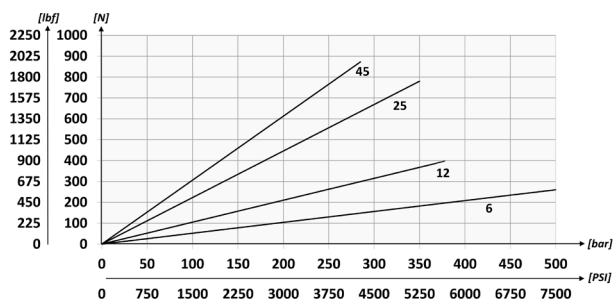
LRV

Valvola di massima
Relief valve

Molla 40/350 bar
Spring 580/5075 PSI

Taratura Standard 100 bar
Standard Setting 1450 PSI

SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER

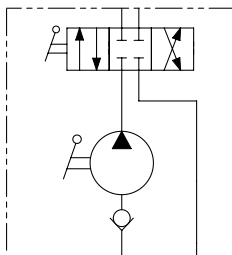




**LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO L=600 mm**

**THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG**

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



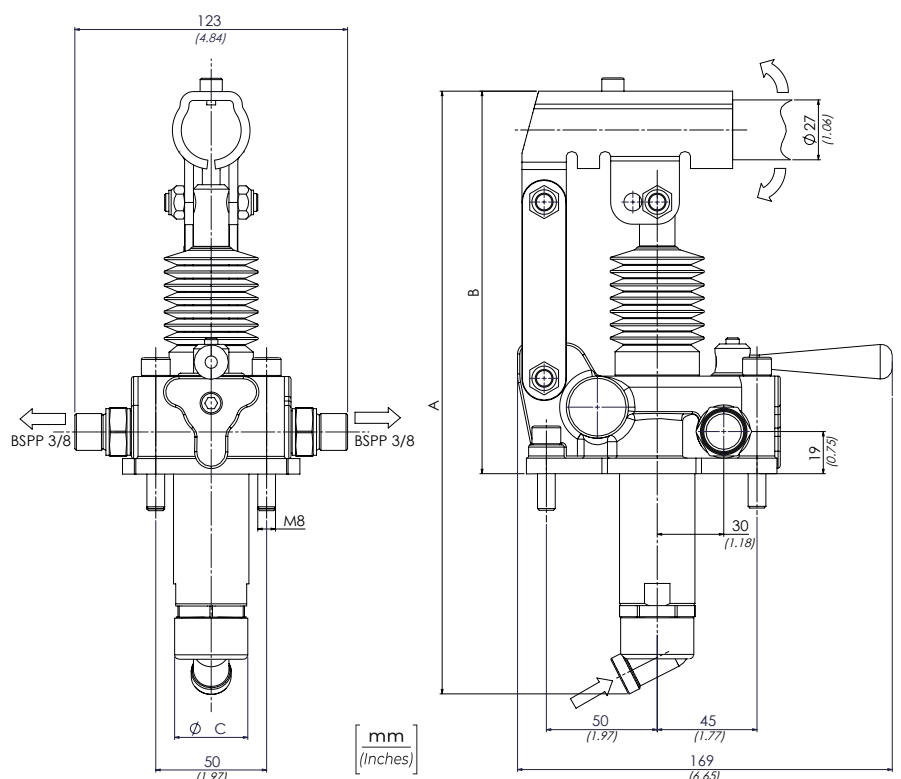
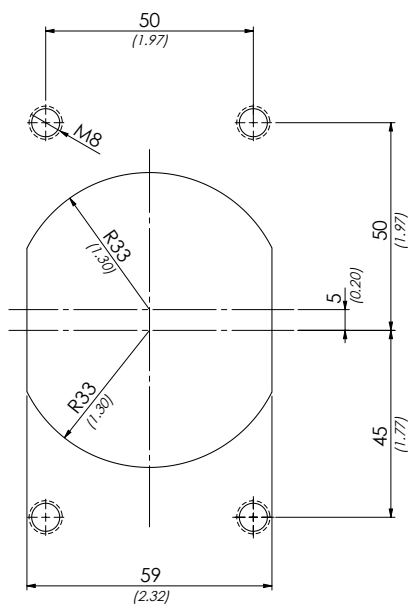
CODICE ORDINAZIONE
ORDERING CODE

01	02	03
PMI		

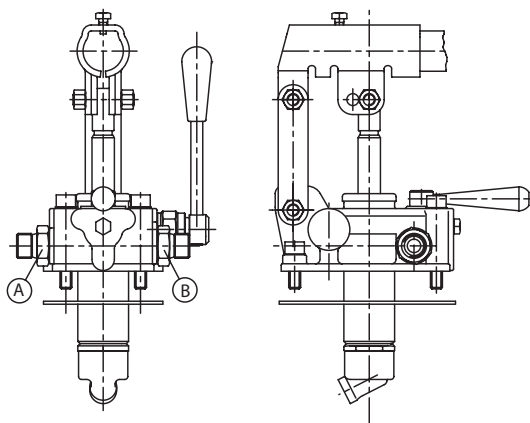
01	POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A DOPPIO EFFETTO - CENTRO CHIUSO (DOUBLE PUMPING HAND PUMP FOR DOUBLE ACTING CYLINDER - CLOSED CENTER)				PMI
02	CILINDRATA (DISPLACEMENT)	A	B	C	
	6 cm³ (0.37 in³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm³ (0.73 in³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm³ (1.53 in³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm³ (2.75 in³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	Con soffietto (With rubber protection)			P
		Con leva di scarico Ø 27 mm (With unloading lever Ø 1.06 inch)			L
		Con valvola di massima pressione (With relief valves)			RV
		Con leva di scarico e valvola di massima pressione (With unloading lever and relief valves)			LRV

DATI TECNICI / TECHNICAL DATA

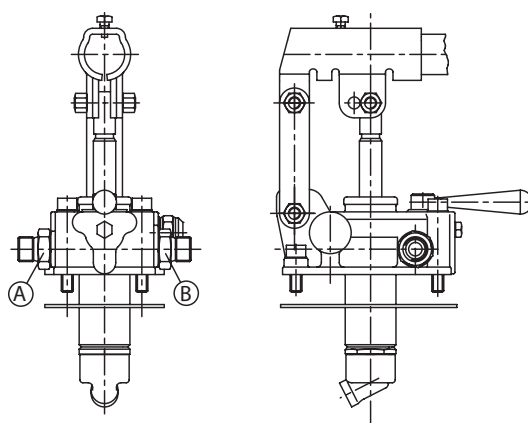
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		



L

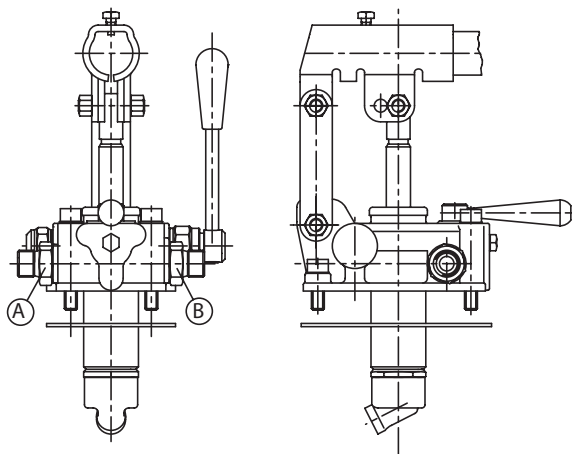


RV



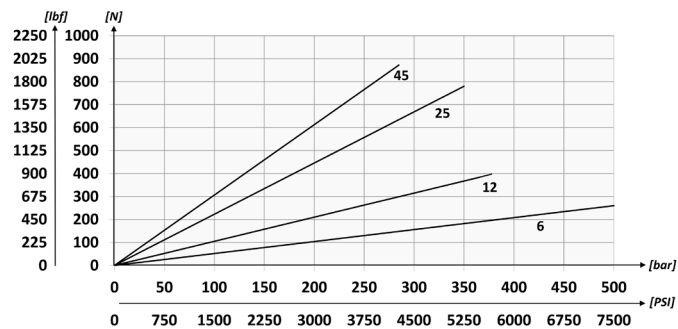
Valvola di massima Molla 40/350 bar Taratura Standard 100 bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

LRV



Valvola di massima Molla 40/350 bar Taratura Standard 100 bar
Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	PESO APPROX APPROX WEIGHT kg-lbt
PMI6	420 (6090)	500 (7250)	4,20 (9.25)
PMI12	220 (3190)	380 (5510)	
PMI25	120 (1740)	350 (5075)	
PMI45	80 (1160)	280 (4060)	



LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO Ø 27 MM L=600 mm

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER Ø 1,06 INCH 23 inch LONG

CODICE ORDINAZIONE
ORDERING CODE

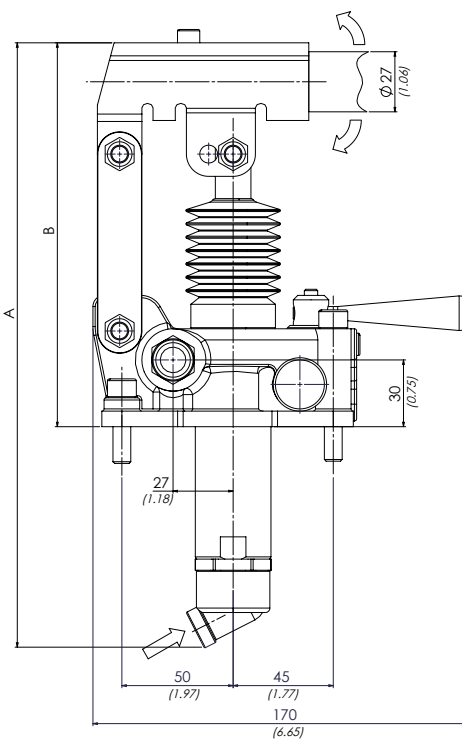
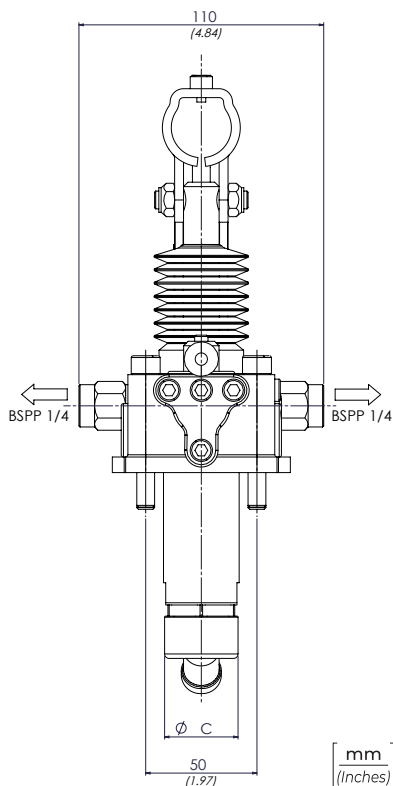
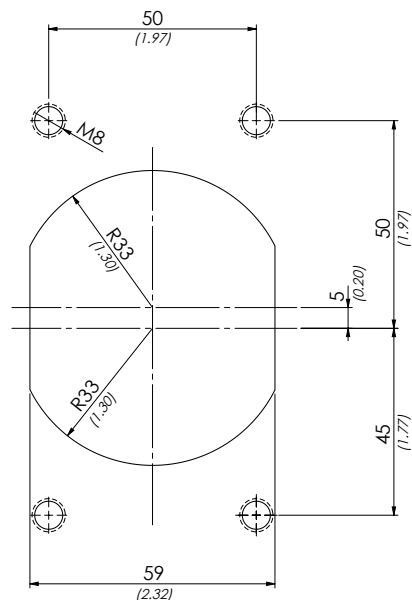
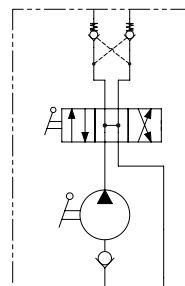
01	02	03
PMT		

01	POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A DOPPIO EFFETTO CON VALVOLE DI BLOCCO (DOUBLE PUMPING HAND PUMP WITH CHECK VALVES FOR DOUBLE ACTING CYLINDER)				PMT
02	CILINDRATA (DISPLACEMENT)	A	B	C	
	6 cm ³ (0.37 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm ³ (2.75 in ³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	Con soffietto (With rubber protection)			P
		Con valvola di massima pressione su A e B (With relief valves on A and B)			RVAB
		Con valvola di massima pressione su B (With relief valves on B)			RVB

DATI TECNICI / TECHNICAL DATA

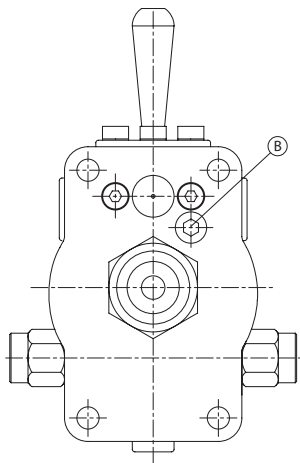
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



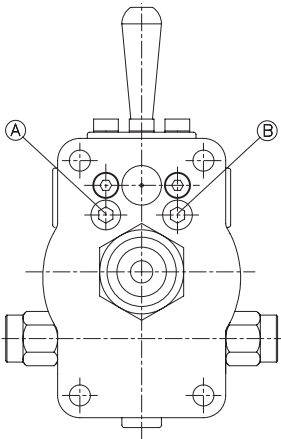
mm
(Inches)

RVB



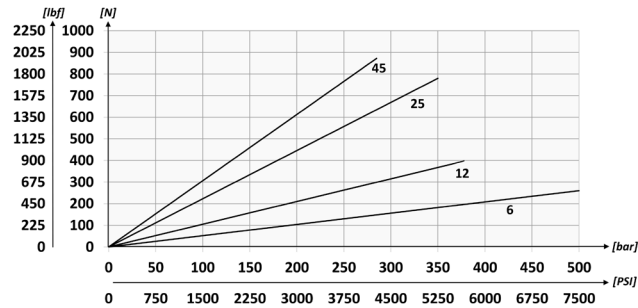
Valvola di massima **Molla 40/350 bar** **Taratura Standard 100 bar**
Relief valve **Spring 580/5075 PSI** **Standard Setting 1450 PSI**

RVAB



Valvola di massima **Molla 40/350 bar** **Taratura Standard 100 bar**
Relief valve **Spring 580/5075 PSI** **Standard Setting 1450 PSI**

SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PMT6	420 (6090)	500 (7250)	4,20 (9.25)
PMT12	220 (3190)	380 (5510)	
PMT25	120 (1740)	350 (5075)	
PMT45	80 (1160)	280 (4060)	



LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO L=600 mm

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

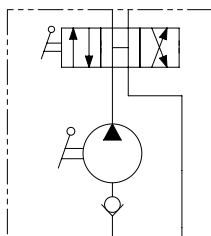
CODICE ORDINAZIONE
ORDERING CODE

01 02 03

PMA

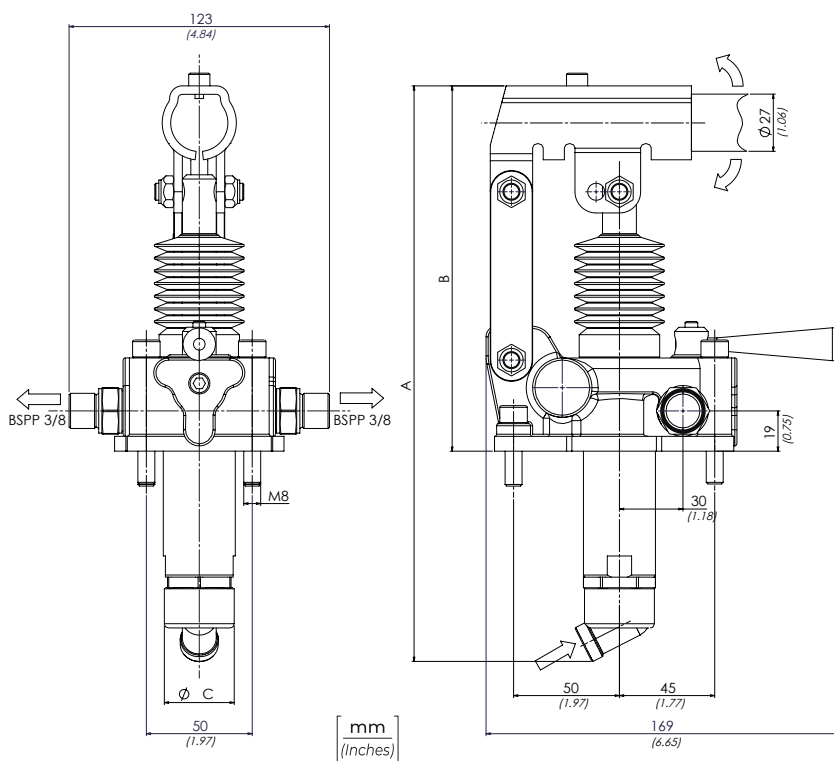
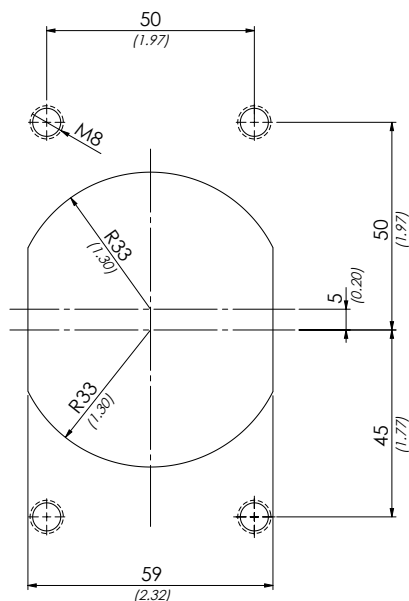
01	POMPA A MANO DOPPIO POMPAGGIO PER CILINDRO A DOPPIO EFFETTO - CENTRO APERTO (DOUBLE PUMPING HAND PUMP FOR DOUBLE ACTING CYLINDER - OPEN CENTER)				PMA
	CILINDRATA (DISPLACEMENT)	A	B	C	
02	6 cm ³ (0.37 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	6
	12 cm ³ (0.73 in ³)	253 (9.96)	166 (6.54)	34 (1.34)	12
	25 cm ³ (1.53 in ³)	273 (10.75)	172 (6.77)	34 (1.34)	25
	45 cm ³ (2.75 in ³)	283 (11.14)	172 (6.77)	40 (1.57)	45
03	OPTIONAL	Con soffiutto (With rubber protection)			P
		Con leva di scarico Ø 27 mm (With unloading lever Ø 1.06 inch)			L
		Con valvola di massima pressione su A e B (With relief valves on A and B)			RV
		Con leva di scarico e valvola di massima pressione (With unloading lever and relief valves)			LRV

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

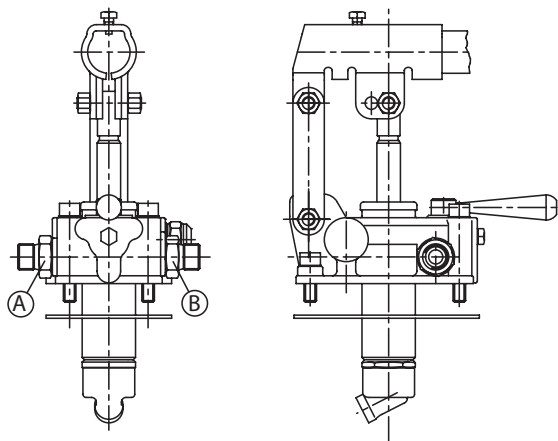


DATI TECNICI / TECHNICAL DATA

Olío idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

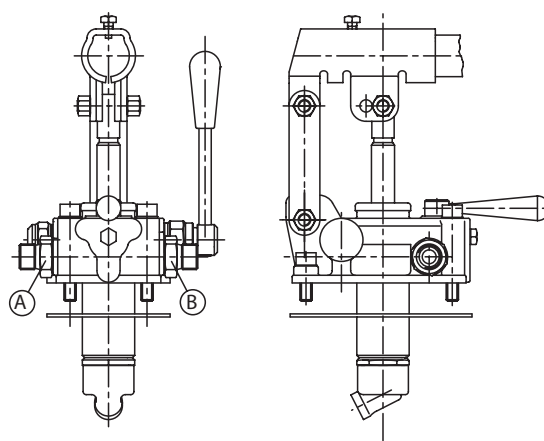


RV



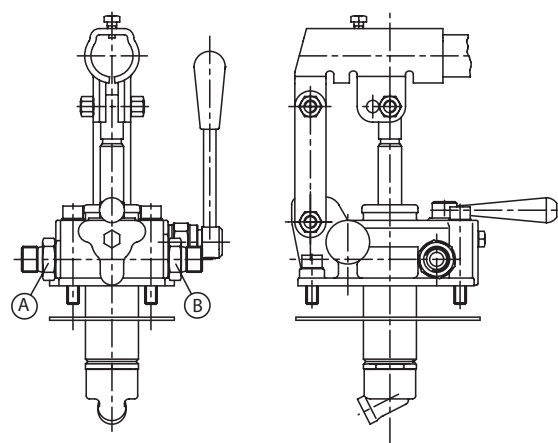
Valvola di massima **Molla 40/350 bar** **Taratura Standard 100 bar**
 Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

LRV

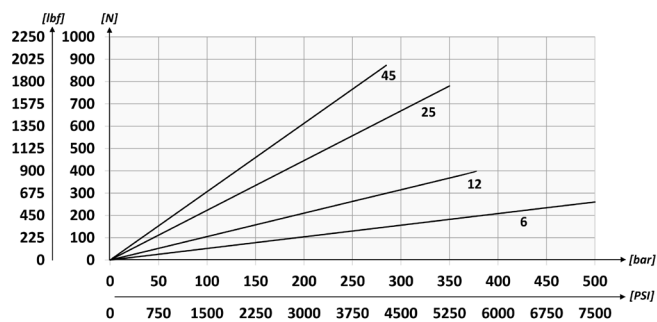


Valvola di massima **Molla 40/350 bar** **Taratura Standard 100 bar**
 Relief valve Spring 580/5075 PSI Standard Setting 1450 PSI

L



SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX (bar) MAX PRESSURE (PSI)	PESO APPROX (kg) APPROX WEIGHT (lbt)
PMA6	420 (6090)	500 (7250)	4,20 (9.25)
PMA12	220 (3190)	380 (5510)	
PMA25	120 (1740)	350 (5075)	
PMA45	80 (1160)	280 (4060)	



CODICE ORDINAZIONE ORDERING CODE

01 02 03

PME1

01	POMPA A MANO SINGOLO POMPAGGIO VERSO IL BASSO PER CILINDRO A SEMPLICE EFFETTO (SINGLE DOWNWARD PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)		PME1
02	CILINDRATA (DISPLACEMENT)	8 cm ³ (0.49 in ³)	8
		15 cm ³ (0.92 in ³)	15
03	OPTIONAL	Con soffietto (With rubber protection)	P
		Senza rubinetto di scarico con valvola di massima (Without unloading valve With relief valves)	WRV
		Senza rubinetto di scarico (Without unloading valve)	W
		Con valvola di massima pressione (With relief valves)	RV

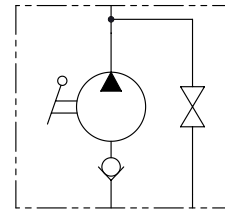
LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO

+ LEVA DI AZIONAMENTO Ø 20 MM L=500 mm

LA MANDATA LA SI OTTIENE SOLAMENTE
AZIONANDO LA LEVA VERSO IL BASSO

THE PUMP IS SUPPLIED WITH SHAPED SEAL,
FIXING SCREWS AND ACTING LEVER Ø 0.79 17,7 inch LONG.
OIL FLOW LEVER ACTION DOWNWARDS ONLY

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

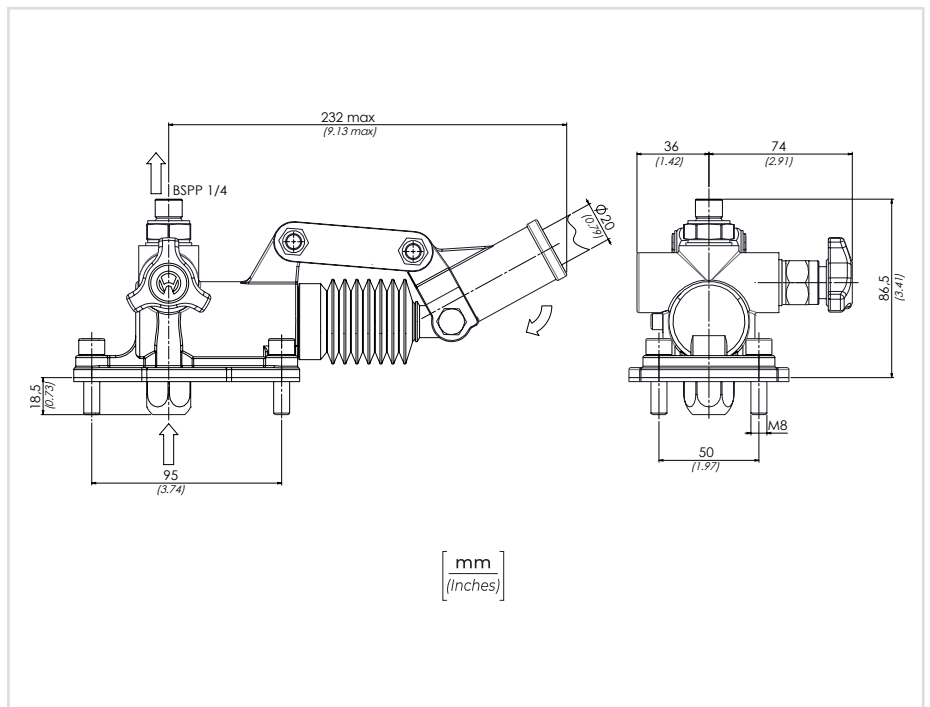
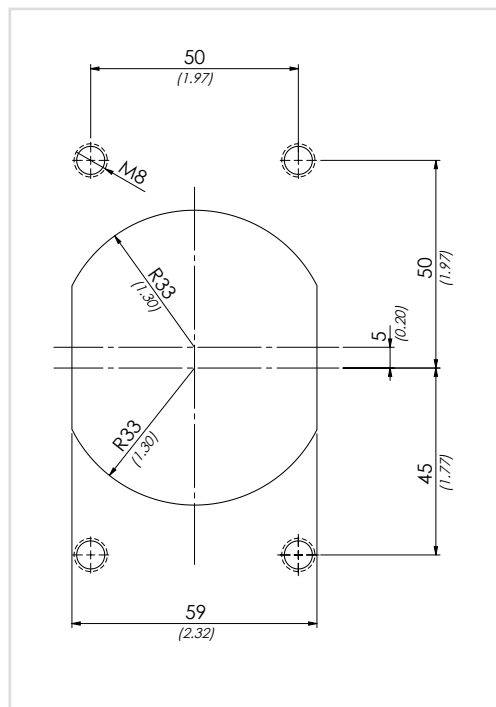


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PME18	180 (2610)	380 (5510)	2,9 (6.39)
PME115	110 (1595)	350 (5075)	

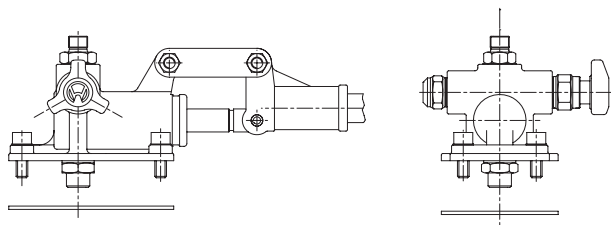
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

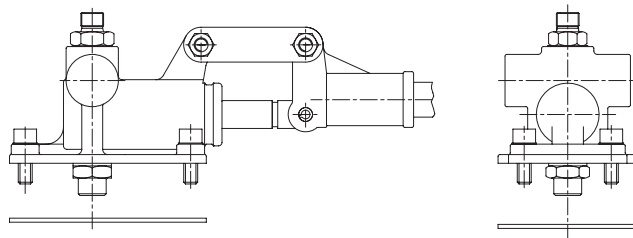


[mm]
[inches]

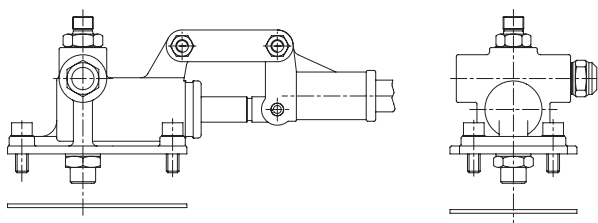
RW



W



WRV

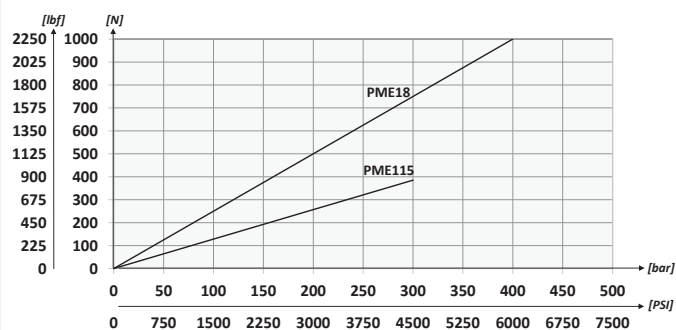


Valvola di massima
Relief valve

Molla 40/350 bar
Spring 580/5075 PSI

Taratura Standard 100 bar
Standard Setting 1450 PSI

SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER

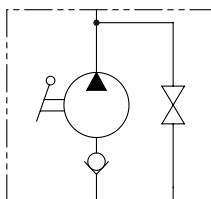




LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO L=500 mm
LA MANDATA LA SI OTTIENE SOLAMENTE AZIONANDO LA LEVA VERSO IL BASSO

THE PUMP IS SUPPLIED WITH SHAPED SEAL,
FIXING SCREWS AND ACTING LEVER 17,7 inch LONG.
OIL FLOW LEVER ACTION DOWNWARDS ONLY

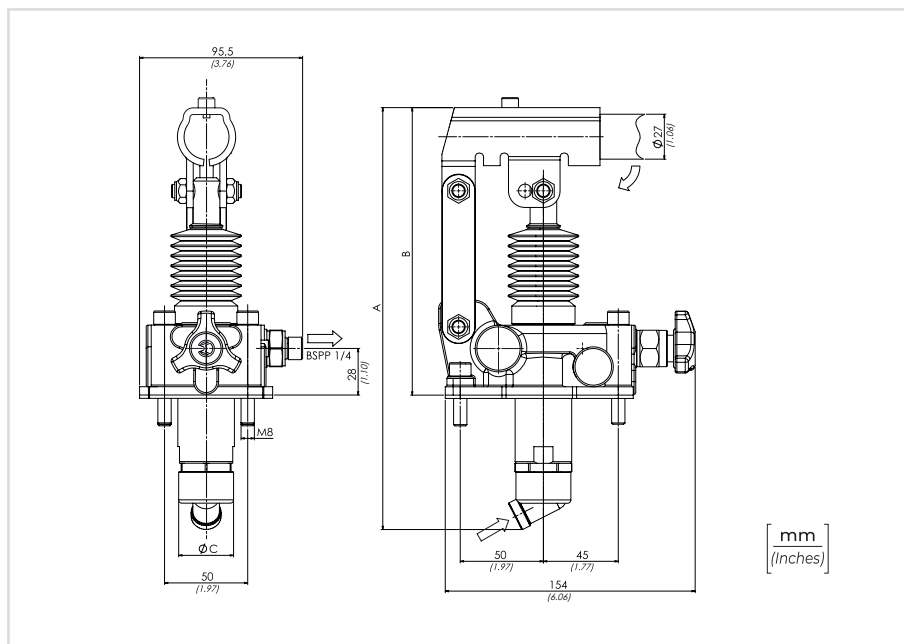
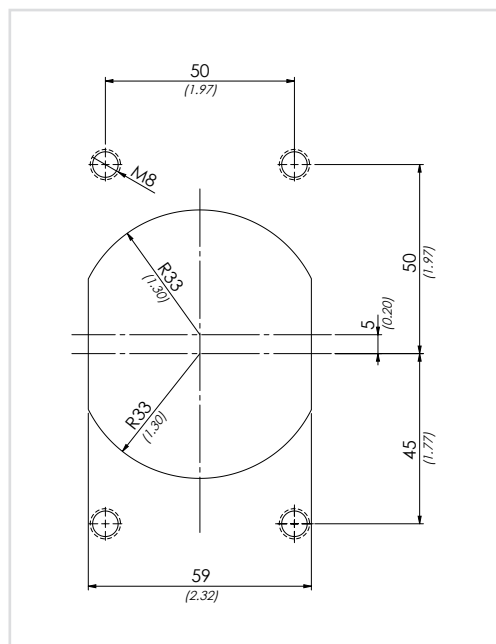
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



CODICE ORDINAZIONE ORDERING CODE

01	02	03
PME2		

01	POMPA A MANO SINGOLO POMPAGGIO VERSO IL BASSO PER CILINDRO A SEMPLICE EFFETTO (SINGLE DOWNWARD PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)				PME2
02	CILINDRATA (DISPLACEMENT)	A	B	C	
	20 cm ³ (1.22 in ³)	249 (9.80)	167 (6.57)	34 (1.33)	20
	30 cm ³ (1.83 in ³)	252 (9.92)	167 (6.57)	34 (1.33)	30
	40 cm ³ (2.44 in ³)	252 (9.92)	167 (6.57)	40 (1.57)	40
03	OPTIONAL	Con soffietto (With rubber protection)			P
		Senza rubinetto di scarico con valvola di massima (Without unloading valve With relief valves)			WRV
		Senza rubinetto di scarico (Without unloading valve)			W
		Con leva di scarico (With unloading lever)			L
		Con valvola di massima pressione (With relief valves)			RV
		Con leva di scarico e valvola di massima pressione (With unloading lever and relief valves)			LRV



[mm
(Inches)]

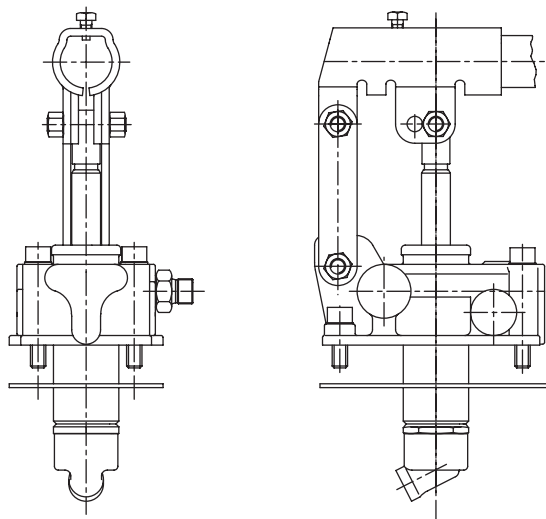
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

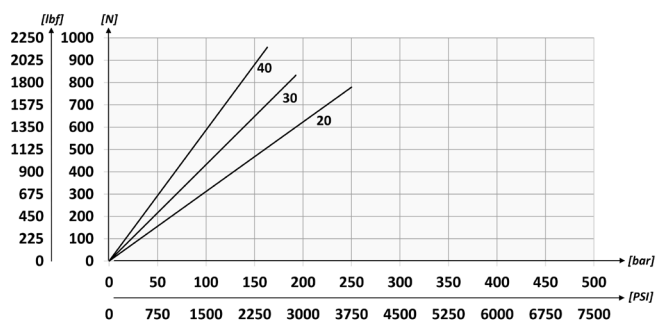
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
PME220	80 (1160)	240 (3480)	4,2 (9.2)
PME230	60 (870)	185 (2683)	
PME240	40 (580)	160 (2320)	

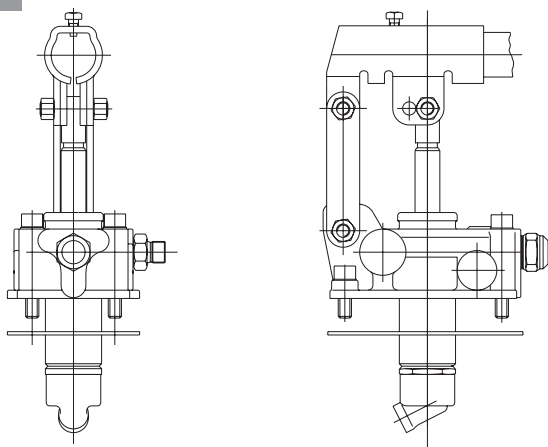
W



SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA
EFFORT OPERATING AT THE END OF THE LEVER

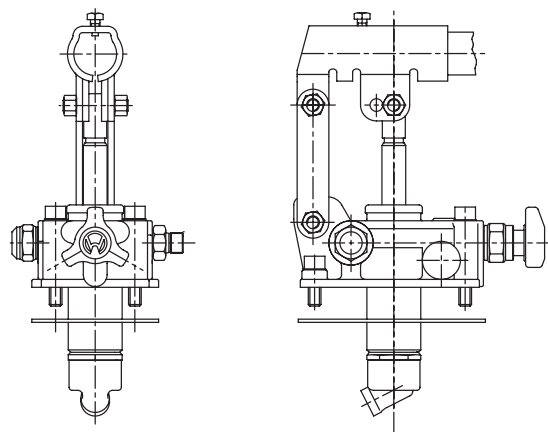


WRV



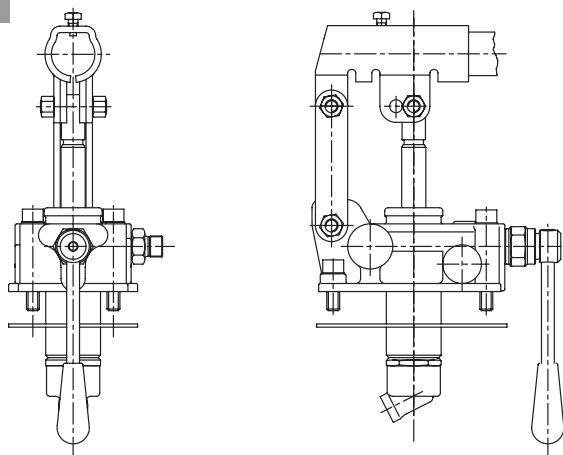
Valvola di massima Relief valve
Molla 40/350 bar Spring 580/5075 PSI
Taratura Standard 100 bar Standard Setting 1450 PSI

RV

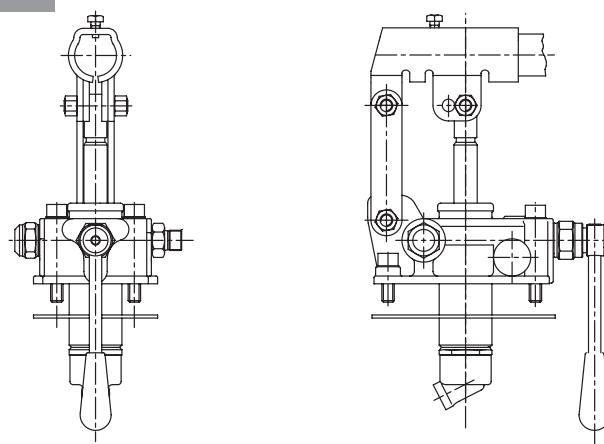


Valvola di massima Relief valve
Molla 40/350 bar Spring 580/5075 PSI
Taratura Standard 100 bar Standard Setting 1450 PSI

L



LRV



Valvola di massima Relief valve
Molla 40/350 bar Spring 580/5075 PSI
Taratura Standard 100 bar Standard Setting 1450 PSI



LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO L=500 mm

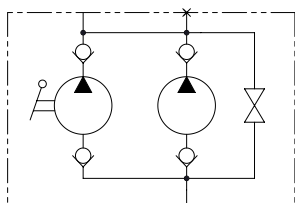
THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 19.7 inch LONG

CODICE ORDINAZIONE ORDERING CODE

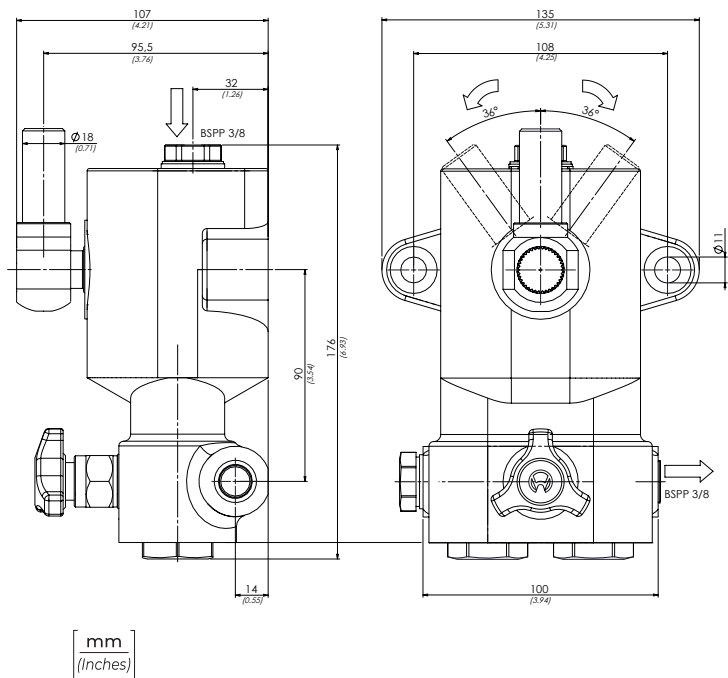
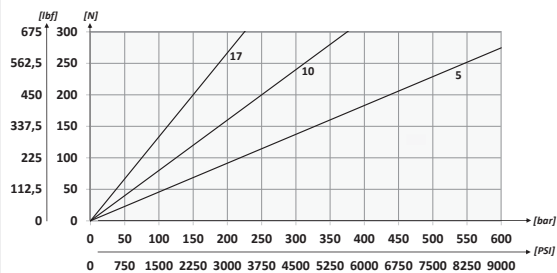
01	02	03
PMD		

01	POMPA A MANO SEMPLICE EFFETTO DOPPIO POMPANTE (SINGLE ACTING HAND PUMP WITH DOUBLE CYLINDER)	PMD
02	CILINDRATA (DISPLACEMENT)	5
		10
		17
03	OPTIONAL	Senza rubinetto di scarico (Without unloading valve) W

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA EFFORT OPERATING AT THE END OF THE LEVER



DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE OTTIMALE OPTIMAL PRESSURE bar-PSI	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt	CILINDRATA (cm³) DISPLACEMENT (in³)
PMD5	500 (7250)	500 (7250)	5,7 (12.56)	5 (0.31)
PMD10	250 (3625)	250 (3625)		10 (0.61)
PMD17	150 (2175)	150 (2175)		17 (1.04)

PME3

POMPA A PEDALE FOOT PUMP

CODICE ORDINAZIONE
ORDERING CODE

01

PME3



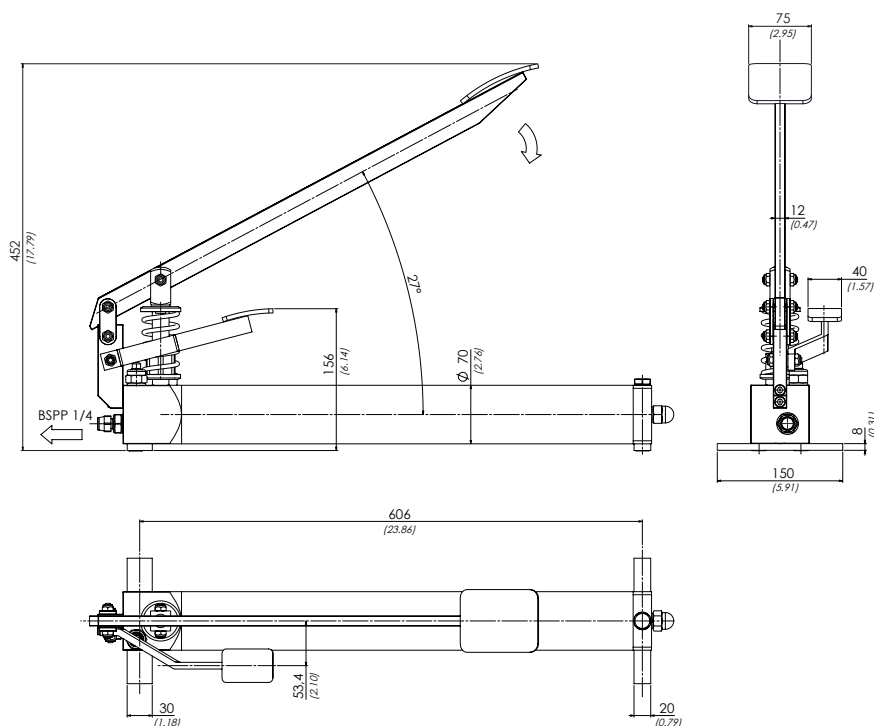
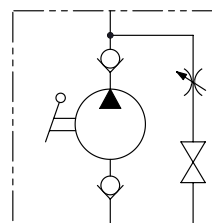
01

POMPA A PEDALE
(FOOT PUMP)

PME3

Serbatoio lt. 1,5
(Reservoir lt. 1.5)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



mm
(inches)

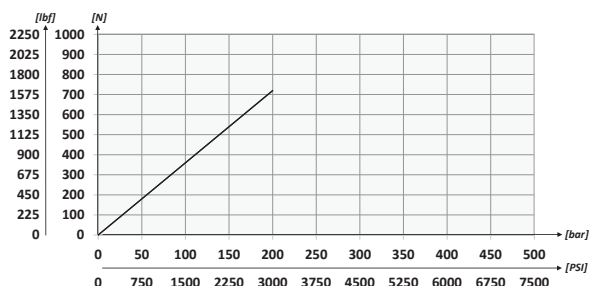
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lb	CILINDRATA (cm ³) DISPLACEMENT (in ³)
PME3	220 (3190)	10,40 (22.92)	14 (0.85)

SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA EFFORT OPERATING AT THE END OF THE LEVER



PME580

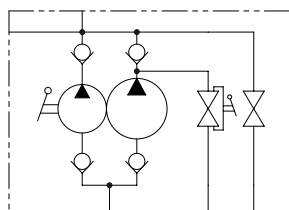
POMPA A MANO 2 VELOCITÀ DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO
2 SPEEDS DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER



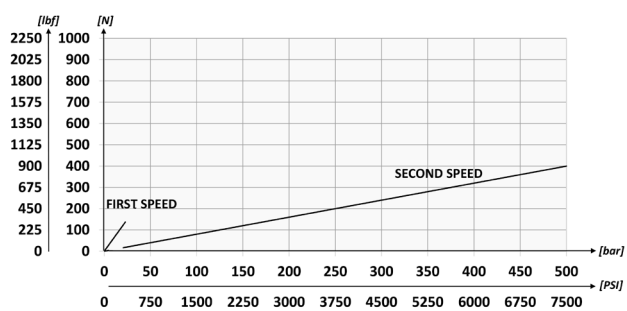
LA POMPA VIENE FORNITA CON GUARNIZIONE SAGOMATA
+ VITI DI FISSAGGIO + LEVA DI AZIONAMENTO L=600 mm

THE PUMP IS SUPPLIED WITH SHAPED SEAL, FIXING SCREWS
AND ACTING LEVER 23.6 inch LONG

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



SFORZO ESERCITATO ALL'ESTREMITÀ DELLA LEVA EFFORT OPERATING AT THE END OF THE LEVER



DATI TECNICI / TECHNICAL DATA

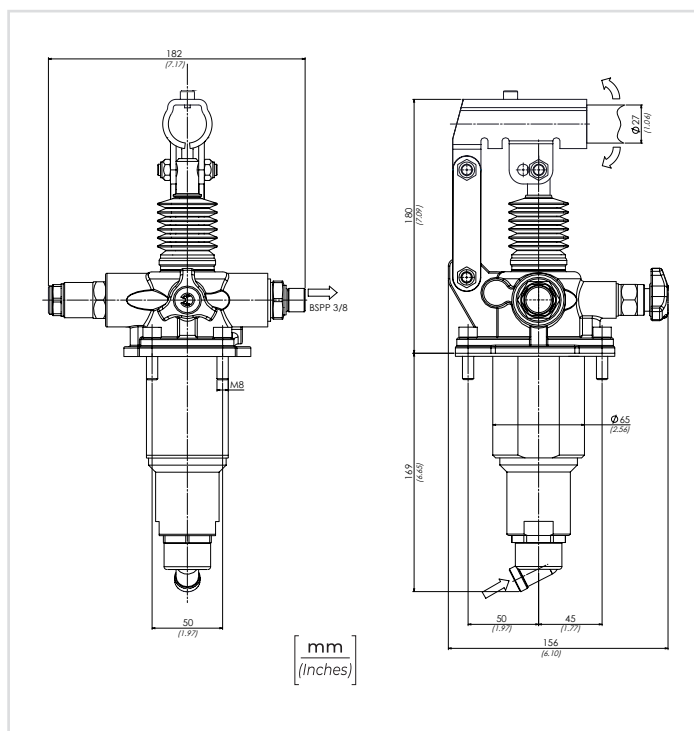
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F	
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F	

È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm)
It is necessary a filter use to protect the valve (advised filtration 15 µm)

CODICE ORDINAZIONE ORDERING CODE

01	02
PME580	

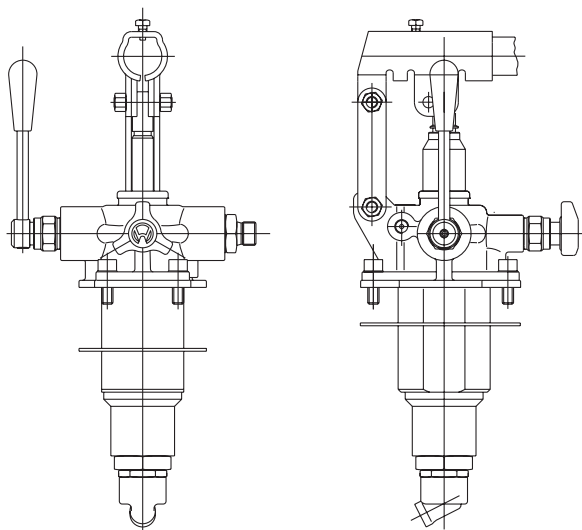
01	POMPA A MANO 2 VELOCITÀ DOPPIO POMPAGGIO PER CILINDRO A SEMPLICE EFFETTO (2 SPEEDS DOUBLE PUMPING HAND PUMP FOR SINGLE ACTING CYLINDER)		PME580
02	OPTIONAL	Con soffietto (With rubber protection)	P
		Con predisposizione manometro (With arrangement for gauge)	18
		Con valvola di massima e predisposizione manometro (With relief valves and arrangement for gauge)	X18
		Con comando automatico (With automatic device)	CA
		Con comando automatico e predisposizione manometro (With automatic device and arrangement for gauge)	CA18
		Con comando automatico e valvola di massima (With automatic device and relief valve)	CARV
		Con comando automatico, valvola di massima e predisposizione manometro (With automatic device, relief valve and arrangement for gauge)	CARV18



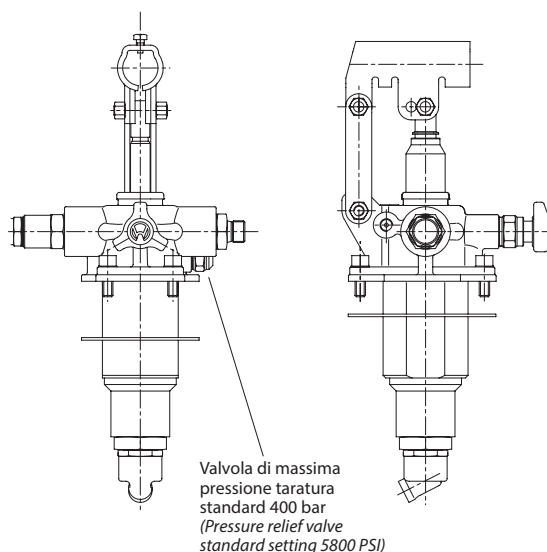
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	PRESSIONE MAX 1 STADIO MAX PRESSURE 1 STAGE bar-PSI	PRESSIONE MAX 2 STADIO MAX PRESSURE 2 STAGE bar-PSI	CILINDRATA 1 STADIO DISPLACEMENT 1 STAGE cm³-in³	CILINDRATA 2 STADIO DISPLACEMENT 2 STAGE cm³-in³	PESO APPROX APPROX WEIGHT kg-lbt
PME580	20 (290)	500 (7250)	80 (4.9)	5 (0.31)	6,6 (14.55)

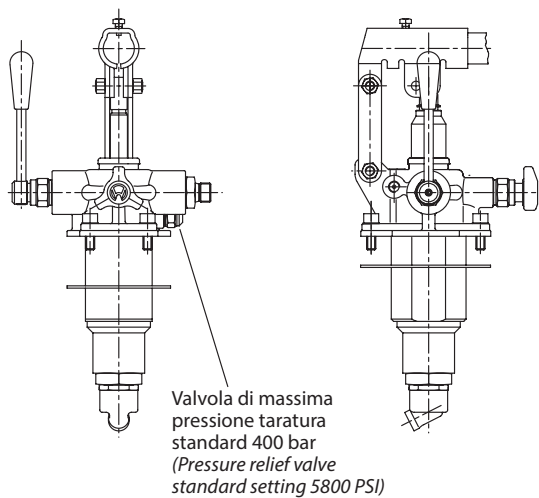
18



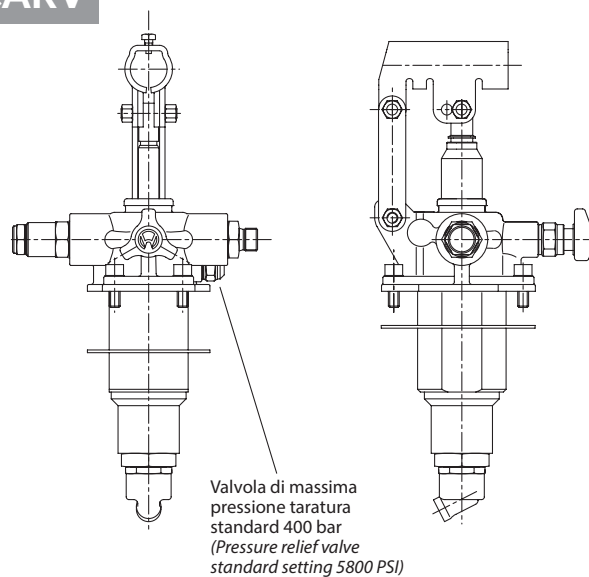
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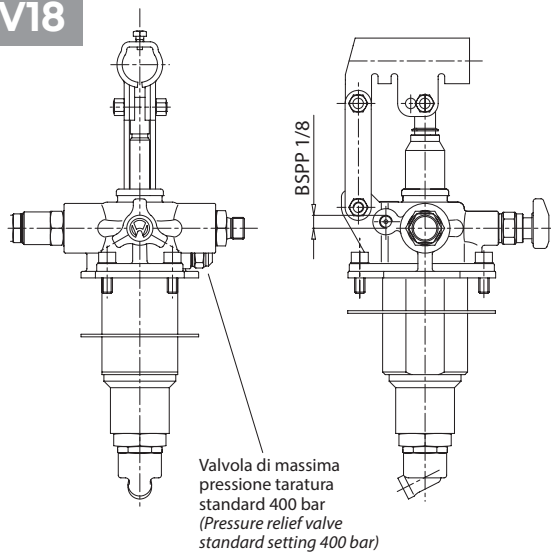
X18



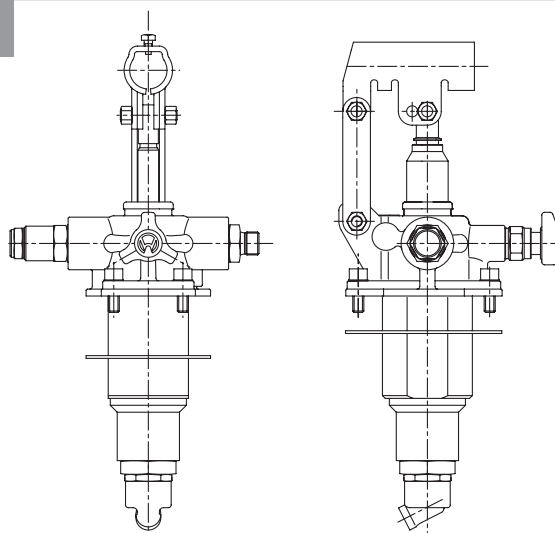
CARV



CARV18



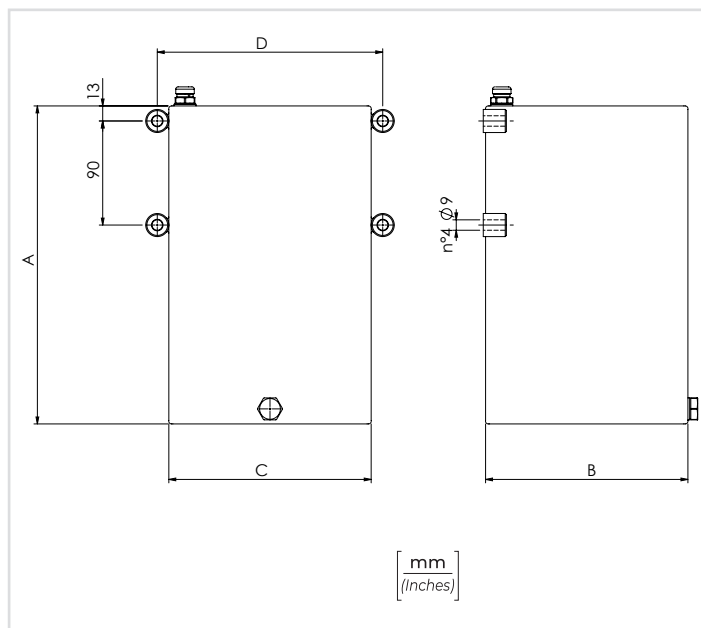
CA





SERBATOIO IN ACCIAIO, VERNICIATURA RAL9005 ANTIOILIO-NERO,
IL SERBATOIO È COMPRESIVO DI TAPPO SFIATO,
TAPPO SCARICO E TUBO PESCAGGIO

STEEL RESERVOIR, RAL9005 BLACK OIL PROOF PAINTING, THE
RESERVOIR IS INCLUDING THE BREATHER PLUGS AND DRAFT TUBE



01

CODICE ORDINAZIONE
ORDERING CODE

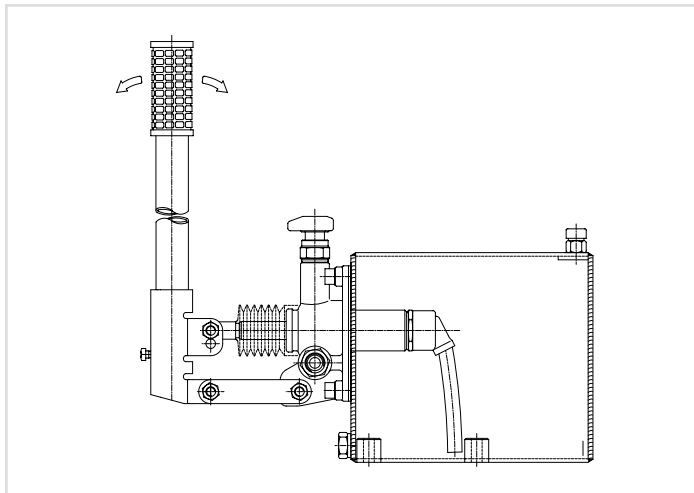
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

	TIPO TYPE	CAPACITÀ CAPACITY	A	B	C	D	PESO APPROX (kg) APPROX WEIGHT (lbt)
01	17900001	1 Lt. - 6l in. ³	120 (4.72)	150 (5.91)	100 (3.94)	120 (4.72)	2,2 (5)
	17900002	2 Lt. - 122 in. ³	185 (7.28)				2,7 (6)
	17900003	3 Lt. - 183 in. ³	255 (10.04)				3,5 (7,71)
	17900006	5 Lt. - 305 in. ³	200 (7.87)	175 (6.89)	195 (7.68)	195 (7.68)	5 (10.9)
	17900004	7 Lt. - 427 in. ³	275 (10.83)				5,5 (12.1)
	17900005	10 Lt. - 610 in. ³	380 (14.96)				7,1 (15.39)
	17900014	13 Lt. - 793 in. ³	485 (19.09)				10,75 (23.7)
	17900015	15 Lt. - 915 in. ³	600 (23.62)				12,10 (26.67)
	17900016	20 Lt. - 1220 in. ³	780 (30.71)				16 (35.26)

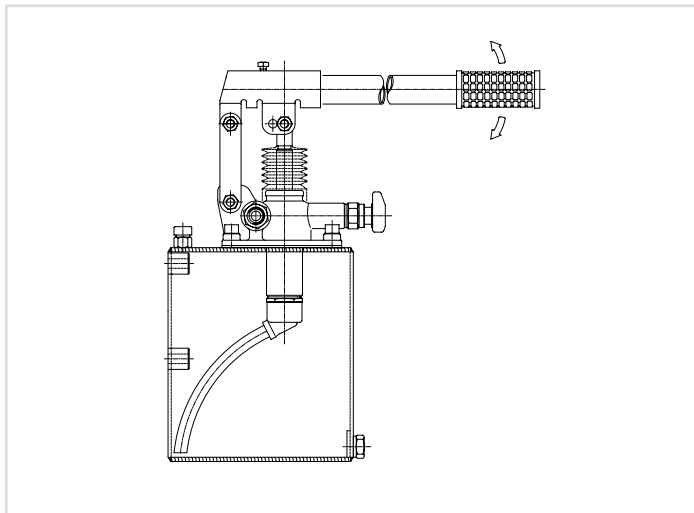
DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	

MONTAGGIO ORIZZONTALE / HORIZONTAL MOUNTING



MONTAGGIO VERTICALE / VERTICAL MOUNTING





TNA 1



TNA 2 - TNA 3 - TNA 5

SERBATOIO IN ALLUMINIO, IL SERBATOIO È COMPRENSIVO DI TAPPO SFIATO, TAPPO SCARICO E TUBO PESCAGGIO

ALUMINIUM RESERVOIR, THE RESERVOIR INCLUDES THE AIR BLEEDING PLUGS AND SUCTION TUBE

01	02
CODICE ORDINAZIONE ORDERING CODE	TNA

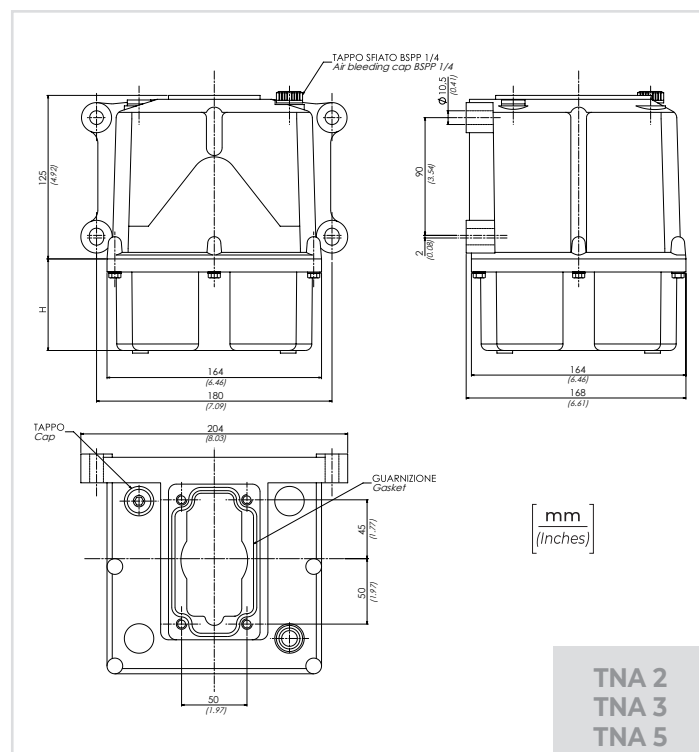
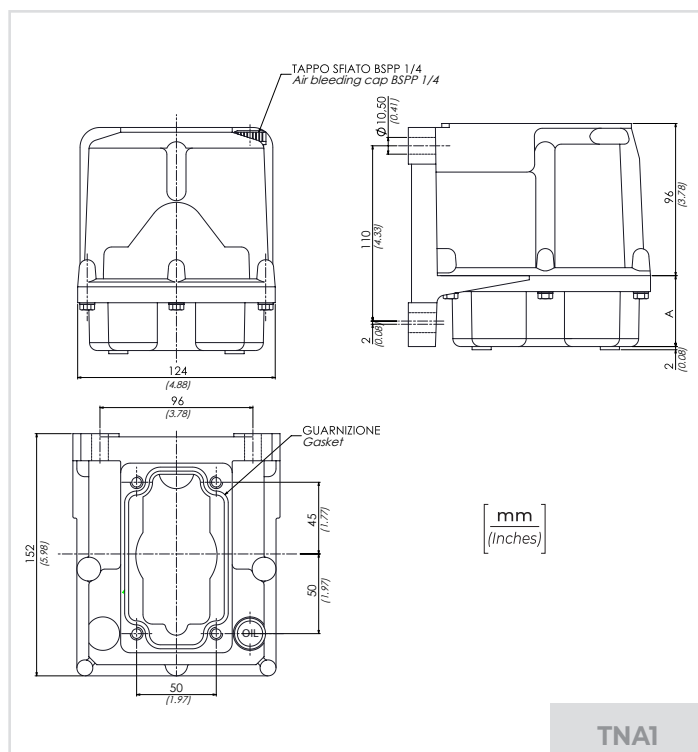
01	SERBATOI IN ALLUMINIO (ALUMINIUM RESERVOIRS)	TNA
02	CAPACITÀ (CAPACITY)	1 Lt. - 61 in. ³
		2 Lt. - 122 in. ³
		3 Lt. - 183 in. ³
		5 Lt. - 305 in. ³

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

Tipo Type	Capacità Capacity Lt./in	A	H	Peso Appross (kg) Approx weight (lb)
TNA 1	1 Lt. - 61 in. ³	40 (1.57)	/	1,1 (2.4)
TNA 2	2 Lt. - 122 in. ³	/	25 (0.98)	1,5 (3.3)
TNA 3	3 Lt. - 183 in. ³	/	70 (2.76)	1,6 (3.5)
TNA 5	5 Lt. - 305 in. ³	/	180 (7.09)	1,8 (4)

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	



FCT VALVOLE DI FINE CORSA A TRAZIONE

TUG END - STROKE VALVES

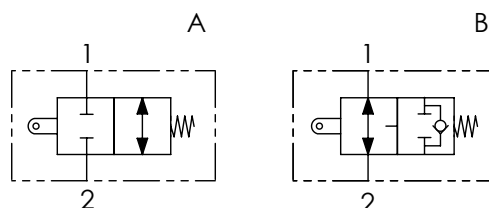


CODICE ORDINAZIONE ORDERING CODE

01	02	03
FCT		

01	VALVOLE DI FINE CORSA A TRAZIONE (TUG END - STROKE VALVES)	vpr
02	DIMENSIONE (SIZE)	BSPP 3/8
		BSPP 1/2
		BSPP 3/4
		BSPP 1
03	SCHEMA (CIRCUIT)	Centro chiuso (Closed centre)
		Centro aperto (Open centre)

SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

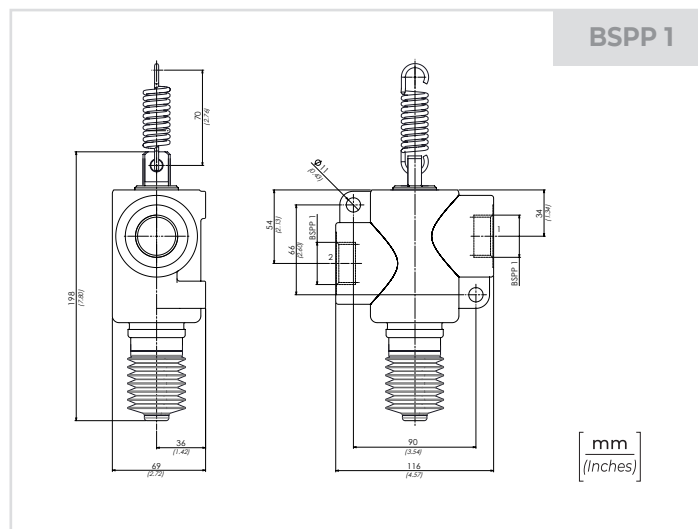
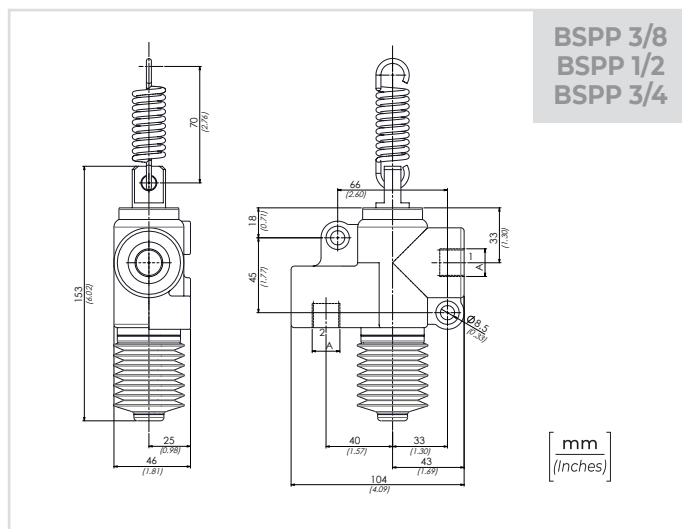


CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

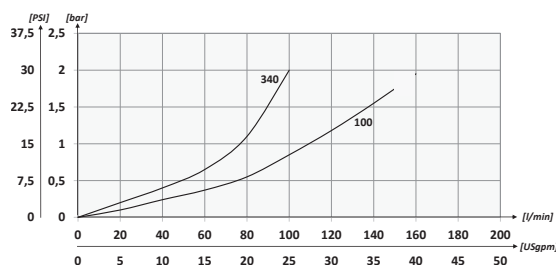
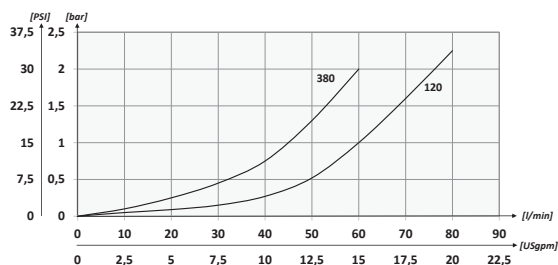
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	PESO APPROX APPROX WEIGHT kg-lbt
380	BSPP 3/8	60 (15.8)	250 (3625)	1,7 (3.7)
120	BSPP 1/2	80 (21.1)		1,8 (4)
340	BSPP 3/4	100 (26.4)		1,9 (4.1)
100	BSPP 1	140 (37)	200 (2900)	2,5 (5.5)

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	



PERFORMANCES

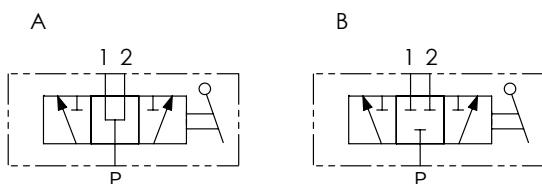


DDFA3-N

DEVIATORI DI FLUSSO A 3 VIE ALTA PRESSIONE
HIGH PRESSURE 3 WAYS FLOW DIVERTERS



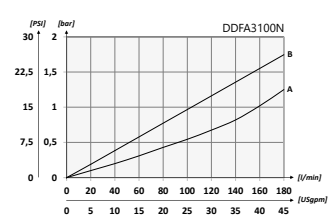
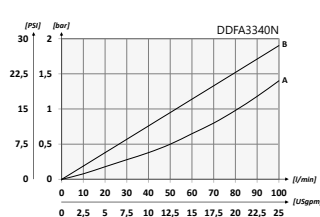
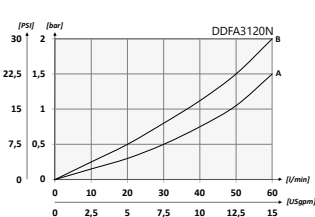
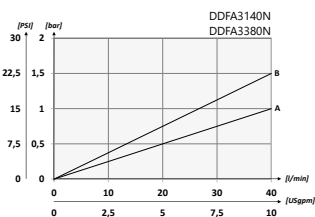
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	7 gocce al min. 0,015 in³/min	200 bar drops/min

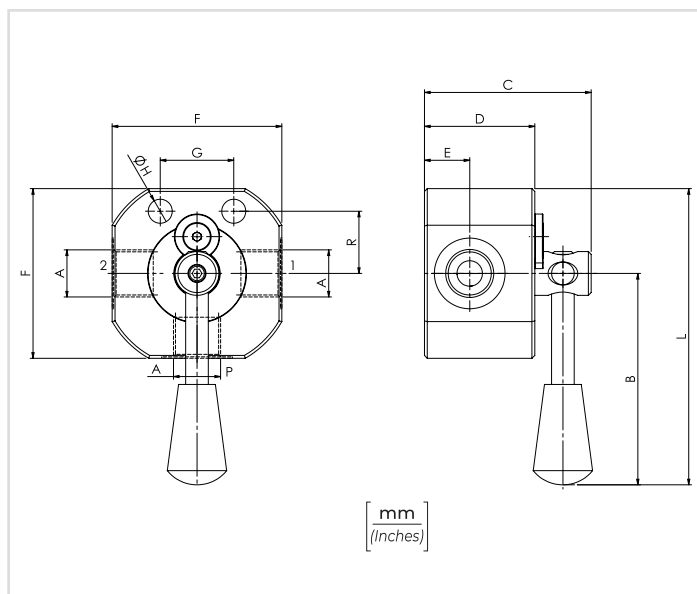
PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	PESO APPROX APPROX WEIGHT kg-lbt
DDFA3140-N	BSPP 1/4	40 (10.6)	500 (7250)	80 (3.15)	59 (2.32)	39 (1.54)	16 (0.63)	60 (2.36)	26 (1.02)	8,5 (0.33)	110 (4.33)	22 (0.87)	0.97 (2.13)
DDFA3380-N	BSPP 3/8	60 (15.8)											0.94 (2.07)
DDFA3120-N	BSPP 1/2	100 (26.4)											0.90 (1.98)
DDFA3340-N	BSPP 3/4	180 (47.5)		102 (4.02)	75,7 (2.98)	54 (2.13)	23,5 (0.93)	80 (3.15)	32 (1.26)	11 (0.43)	142 (5.59)	26 (1.02)	2.24 (4.93)
DDFA3100-N	BSPP 1							85 (3.35)					2.33 (5.14)

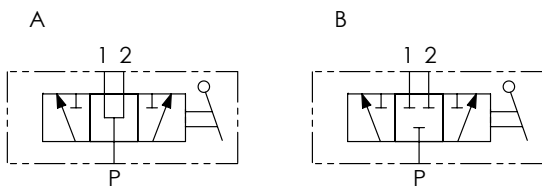
	01	02	03	04	05
CODICE ORDINAZIONE					
ORDERING CODE	DDFA3		N	S	
01	DEVIATORI DI FLUSSO A 3 VIE ALTA PRESSIONE (HIGH PRESSURE 3 WAYS FLOW DIVERTERS)				DDFA3
02	DIMENSIONE (SIZE)	BSPP 1/4			140
		BSPP 3/8			380
		BSPP 1/2			120
		BSPP 3/4			340
		BSPP 1			100
03	NUOVA VERSIONE (NEW VERSION)				N
04	SCHEMA (CIRCUIT)	Centro aperto (Open centre)			A
		Centro chiuso (Closed centre)			B
05	MATERIALE (MATERIAL)	Acciaio (Steel)			S



DDF3



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

**DATI TECNICI / TECHNICAL DATA**

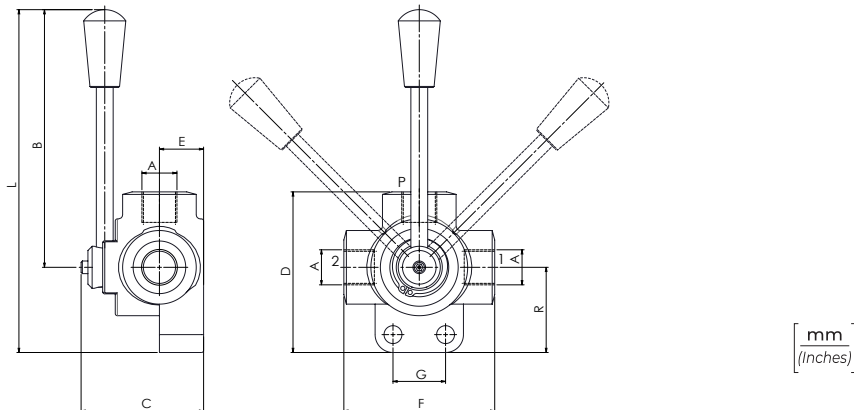
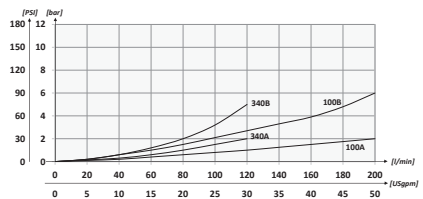
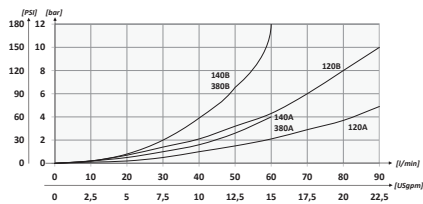
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar 2900 PSI	

CODICE ORDINAZIONE
ORDERING CODE

01	02	03
DDF3		

01	DEVIATORI DI FLUSSO A 3 VIE (3 WAYS FLOW DIVERTERS)		DDF3
02	DIMENSIONE (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	SCHEMA (CIRCUIT)	Centro aperto (Open centre)	A
		Centro chiuso (Closed centre)	B

PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

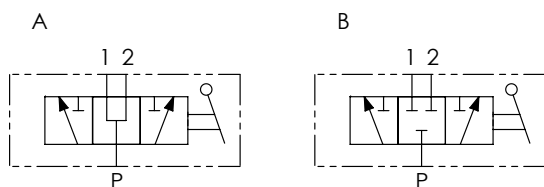
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	PESO APPROX APPROX WEIGHT kg-lbt				
DDF3140	BSPP 1/4	60 (15.8)	350 (5075)	115 (4.53)	57 (2.24)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	0,8 (1.8)				
DDF3380	BSPP 3/8																
DDF3120	BSPP 1/2	90 (23.8)								63 (2.48)	86 (3.39)	24 (0.94)	80 (3.15)	32 (1.26)	161 (6.34)	36 (1.42)	1,3 (2.8)
DDF3340	BSPP 3/4	120 (31.7)								67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)		168,5 (6.63)	42 (1.65)	1,7 (3.7)
DDF3100	BSPP 1	200 (52.8)	300 (4350)		77 (3.03)	110 (4.33)	31 (1.22)	98 (3.86)		10,5 (0.41)	176,5 (6.95)	50 (1.97)	2,5 (5.5)				

DDF3-SAE

DEVIATORI DI FLUSSO A 3 VIE 3 WAYS FLOW DIVERTERS



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

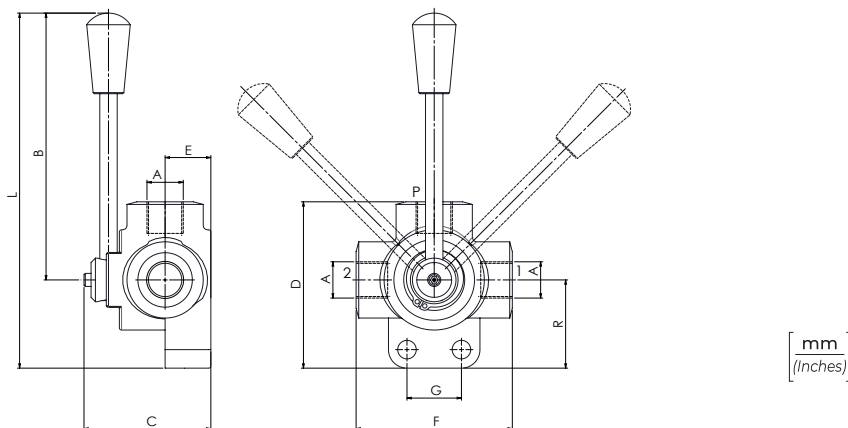
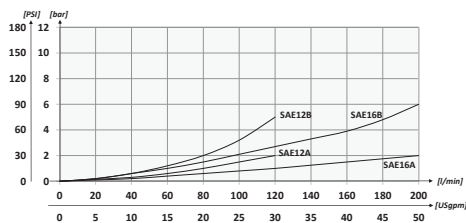
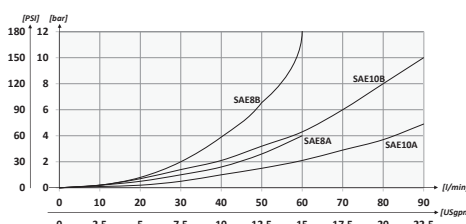
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F	+176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F	+122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar	2900 PSI

CODICE ORDINAZIONE ORDERING CODE

01	02	03
DDF3SAE		

01	DEVIATORI DI FLUSSO A 3 VIE (3 WAYS FLOW DIVERTERS)		DDF3SAE
02	DIMENSIONE (SIZE)	3/4-16UNF	8
		7/8-14UNF	10
		1-1/16-12UN	12
		1-5/16-12UN	16
03	SCHEMA (CIRCUIT)	Centro aperto (Open centre)	A
		Centro chiuso (Closed centre)	B

PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

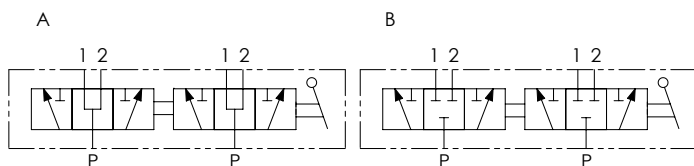
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	PESO APPROX APPROX WEIGHT kg-lbt
DDF3SAE8	3/4-16UNF	60 (15.8)	350 (5075)	115 (4.53)	57 (2.24)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	0,8 (1.8)
DDF3SAE10	7/8-14UNF	90 (23.8)			63 (2.48)	86 (3.39)	24 (0.94)	80 (3.15)	32 (1.26)		161 (6.34)	36 (1.42)	1,3 (2.8)
DDF3SAE12	1-1/16-12UN	120 (31.7)			67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)	10,5 (0.41)	168,5 (6.63)	42 (1.65)	1,7 (3.7)	
DDF3SAE16	1-5/16-12UN	200 (52.8)			300 (4350)	77 (3.03)	110 (4.33)	31 (1.22)		98 (3.86)	176,5 (6.95)	50 (1.97)	2,2 (5.5)

DDF6

DEVIATORI DI FLUSSO A 6 VIE 6 WAYS FLOW DIVERTERS



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



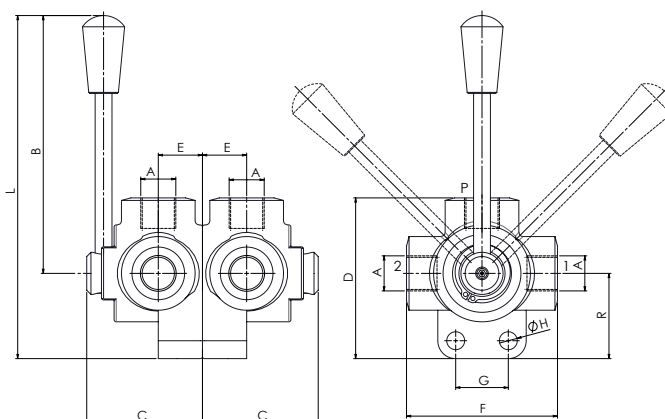
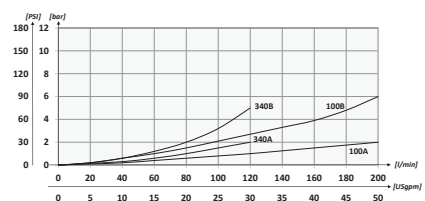
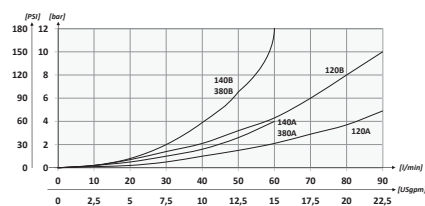
DATI TECNICI / TECHNICAL DATA

Olivo idraulico - Mineral oil	ISO 6743/4 (DIN 51524)
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Temperatura dell'olio - Oil temperature	-20°C +80°C -4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C -4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)	
Trafilamento massimo Max leakage	7 gocce al min. 200 bar 7 drops-min 2900 PSI

CODICE ORDINAZIONE ORDERING CODE

01	02	03
DDF6		
01	DEVIATORI DI FLUSSO A 6 VIE (6 WAYS FLOW DIVERTERS)	DDF6
02	DIMENSIONE (SIZE)	BSPP 1/4 140
		BSPP 3/8 380
		BSPP 1/2 120
		BSPP 3/4 340
		BSPP 1 100
03	SCHEMA (CIRCUIT)	Centro aperto (Open centre) A
		Centro chiuso (Closed centre) B

PERFORMANCES



CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	PESO APPROX APPROX WEIGHT kg-lbt
DDF6140	BSPP 1/4	60+60 (15.8+15.8)	350 (5075)	115 (4.53)	57 (2.24)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	1,6 (3.52)
DDF6380	BSPP 3/8												
DDF6120	BSPP 1/2	90+90 (23.8+23.8)			63 (2.48)	86 (3.39)	24 (0.94)	80 (3.15)			161 (6.34)	36 (1.42)	2,6 (5.7)
DDF6340	BSPP 3/4	120+120 (31.7+31.7)			67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)	32 (1.26)		168,5 (6.63)	42 (1.65)	3,4 (7.5)
DDF6100	BSPP 1	200+200 (52.8+52.8)			77 (3.03)	110 (4.33)	31 (1.22)	98 (3.86)			176,5 (6.95)	50 (1.97)	5,3 (12)

DDF6-SAE

DEVIATORI DI FLUSSO A 6 VIE 6 WAYS FLOW DIVERTERS



CODICE ORDINAZIONE
ORDERING CODE

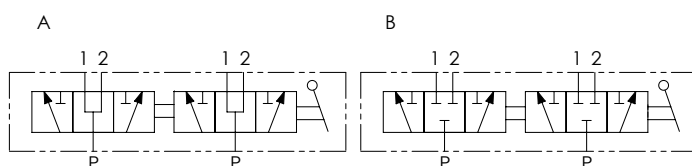
01
DDF6SAE

02

03

01	DEVIATORI DI FLUSSO A 6 VIE (6 WAYS FLOW DIVERTERS)		DDF6SAE
02	DIMENSIONE (SIZE)	3/4-16UNF	8
		7/8-14UNF	10
		1-1/16-12UN	12
		1-5/16-12UN	16
03	SCHEMA (CIRCUIT)	Centro aperto (Open centre)	A
		Centro chiuso (Closed centre)	B

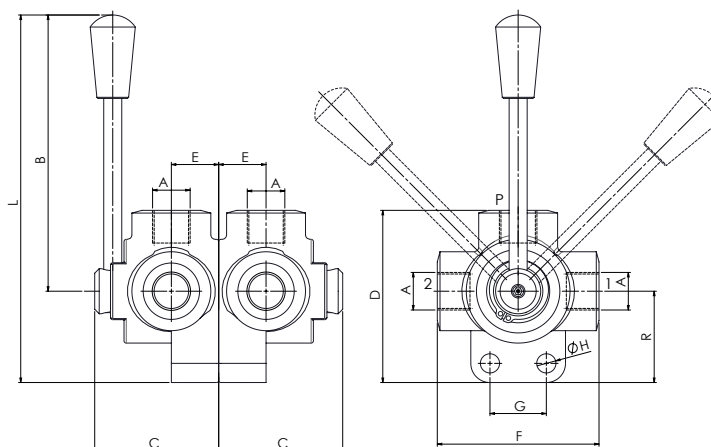
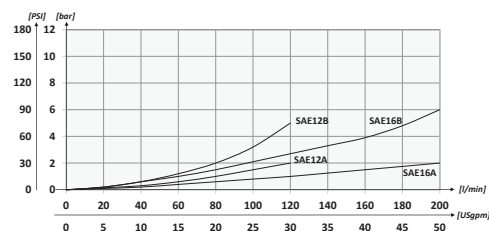
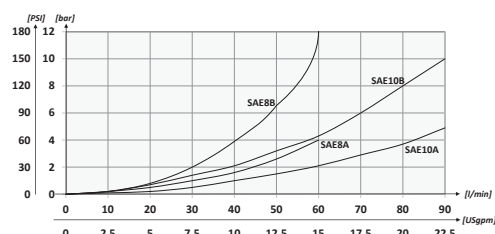
SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio - Oil viscosity	15-250 mm ² /s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar 2900 PSI

PERFORMANCES



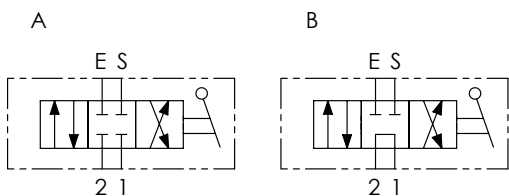
CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	R	PESO APPROX APPROX WEIGHT kg-lbt
DDF6SAE8	3/4-16UNF	60+60 (15.8+15.8)	350 (5075)	115 (4.53)	57 (2.24)	75,5 (2.97)	21 (0.83)	70 (2.76)	25 (0.98)	8,5 (0.33)	155,5 (6.12)	32 (1.26)	1,5 (3.3)
DDF6SAE10	7/8-14UNF	90+90 (23.8+23.8)			63 (2.48)	86 (3.38)	24 (0.95)	80 (3.15)			161 (6.34)	36 (1.42)	2,6 (5.7)
DDF6SAE12	1-1/16-12UN	120+120 (31.7+31.7)			67 (2.64)	98,5 (3.88)	26 (1.02)	90 (3.54)	32 (1.26)	10,5 (0.41)	168,5 (6.63)	42 (1.65)	3,4 (7.5)
DDF6SAE16	1-5/16-12UN	200+200 (52.8+52.8)	300 (4000)		77 (3.03)	110 (4.33)	31 (1.22)	98 (3.86)			176,5 (6.95)	50 (1.97)	5,3 (12)

IDF4



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

**DATI TECNICI / TECHNICAL DATA**

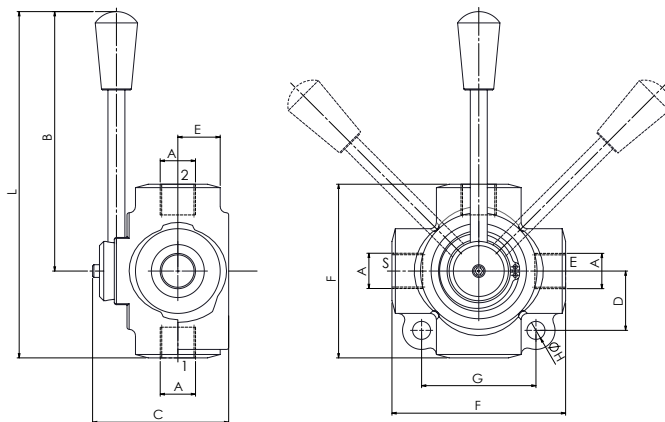
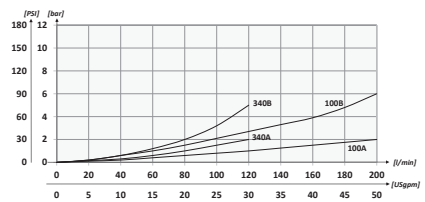
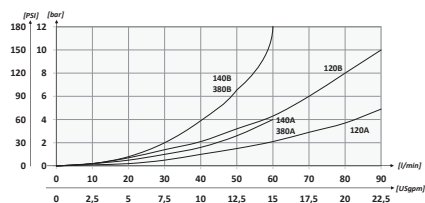
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar 2900 PSI	

CODICE ORDINAZIONE
ORDERING CODE

01	02	03
IDF4		

01	DEVIATORI DI FLUSSO A 4 VIE (4 WAYS FLOW DIVERTERS)		IDF4
02	DIMENSIONE (SIZE)	BSPP 1/4	140
		BSPP 3/8	380
		BSPP 1/2	120
		BSPP 3/4	340
		BSPP 1	100
03	SCHEMA (CIRCUIT)	Centro chiuso (Closed centre)	A
		Centro aperto (Open centre)	B

PERFORMANCES


$$\left[\frac{\text{mm}}{(\text{Inches})} \right]$$

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

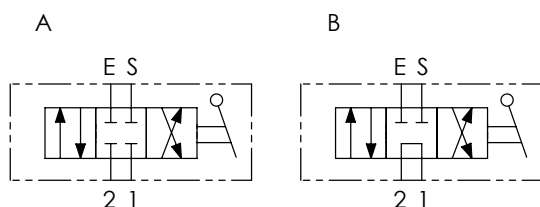
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	PESO APPROX (kg) APPROX WEIGHT (lb)
IDF4140	BSPP 1/4	60 (15.8)	350 (5075)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.94)	80 (3.15)	54 (2.13)	8,5 (0.33)	155 (6.10)	1,3 (2.8)
IDF4380	BSPP 3/8											
IDF4120	BSPP 1/2								90 (23.8)			1,87 (4.06)
IDF4340	BSPP 3/4	120 (31.7)							2,8 (6.1)			
IDF4100	BSPP 1	200 (52.8)	300 (4350)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)	74 (2.91)	10,5 (0.41)	162 (6.38)	2,5 (5.51)

IDF4-SAE

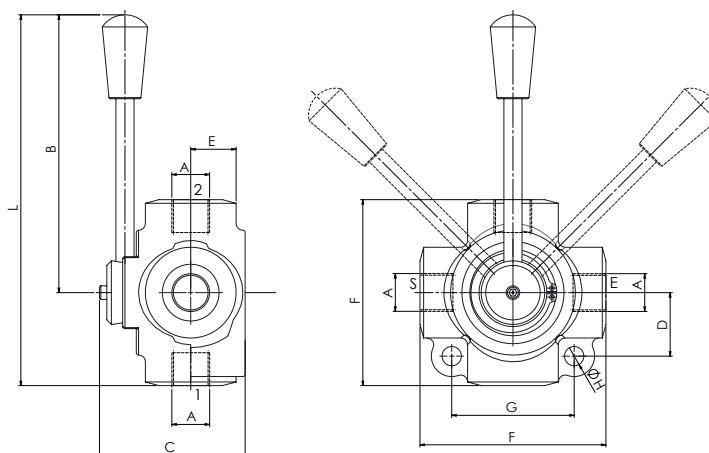
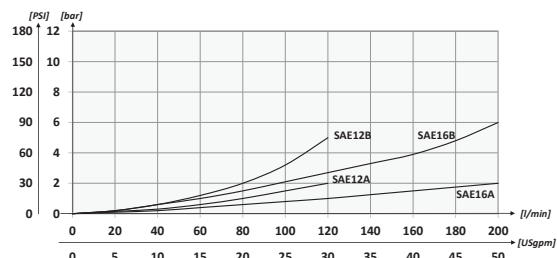
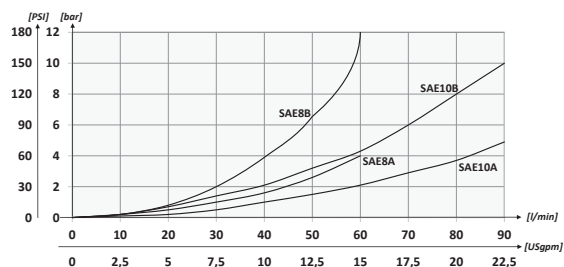
DEVIATORI DI FLUSSO A 4 VIE 4 WAYS FLOW DIVERTERS



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



[mm]
[inches]

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	PESO APPROX APPROX WEIGHT kg-lbt
IDF4SAE8	3/4-16UNF	60 (15.8)	350 (5075)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.94)	80 (3.15)	54 (2.13)	8,5 (0.33)	155 (6.10)	1,3 (2.8)
IDF4SAE10	7/8-14UNF	90 (23.8)										
IDF4SAE12	1-1/16-12UN	120 (31.7)										
IDF4SAE16	1-5/16-12UN	200 (52.8)	300 (4350)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)	74 (2.91)	10,5 (0.41)	162 (6.38)	2 (4.4)

CODICE ORDINAZIONE ORDERING CODE

01	02	03
IDF4SAE		

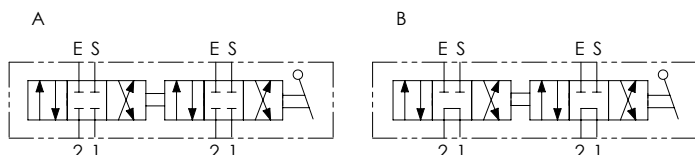
01	DEVIATORI DI FLUSSO A 4 VIE (4 WAYS FLOW DIVERTERS)		IDF4SAE
02	DIMENSIONE (SIZE)	3/4-16UNF	8
		7/8-14UNF	10
		1-1/16-12UN	12
		1-5/16-12UN	16
03	SCHEMA (CIRCUIT)	Centro chiuso (Closed centre)	A
		Centro aperto (Open centre)	B

DATI TECNICI / TECHNICAL DATA

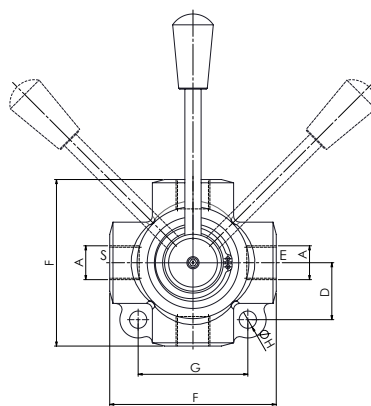
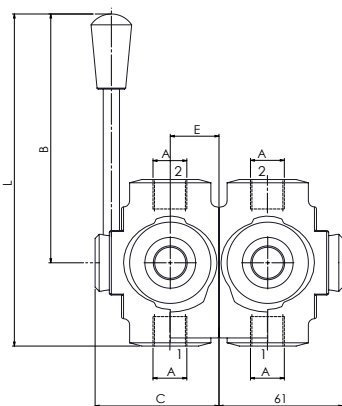
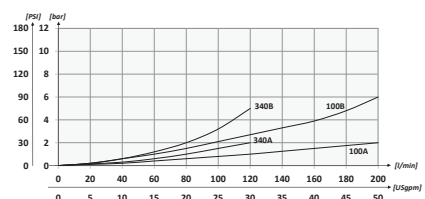
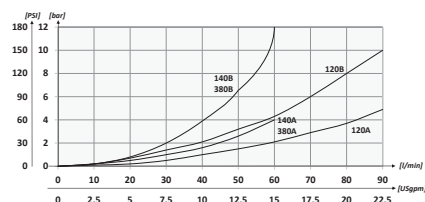
Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar 2900 PSI



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT

**DATI TECNICI / TECHNICAL DATA**

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)		
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)		
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14		
Temperatura dell'olio - Oil temperature	-20°C	+80°C	-4°F + 176°F
Temperatura ambiente - Environment temperature	-20°C	+50°C	-4°F + 122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)			
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar 2900 PSI	


$$\left[\frac{\text{mm}}{(\text{Inches})} \right]$$

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

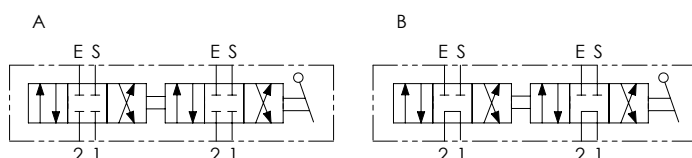
TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	PESO APPROX (kg) APPROX WEIGHT (lbt)
IDF8140	BSPP 1/4	60+60 (15.8+15.8)	350 (5075)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.94)	80 (3.15)	54 (2.13)	8,5 (0.33)	155 (6.10)	2,70 (5.86)
IDF8380	BSPP 3/8											2,52 (5.47)
IDF8120	BSPP 1/2								90+90 (23.8+23.8)			5,10 (11.07)
IDF8340	BSPP 3/4	120+120 (31.7+31.7)							74 (2.91)	10,5 (0.41)	162 (6.38)	5,10 (11.07)
IDF8100	BSPP 1	200+200 (52.8+52.8)	300 (4000)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)				4 (8.8)

IDF8-SAE

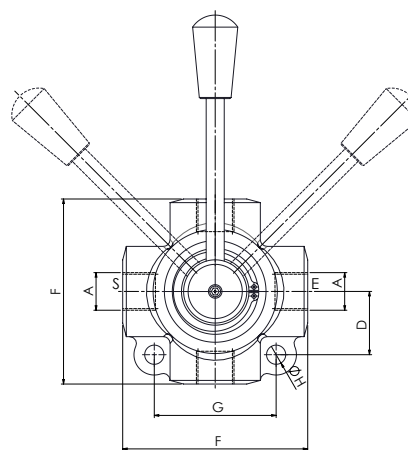
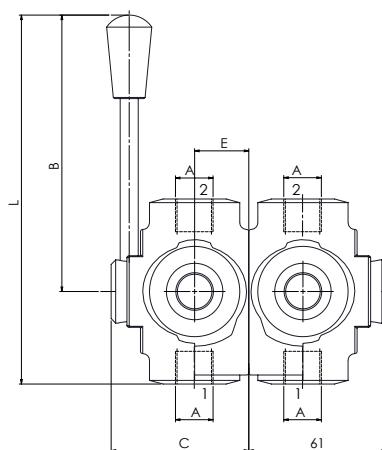
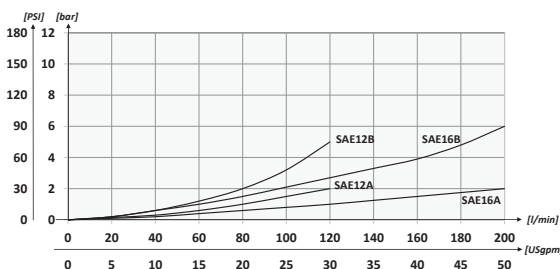
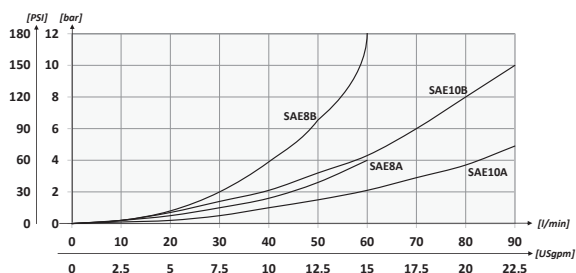
DEVIATORI DI FLUSSO A 8 VIE 8 WAYS FLOW DIVERTERS



SCHEMA IDRAULICO / HYDRAULIC CIRCUIT



PERFORMANCES



[mm
(Inches)]

CARATTERISTICHE TECNICHE / TECHNICAL CHARACTERISTICS

TIPO TYPE	A	PORTATA MAX MAX FLOW l/min-USgpm	PRESSIONE MAX MAX PRESSURE bar-PSI	B	C	D	E	F	G	H	L	PESO APPROX APPROX WEIGHT kg-lbt
IDF8SAE8	3/4-16UNF	60+60 (15.8+15.8)										2,3 (5)
IDF8SAE10	7/8-14UNF	90+90 (23.8+23.8)	350 (5075)	115 (4.53)	63 (2.48)	28 (1.10)	24 (0.94)	80 (3.15)	54 (2.13)	8,5 (0.33)	155 (6.10)	2,1 (4.6)
IDF8SAE12	1-1/16-12UN	120+120 (31.7+31.7)							74 (2.91)			4,3 (9.5)
IDF8SAE16	1-5/16-12UN	200+200 (52.8+52.8)	300 (4350)		77 (3.03)	38 (1.50)	31 (1.22)	94 (3.70)		10,5 (0.41)	162 (6.38)	4 (8.8)

CODICE ORDINAZIONE ORDERING CODE

01	02	03
IDF8SAE		

01	DEVIATORI DI FLUSSO A 8 VIE (8 WAYS FLOW DIVERTERS)		IDF8SAE
02	DIMENSIONE (SIZE)	3/4-16UNF	8
		7/8-14UNF	10
		1-1/16-12UN	12
		1-5/16-12UN	16
03	SCHEMA (CIRCUIT)	Centro chiuso (Closed centre)	A
		Centro aperto (Open centre)	B

DATI TECNICI / TECHNICAL DATA

Olio idraulico - Mineral oil	ISO 6743/4 (DIN 51524)	
Viscosità olio - Oil viscosity	15-250 mm²/s (15 to 250 cSt)	
Classe di contaminazione max con filtro Max contamination index with filter	ISO 4406:1999 Classe 19/17/14	
Temperatura dell'olio - Oil temperature	-20°C +80°C	-4°F +176°F
Temperatura ambiente - Environment temperature	-20°C +50°C	-4°F +122°F
È indispensabile l'utilizzo di un filtro per proteggere la valvola (filtrazione consigliata 15 µm) It is necessary a filter use to protect the valve (advised filtration 15 µm)		
Trafilamento massimo Max leakage	7 gocce al min. 7 drops-min	200 bar 2900 PSI