F.P.T. VALVES AND AUXILIARY COMPONENTS

For an always reliable control

F.P.T. valves are designed and produced to guarantee maximum reliability and performance for customer needs. They can be mounted directly on the hydraulic pump or in line, manually or electric driven, with multiple configurations giving the maximum flexibility for the operator.

A wide range of components and accessories is available to complete your own hydraulic system. Complete series of pressure gauges, flexible hoses, quick couplings, manifolds, fittings and oil for optimal operation and durability of your equipment.



INDEX VALVES AND AUXILIARY COMPONENTS

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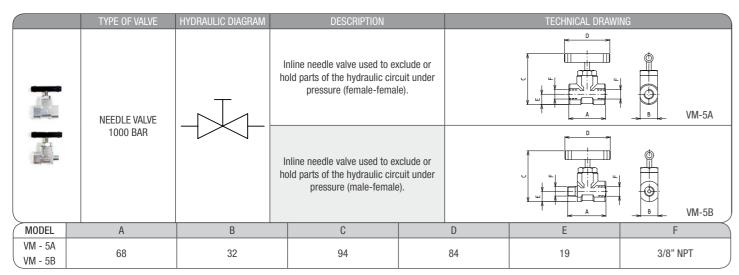
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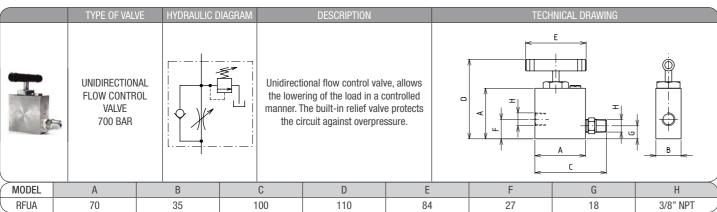
Complementary valves for flow and pressure control.

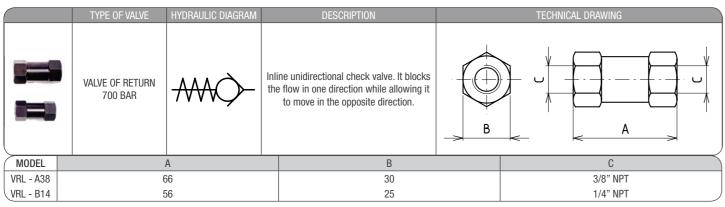






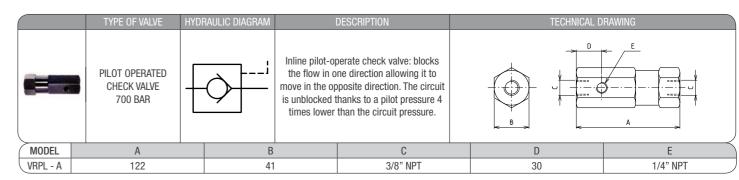


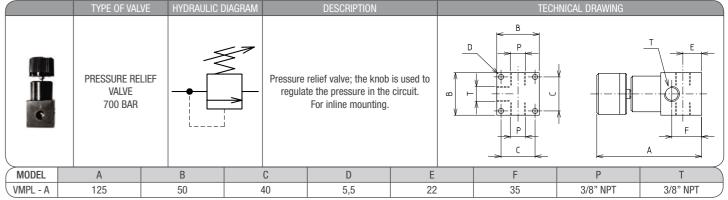


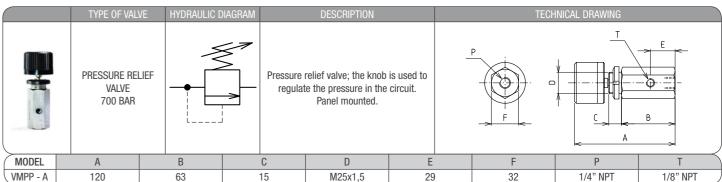


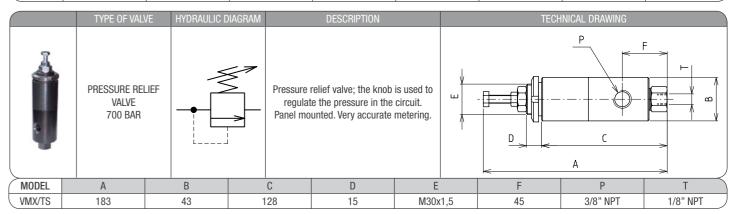
Other models of 3-way valves also available

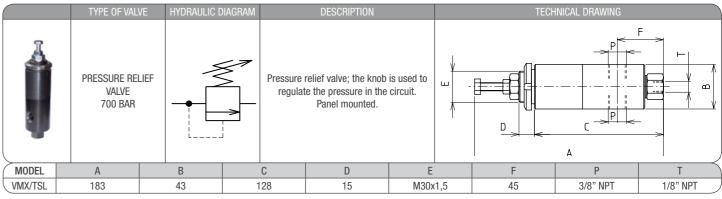
Dimensions in mm











Other models of 3-way valves also available

Dimensions in mm

Series MD

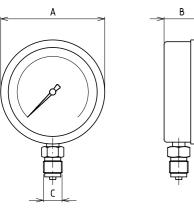
Pressure gauges



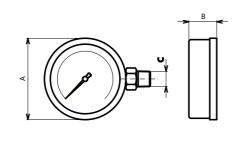
• Excellent precision and readability, easy to assemble.

• Digital or dual pressure reading scale (bar - ton).

MD PRESSURE GAUGES



MD-60G/H3



MODEL	PRESSUR	E RANGE	PRECISION CLASS	Ø FACE	TYPE	DIMENSIONS in mm			
	Bar	Psi	%			А	В	С	
MD 60G/H3	0 - 1000	0 - 14000	1,6	60	IN GLYCERINE BATH	68	28	1/4" NPT	
MD 60G	0 - 1000	0 - 14000	1,6	60	IN GLYCERINE BATH	68	28	1/4" NPT	
MD 100G	0 - 1000	0 - 14000	1,0	100	IN GLYCERINE BATH	110	36	G 1/2"	
MD 160G	0 - 1600	0 - 23000	1,0	100	IN GLYCERINE BATH	110	47	G 1/2"	
MD 200G	0 - 2000	0 - 30000	1,0	100	IN GLYCERINE BATH	110	50	G 1/2"	
MD 300G	0 - 3000	0 - 45000	1,0	100	IN GLYCERINE BATH	110	50	M16x1,5*	
MD 400G	0 - 4000	0 - 60000	1,0	100	IN GLYCERINE BATH	110	50	M16x1,5*	

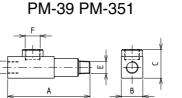
VM - PM

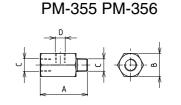
Pressure gauge accessories

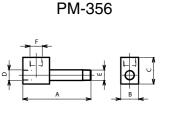
PRESSURE GUAGE ADAPTORS

The FPT system can be used to mount the pressure gauge directly on the pump head. The pressure gauge adaptors are required on pumps and valves when the pressure gauge is not directly installed.





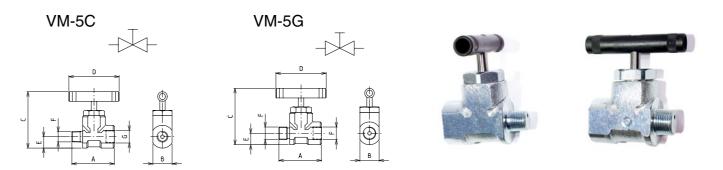




	MODEL	DDEL DIMENSIONS in mm										
		A	В	С	D	Е	F					
0	PM - 346	115	30	45	3/8" NPT	3/8" NPT	G 1/2"					
	PM - 351	115	30	40	3/8" NPT	1/4" NPT	G 1/2"					
	PM - 355	68	27	1/4" NPT	1/4" NPT	-	-					
	PM - 356	68	32	3/8" NPT	1/4" NPT	-	-					

PRESSURE GAUGE SHUT-OFF VALVES

The pressure gauge shut-off valves cut off the pressure to the gauge so that it can be excluded when readings are not required.



	MODEL	MALE END	FEMALE END		D	IMENSIONS in mm	l	
				А	В	С	D	Е
1	VM - 5C	3/8" NPT	G 1/2"	68	32	94	84	19
	VM - 5G	G 1/2"	G 1/2"	68	32	94	84	19

* Female

FLEX HOSES

Max working pressure 1.000 to 4.000 bar

Flex Hoses



High pressure Hoses

The 1000 bar thermoplastic flex hoses standard 1/4 version with internal Ø 6.3 mm are suitable for demanding applications and have a safety factor of 2.8: 1. On request, also available hoses with custom sizes and fittings, flexible hoses with internal Ø of 9.7 mm for applications with high flow rates as well.

For very high pressure applications, thermoplastic hoses available in a range from 1.800 to 4.000 bar to cover all market needs.

MAX W.P.		1000 BAR										
LENCUT [m]	TFR#		TFI	RR#	TFG	#	TFGG#					
LENGHT [m]	END 1	END 2	END 1	END 2	END 1	END 2	END 1	END 2				
0,6												
1												
2												
3	2/0	" NPT	1/4,	1/4" NPT		GR-6M	CD CM					
4	3/0	INPI	1/4				GR-6M					
5												
6												
10								,				

MAX W.P.	1800 BAR	2500 BAR	3000 BAR	3000 BAR	4000 BAR	4000 BAR	
LENGHT [m]	TFR # / 1800	TFR # / 2500	TFR # / 2500 TFR # / 3000-M16D		TFR # / 4000-M16D	TFR # / 4000-M16H	
LENGHI [III]	END 1 END 2	END 1 END 2	END 1 END 2	END 1 END 2	END 1 END 2	END 1 END 2	
1							
1,5							
2							
3	1/4" GAS M - 120°	1/4" GAS M - 120°	M16x1,5	1/4" GAS M16x1,5	M16x1,5	1/4" HP M16x1,5	
4							
5							
6							

insert length of the hose expressed in meters

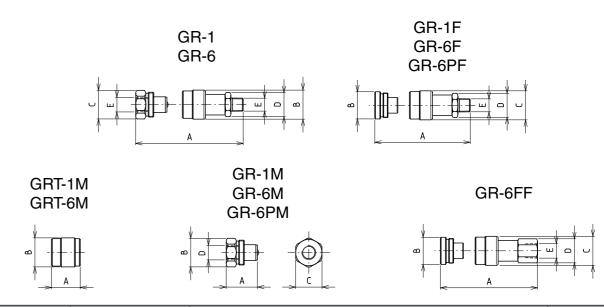
Quick couplers

For quick and safe connection of the hydraulic circuits

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700 bar couplings available in standard or high flow version. Female quick couplings are equipped with dust caps. For very high pressures, quick couplings are available up to 4,000 bar depending on specific needs.



MAX WP	MODEL	Description	Connection				
	GR-6F	Female quick coupler, male threaded	3/8" NPT Male				
	GR-6M	6M Male quick coupler, female threaded					
	GR-6FF	Female quick coupler, female threaded	3/8" NPT Female				
	GR-6	Complete quick coupler (GR-6F + GR-6M)	3/8" NP				
700 bar	GRT-6M	Dust cap for GR-6M	-				
	GR-1F	Female quick coupler, male threaded	1/4" NPT Male				
	GR-1M	Male quick coupler, female threaded	1/4" NPT Female				
	GR-1	Complete quick coupler (GR-1F + GR-1M)	1/4" NPT				
	GRT-1M	GRT-1M Dust cap for GR-1M					
700 have birth flass	GR-6PF	Female coupler, male threaded, poppet sealing system	3/8" NPT Male				
700 bar - high flow	GR-6PM	Male coupler, female threaded, poppet sealing system	3/8" NPT Female				
1500 hav	GR-15F	Female quick coupler, female threaded					
1500 bar	GR-15M	15M Male quick coupler, female threaded					
0000 har	GR-20F	Female quick coupler, female threaded	1/4" G				
2000 bar	GR-20M	Male quick coupler, female threaded	1/4" G				
2500 bar	GR-25F	Female quick coupler, female threaded]				
2500 Dar	GR-25M	Male quick coupler, female threaded]				
2000 hav	GR-30F	Female quick coupler, female threaded	M4 Oud E				
3000 bar	GR-30M	Male quick coupler, female threaded	- M16x1,5				
4000 hav	GR-40F-M16	Female quick coupler, female threaded	M4 Out E				
4000 bar	GR-40M-M16	Male quick coupler, female threaded	M16x1,5				

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MR - MA - ML

Manifolds - fittings and hydraulic oil

- Used to connect multiple lines to one inlet.
- Built with radial or linear outlet. The linear models are supplied with a pressure gauge installation hole.
- Available in 11 standard models and in custom versions for high pressure jobs.
- 1000 bar

	MODEL	NUMBER OF USES	DIMENSIONS in mm								
					С						
	MR - 3V	3	70	26	3/8" NPT						A B - B - B - B - B - B - B - B - B - B B
	MR - 5V	5	70	26	3/8" NPT						
	MR - 11V	11	148	35	3/8" NPT						₩
	MR - 17V	17	230	35	3/8" NPT						
	MA - 5	5	118	40	30	16	55	3/8" NPT	45	G 1/2"	F
	MA - 7	7	173	40	30	16	55	3/8" NPT	100	G 1/2"	\ \ \
3	MA - 9	9	228	40	30	16	55	3/8" NPT	100	G 1/2"	
1											1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
											LA TOTAL
	ML - 5	5	200	45	50	3/8" NPT	G 1/2"	186	31	6,5	<u> </u>
	ML - 7	7	300	45	50	3/8" NPT	G 1/2"	286	31	6,5	
- 10	ML - 9	9	400	45	50	3/8" NPT	G 1/2"	386	31	6,5	
(ML - 11	11	500	45	50	3/8" NPT	G 1/2"	486	31	6,5	
											A

	MODEL	NUMBER OF USES	DIMENSIONS in mm
* FPT	VM5A/2	3	90 - 3/8" NPT - 3/8" N
A TOTAL OF THE PARTY OF THE PAR	VM5A/4	5	381 100 100 100 100 100 100 100 100 100 1

FITTINGS

TYPE	MODEL		DIMENSIO	NS in mm		
		А	В	С	D	
ELBOW	G - 241 GF - 242	38 38	35 35	50 3/8" NPT	3/8" NPT	A G - 241
T FITTING	T - 342	38	66	53	3/8" NPT	A D D D D D D D D D D D D D D D D D D D
CROSS FITTING	C - 442	38	66	3/8" NPT	-	A C C C C C C C C C C C C C C C C C C C
	R - 313	40	CH 27	1/4" NPT	3/8" NPT	
	R - 314	40	CH 27	3/8" NPT	1/4" NPT	A
REDUCTION	R - 316	45	CH 32	G 1/2"	1/4" NPT	a U
	R - 352	45	CH 32	G 1/2"	3/8" NPT	<u> </u>
HEX COUPLING	ME - 349 ME - 357	37 37	CH 27	3/8" NPT	3/8" NPT	A
	N - 341	39	CH 17	1/4" NPT	1/4" NPT	Α
NIPPLE	N - 343 N - 344	41 41	CH 19	1/4" NPT	3/8" NPT	
	NL - 345	55	3/8" NPT		-	
LONG NIPPLE	NL - 346 NL - 347	80 150	3/8" NPT		-	A A

MODEL LITRES OIL - 1 1 OIL - 5 5 OIL - 10 10 BIO-OIL-1 1 BIO-OIL-5 5 BIO-OIL-10 10

MINERAL HIDRAULIC OIL ISO VG 32

Available different oil for custom applications.

BIO OIL - Eco-friendly oil

Eco-friendly oil. High-performance, fully synthetic, biodegradable, non-toxic hydraulic fluid, saturated esters made.



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