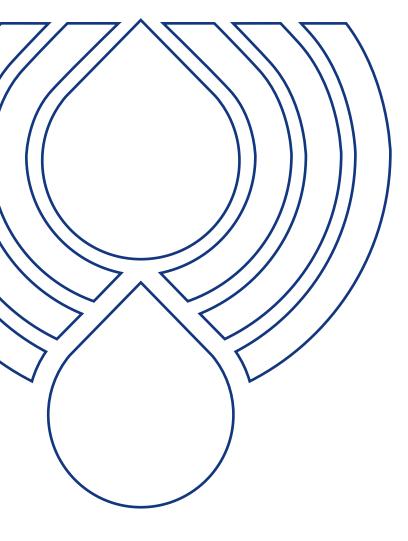
TANK ACCESSORIES

ACCESSORIES



PASSION TO PERFORM





A WORLDWIDE LEADER IN THE FIELD OF HYDRAULIC FILTRATION EQUIPMENT.

Our company started life in 1964, when Bruno Pasotto decided to attempt to cater for the requests of a market still to be fully explored, with the study, design, development, production and marketing of a vast range of filters for hydraulic equipment, capable of satisfying the needs of manufacturers in all sectors. The quality of our products, our extreme competitiveness compared with major international producers and our constant activities of research, design and development has made us a worldwide leader in the field of hydraulic circuit filtering. Present for over 50 years in the market, we have played a truly decisive role in defining our sector, and by now we are a group capable of controlling our entire chain of production, monitoring all manufacturing processes to guarantee superior quality standards and to provide concrete solutions for the rapidly evolving needs of customers and the market.



MARKET **LEADER**



Our work is based on a skillful interaction between advanced technology and fine workmanship, **customizing products according to specific market requests**, focusing strongly on innovation and quality, and following every step in the manufacturing of both standard and special products, fully respecting customer expectations.

Our customer-oriented philosophy, which enables us to satisfy all customer requests **rapidly** and **with personalized products**, makes us a **dynamic and flexible enterprise**. The possibility of constantly controlling and monitoring the entire production process is essential to allow us to guarantee the quality of our products.

WORLDWIDE PRESENCE

Our foreign Branches enable us to offer a diversified range of products that allow us to successfully face the aggressive challenge of international competition, and also to maintain a stable presence at a local level.

The Group boasts **8** business branches





TECHNOLOGY

Our constant **quest for excellence in quality and technological innovation** allows us to offer only the best solutions and services for applications in many fields, including general industry, test rigs, lubrication, heavy engineering, renewable energies, naval engineering, offshore engineering, aviation systems, emerging technologies and mobile plant (i.e. tractors, excavators, concrete pumps, platforms).







AND PRODUCTION

Our high level of technological expertise means **we can rely entirely on our own resources, without resorting to external providers.** This in turn enables us to satisfy a growing number of customer requests, also exploiting our constantly updated range of machines and equipment, featuring **fully-automated workstations** capable of **24-hour production**.











Flow rates up to 875 l/min

Mounting:

- Tank immersed
- In-Line
- In tank with
- shut off valve
- In tank
- with flooded suction

Pressure up to 20 bar

up to 3000 l/min

RETURN

FILTERS

Flow rates

Mounting: - In-Line - Tank top - In single

and duplex designs



RETURN / SUCTION FILTERS

Flow rates up to 300 l/min

Pressure up to 80 bar

Mounting: - In-Line - Tank top

SPIN-ON **FILTERS**

Flow rates up to 365 l/min

Pressure up to 35 bar

Mounting: - In-Line - Tank top

Flow rates

Pressure

Mounting:

- In-Line
- Parallel manifold version
- In single

LOW & MEDIUM PRESSURE **FILTERS**

up to 3000 l/min

up to 80 bar

- and duplex designs



HIGH PRESSURE FILTERS

Flow rates up to 750 l/min

Pressure from 110 bar up to 560 bar

- Mounting:
- In-Line
- Manifold
- In single
- and duplex designs





PRODUCT RANGE

MP Filtri can offer a vast and articulated range of products for the global market, suitable for all industrial sectors using hydraulic equipment.

This includes filters (suction, return, return/suction, spin-on, pressure, stainless steel pressure) and structural components (motor/pump bell-housings, transmission couplings, damping rings, foot brackets, aluminium tanks, cleaning covers).

We can provide all the skills and solutions required by the modern hydraulics industry to monitor contamination levels and other fluid conditions.

Mobile filtration units and a full range of accessories allow us to supply everything necessary for a complete service in the hydraulic circuits.



STAINLESS STEEL HIGH PRESSURE FILTERS

Flow rates up to 125 l/min Pressure from 320 bar up to 1000 bar

- Mounting:
- In-Line
- Manifold
- In single and duplex designs



- Off-line, in-line particle counters Off-line bottle sampling products
- Fully calibrated using relevant ISO standards
- A wide range of variants to support fluid types and communication protocols
- MOBILE FILTRATION UNITS

Flow rates from 15 l/min up to 200 l/min

- from 0.12 kW to 400 kW - Couplings in Aluminium
 - Cast Iron Steel

for motors

- Aluminium tanks
- Cleaning covers

POWER TANK TRANSMISSION ACCESSORIES PRODUCTS

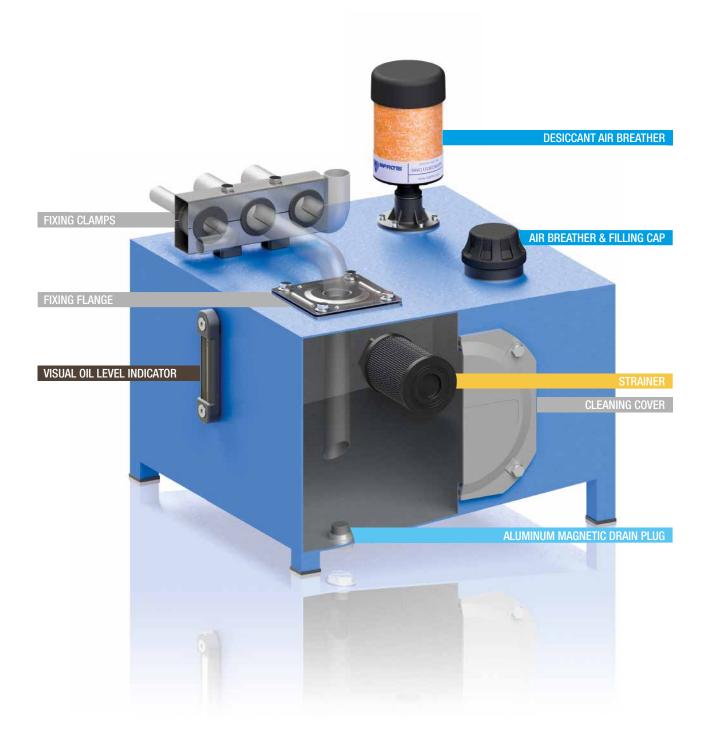
- Oil filler and

- air breather plugs - Optical and electrical
- level gauges - Pressure gauge valve
- selectors - Pipe fixing brackets
- Pressure gauges

Aluminium bell-housings



TANK ACCESSORIES





INDEX

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20 page		AIR BREATHERS AND FILLER PLUGS
23	SAP 054-075 - SA	Air breathers
29	SAW 115	Desiccant air breathers
33	SCS	Metal air breathers with interchangeable filter element
39	SME 1 - SMF 1 - SML 1	Risers for breathers and filler caps installation
45	TA 46 - TAP 50 - SAP 50	Filling cap, air breather & filling cap
53	TA 80	Filling cap
57	TAP 90	Air breather & filling cap
63	TAP 114	Air breather & filling cap
67	TAP 115 & SAP 115	Filling cap, air breather & filling cap

(72) page	9	FILLER AND DRAIN PLUGS
75	TC 50	Nylon filler plug
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79	ТКМ	Aluminium magnetic drain plug

86 pag	je	VISUAL OIL LEVEL INDICATORS
89	LCP - LCC	Spy eyes
95	LVA - LVU	Visual oil level indicator

(100 page		ELECTRICAL OIL LEVEL INDICATORS
103	LEN - LEG - LET - LEM - LEU	Electrical oil level indicator
115	LVK	Electrical and visual oil level indicator

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123	EM1	Gauge isolator valves
129	SVM	Gauge isolator valves
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143	OB	Cleaning covers
149	SE10LT	Aluminium tanks



EM1 & SVM gauge isolator valves are designed to protect pressure gauges from pressure shocks when the pressure reading is not required.

FTA/FTR flanges make it possible to fix suction and return lines on the reservoir cover.

MULTIFLEX fixing clamps make it possible to install various pipelines of different types and diameters, rapidly, easily, and, more importantly, economically.

CLEANING COVERS, facilitating the maintenance of oil tanks in hydraulic power units, without necessarily having to dismantle the unit.

ALUMINIUM TANKS of 10 litres capacity, allowing the assembly of a compact hydraulic power unit.



Accessories



EM1	page 123
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Gauge isolator valves





=M1 general information

Technical data

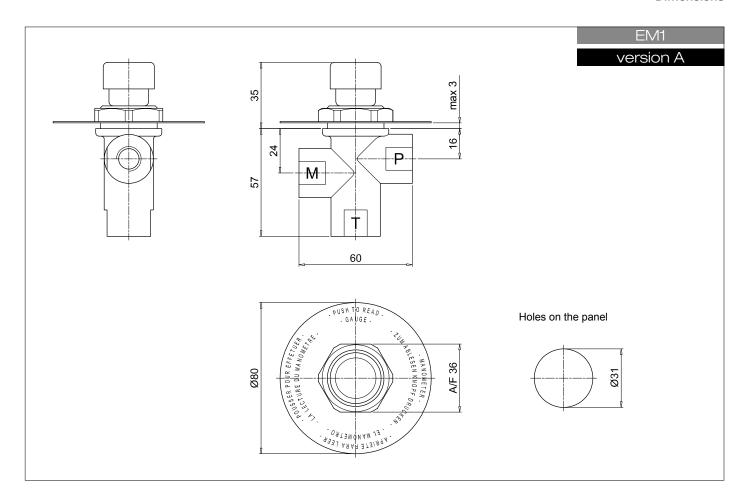
Materials C Materials A-B - Body: Cast iron - Body: Cast iron Gauge isolator valves are designed to protect pressure gauges from - Pin: Steel - Pin: Steel pressure shocks when the pressure reading is not required; after each - Seals: NBR, FPM - Seals: NBR, FPM reading setting the selector to the closed position serves to depressurise - Knob/cover: Nylon - Knob/cover: Nylon the pressure gauge by means of the T fitting connected to the reservoir. - Stop ring: Steel - Stop ring: Steel - Spring: Steel - Spring: Steel 3 and 6-way pressure gauge selectors perform the same function as - Nameplate: Aluminium - Nameplate: Aluminium the gauge isolator valves, allowing pressure values from different parts - Nut-screw: Galvanized steel - Nut-screw: Galvanized steel of the system to be read using a single pressure gauge. - Plug: Anodized steel **Operating pressure** Working instructions: 400 bar - Button not pressed: pressure gauge isolated - Button pressed: pressure gauge reading **Operating temperature** - Button pressed and turned (either to left or right): button remains in From -25 °C to + 100 °C position and pressure gauge measures pressure continuously. - To isolate the pressure gauge from pressure reading, turn the button until it returns to the not pressed position. Weight EM1 version A 0.41 kg EM1 version B 0.44 kg EM1 version C 1.00 kg Quantity 25 pcs/pack

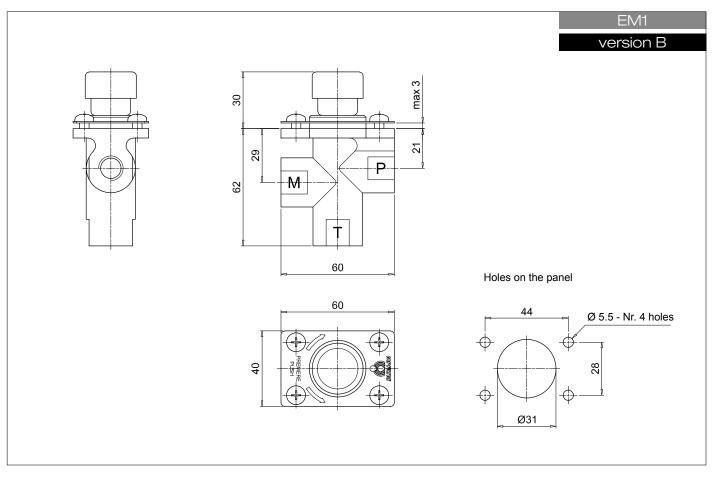
Designation & Ordering code

	EM1						
Series and size		Configuration example :	EM1	Α	G2	Α	P01
EM1	_						
Version							
A Threaded connections, panel mount with hex nut	_						
B Threaded connections, panel mount with screws							
C Manifold/threaded connections, panel mount with screws	_						
Connection							
G1 G 1/4"							
G2 1/4" NPT	_						
G3 SAE 5 - 1/2" - 20 UNF							
Seals							
A NBR							
V FPM							
Execution							
P01 MP Filtri standard							

Pxx Customized





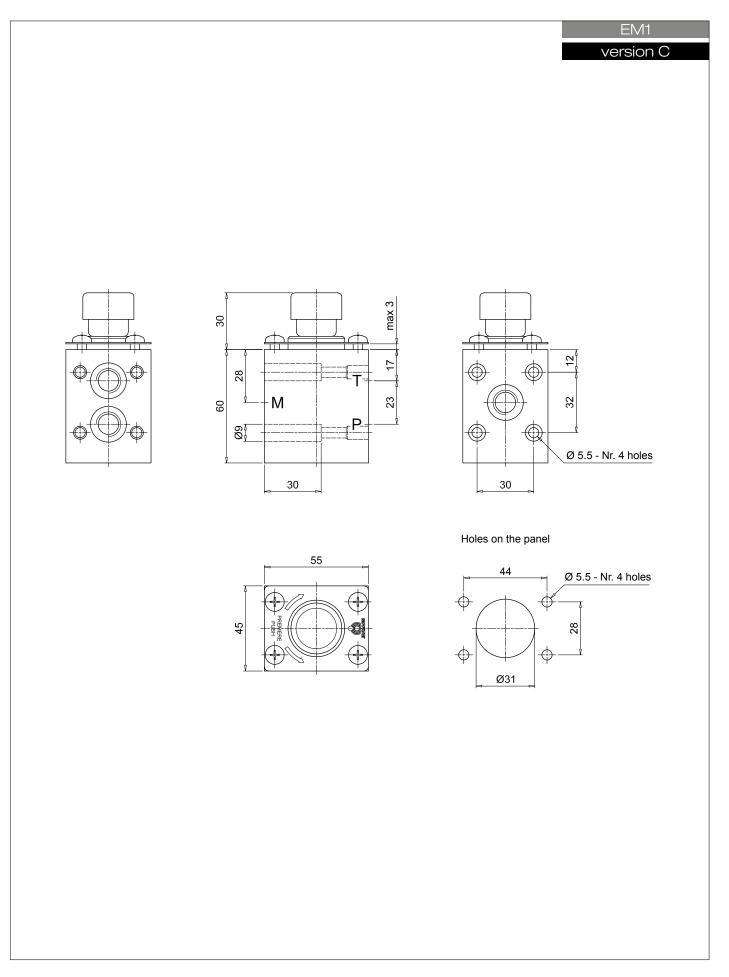


-(125)

Accessorie



Dimensions







SVM series

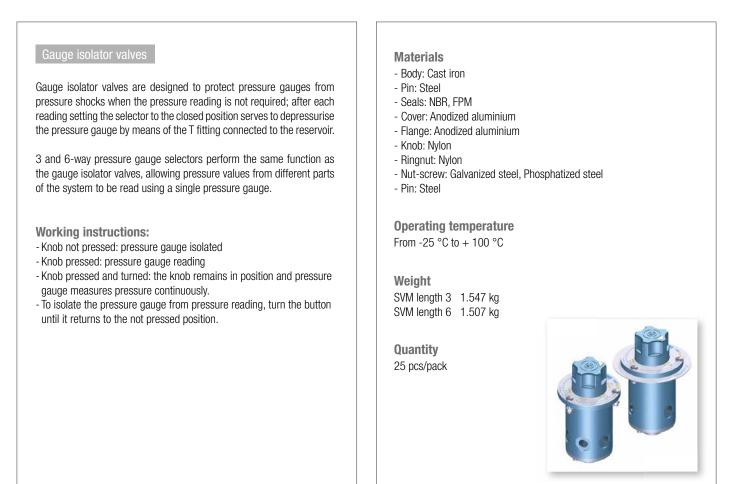
Gauge isolator valves





SVM general information

Technical data



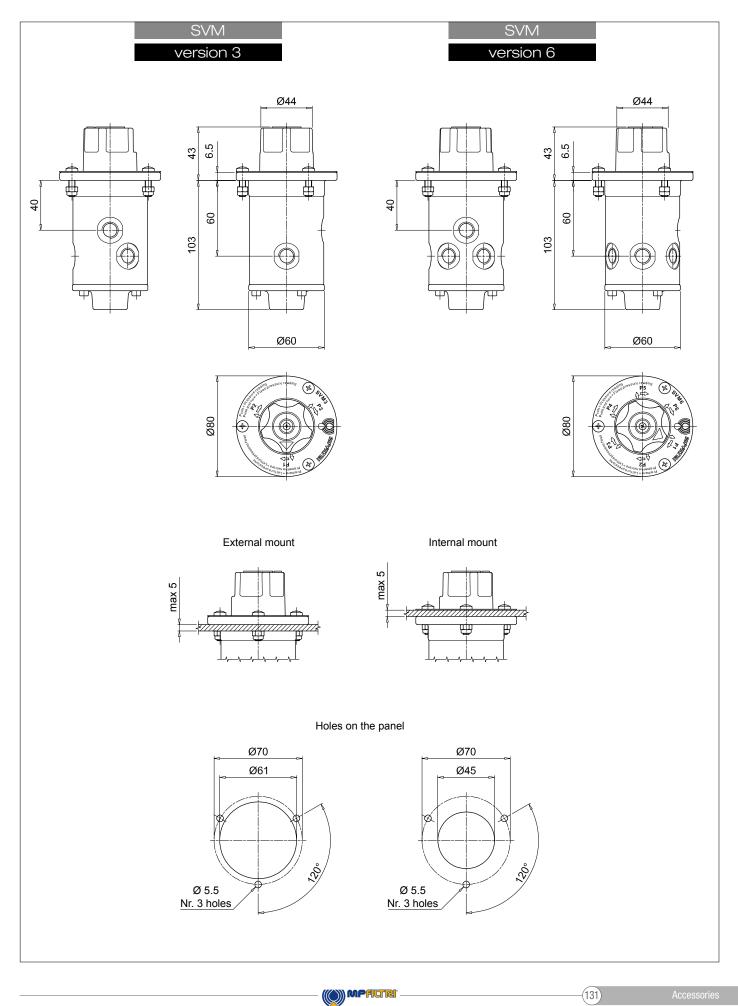
Designation & Ordering code

	SVM
Series and size	Configuration example : SVM 3 G1 A P01
SVM	
Version	
3 Nr. 3 pressure ports	_
6 Nr. 6 pressure ports	
Connection	
G1 G 1/4"	_
G2 1/4" NPT	_
G3 SAE 5 - 1/2" - 20 UNF	
Seals	
A NBR	
V FPM	
Execution	
P01 MP Filtri standard	

Pxx Customized



Dimensions





FTA -FTR series

Oil tank fixing flange





FTA - FTR GENERAL INFORMATION

Technical data

Oil tank fixing flange FT flanges make it possible to fix suction and return lines on the reservoir cover. Fitting a flexible insert allows separation of pipes. Both rigid pipes and flexible hoses can be separated from the reservoir wells, absorbing vibration and radiusing plant paise amissions.	Materials - Flange: Galvanized steel - Flange seal: Inorganic fibre - Tube seal: NBR - Screw: Galvanized steel
walls, absorbing vibration and reducing plant noise emissions. Operating pressure 400 bar Operating temperature From -25 °C to + 100 °C	Weight FTA Weight FTR FTA 1215 0.590 kg FTR 0610 0.450 kg FTA 1620 0.570 kg FTR 1215 0.430 kg FTA 2225 0.550 kg FTR 1620 0.400 kg FTA 2630 0.530 kg FTR 2630 0.103 kg FTA 3235 0.500 kg FTR 3235 0.980 kg FTA 3842 0.520 kg FTR 3842 0.950 kg FTA 6061 0.900 kg FTR 4850 0.900 kg FTA 7577 0.860 kg FTR 6061 0.850 kg FTA 8789 0.830 kg FTR 6061 0.850 kg
	Quantity 25 pcs/pack

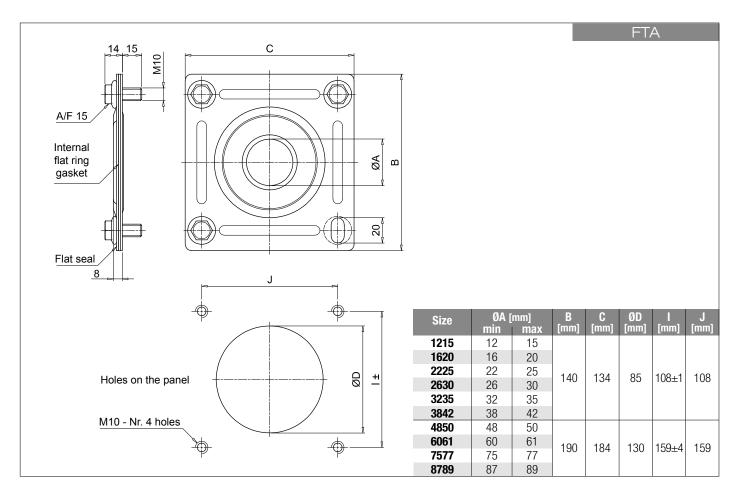
Designation & Ordering code

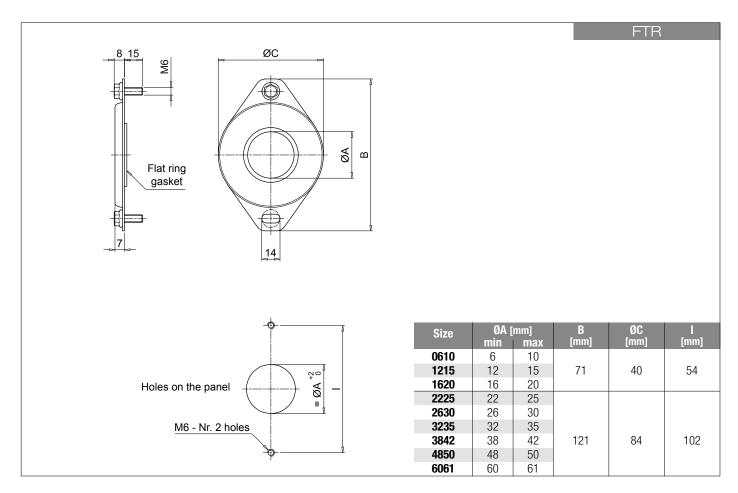
					FTA - FTR						
Series	3					Configuration example :	FTA	2630	G	Α	
FTA		FTR				L					
					_						
Size		E E	ΓΑ	FTR							
0610				•	-						
1215			•	•	-						
620	Pipe Ø16 ÷ 20 mm		•	•	-						
2225				•	-						
2630		•	•	•	-						
3235			•	•	-						
842		•	Ð	•	-						
850			•	•	-						
6061	Pipe Ø60 ÷ 61 mm		•	•	-						
7577			•		-						
8789	Pipe Ø87 ÷ 89 mm		•		-						
	e seals	1	TA	FTR							
G	Inorganic fiber		•								
)	Without seal			•							
Pipe s											
Α	NBR										
Execu											
P01	MP Filtri standard				-						
Рхх	Customized				-						

Accessories

FTA - FTR

Dimensions







Accessorie





Fixing clamps





SFT MULTIFIX GENERAL INFORMATION

Technical data

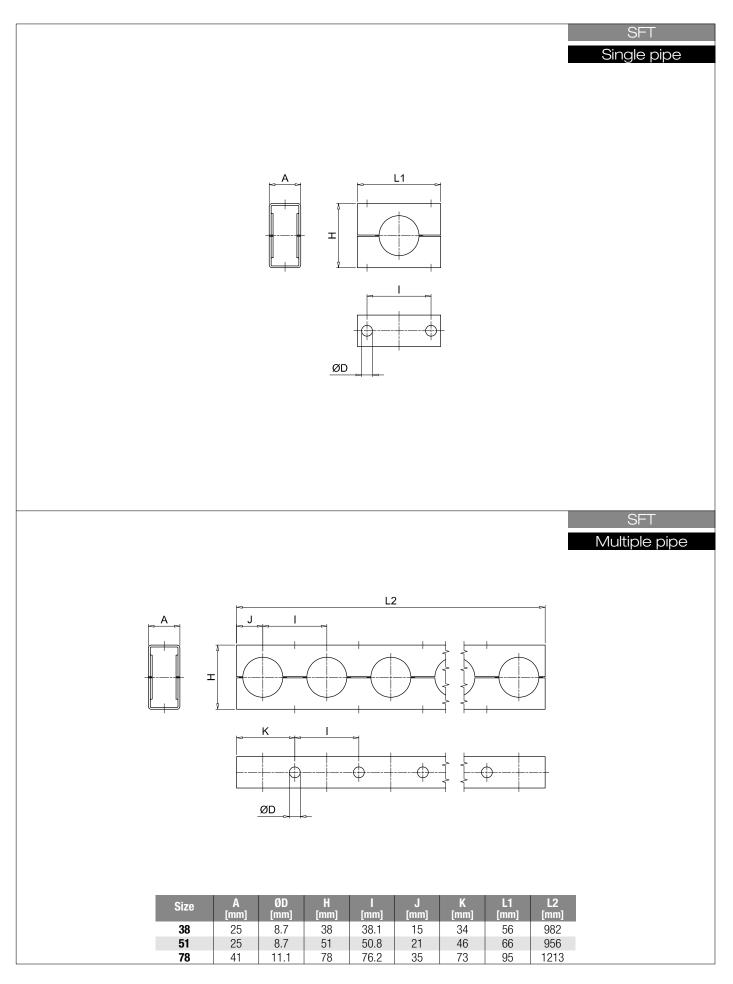
Fixing clamps MULTIFIX fixing clamps are particularly suitable when a series of pipelines must be installed requiring neat and high precision installation. These brackets make it possible to install various pipelines of different types and diameters, rapidly, easily, and, more importantly, economically.	Materials - Pair of brackets: Galvanized steel - Bush: NBR - Spacer: Steel - Studs: Steel - Screws: Steel - Foot and screw: Steel
MULTIFIX clamps support, guide, and absorb impact and vibration, protecting the pipes and dispensing with the need for complex and unsightly mounting systems with angle clamps etc. An orderly layout facilitates maintenance resulting in significant savings in running costs; it also allows intuitive visual design of the plant, which can be assembled easily even without specialised labour.	Weight SFT 38 1 0.050 kg SFT 51 1 0.100 kg SFT 78 1 0.570 kgOperating temperature From -25 °C to + 100 °CQuantity 25 pcs/pack

Designation & Ordering code

					SFT
Serie	S				Configuration example : SFT 51 19 P01
SFT	Pair of brackets				
Size					
38	Height 38 mm - 1 1/2"				
51	Height 51 mm - 2"				
78	Height 78 mm - 3"				
Num	ber of pipe	38	51	78	
1	Single pipe	•	•	•	
16	Nr. 16 pipes			•	
19	Nr. 19 pipes		•		
26	Nr. 26 pipes	•			
Exec	ution				
P01	MP Filtri standard				
Рхх	Customized				_

SFT MULTIFIX

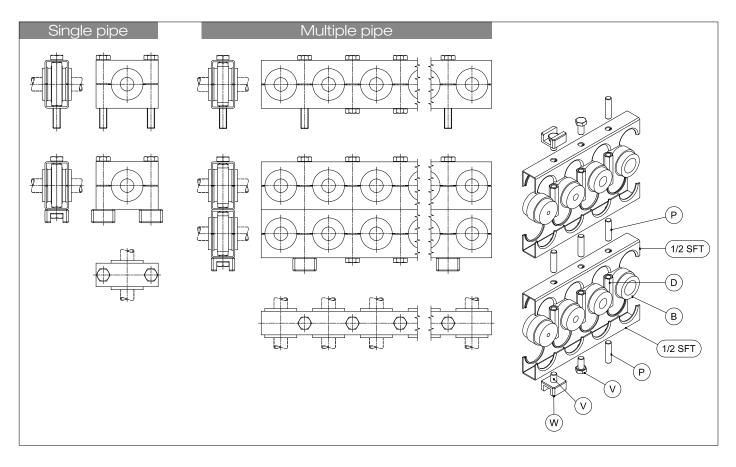
Dimensions

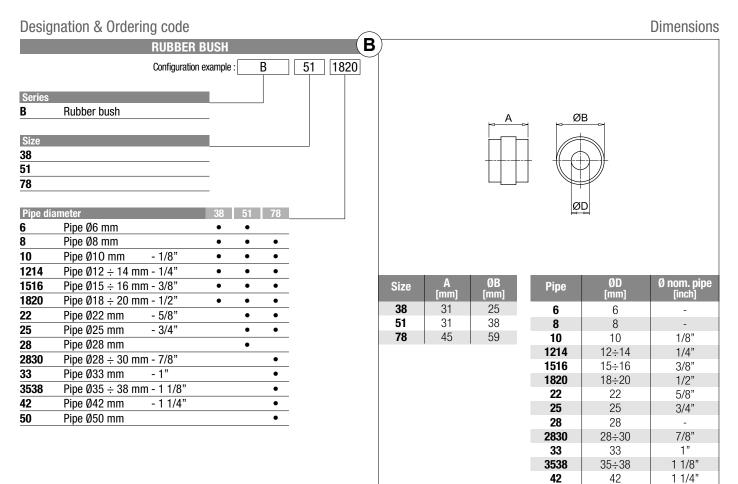




SFT MULTIFIX

Assembly





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50

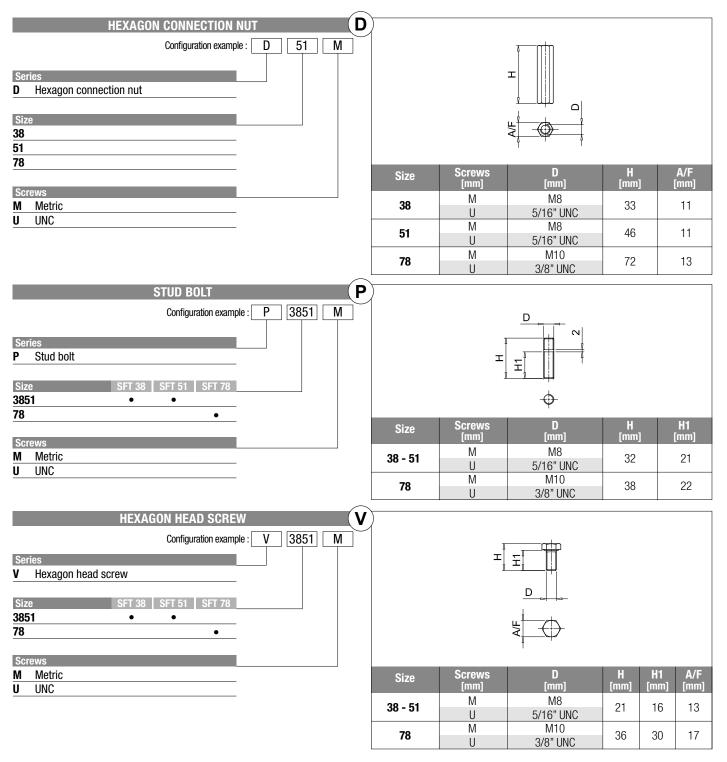
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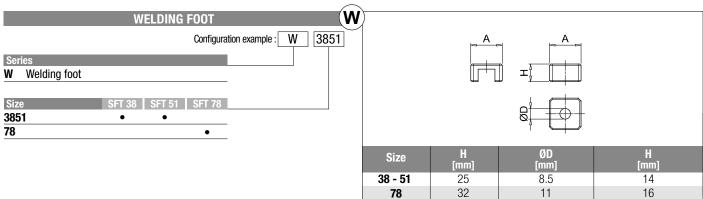
Accessories

SFT MULTIFIX

Designation & Ordering code

Dimensions









Cleaning covers





GENERAL INFORMATION

Technical data

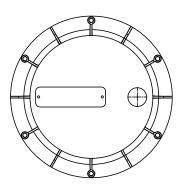
Cleaning covers The pressure die-cast aluminium alloy cleaning covers offer superior mechanical strength and are manufactured to DIN 24339 standard. They provide easy access to the inside of the oil tank for inspection and cleaning purposes, without necessarily having to dismantle the unit.	Materials - Cleaning covers: Pressure die-cast aluminium alloy - Seal: NBR 70 Shore A				
On request and also for small quantities inspection doors can be supplied with: - customer logo - hole cut for visual level indicator - hole cut for visual and electrical level indicator - oil sample plug Compatibility with fluids - Mineral oils types HH-LL-HM-HR-HV-HC, to ISO 6743/4 standard - Water based emulsions types HFAE-HFAS, to ISO 6743/4 standard - Water glycol type HFC, to ISO 6743/4 standard: ask for anodized version OB275 and OB400 cleaning covers are designed according to DIN 24339.	Weight with seal without seal 0B275 2.06 kg 1.76 kg 0B350 2.10 kg 1.80 kg 0B356 2.10 kg 1.80 kg 0B400 3.20 kg 2.90 kg 0B475 3.70 kg 3.40 kg Operating temperature From -30 °C to +80 °C				

Γ

Designation & Ordering code

	OB	
Size		
0B275		
0B350		
OB356		
OB400		
0B400 0B475		

Available customization



Nameplate with customer logo Ordering information: **OB475LOGOP05**

The nameplates applied to the new inspection door are identical to those applied to the old door. The difference with the new door is that nameplates are fixed with rivets.

For ordering information codes, minimum order quantities, fixing hole positions and other details not indicated in this publication, contact MP Filtri Technical and Sales Department.

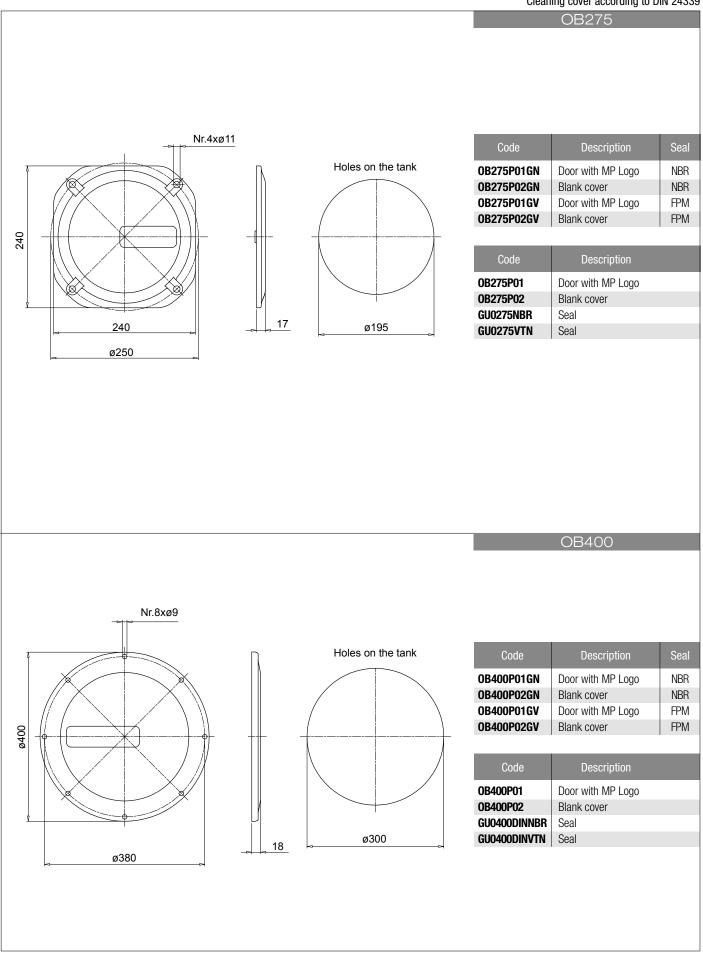




(145)

Dimensions

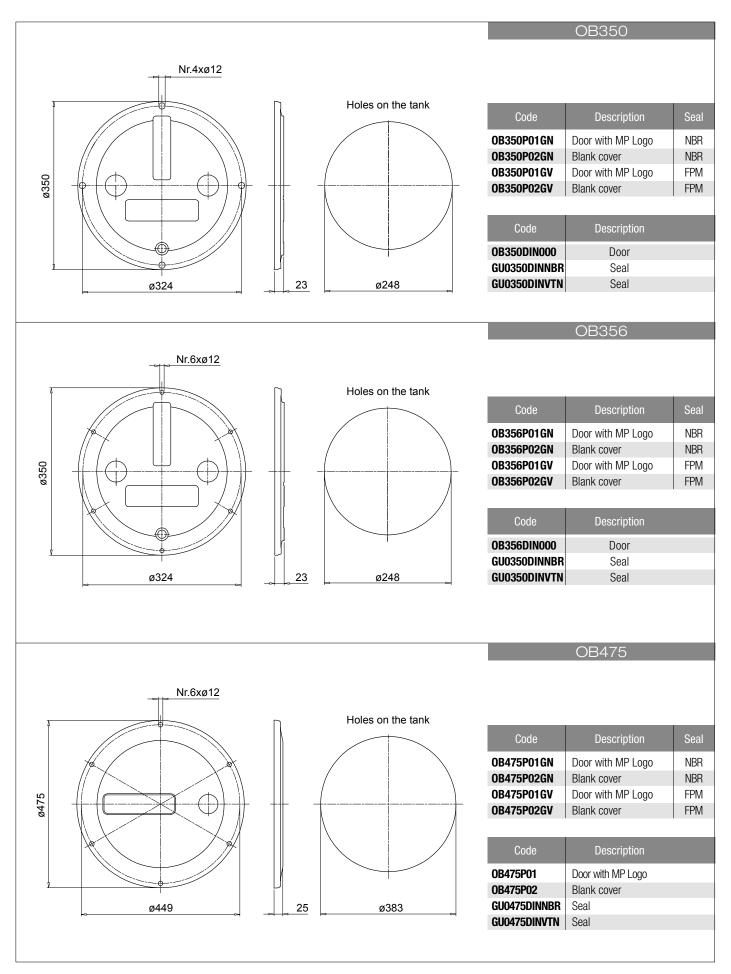
Cleaning cover according to DIN 24339



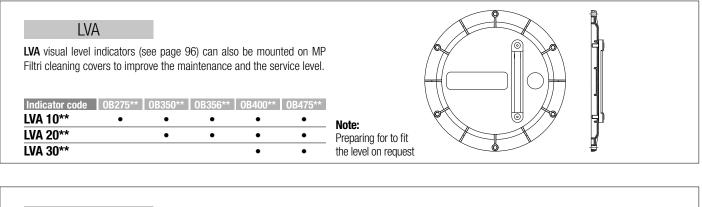
(()) MPALTRI

OB 0B350 - 0B356 - 0B475

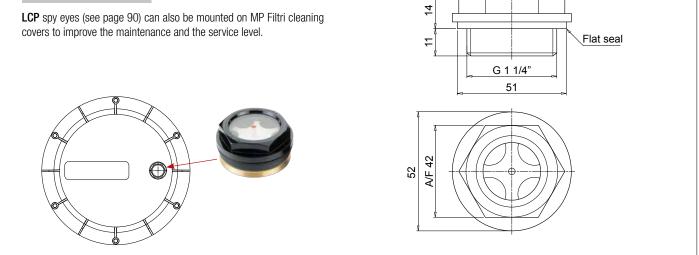
Dimensions







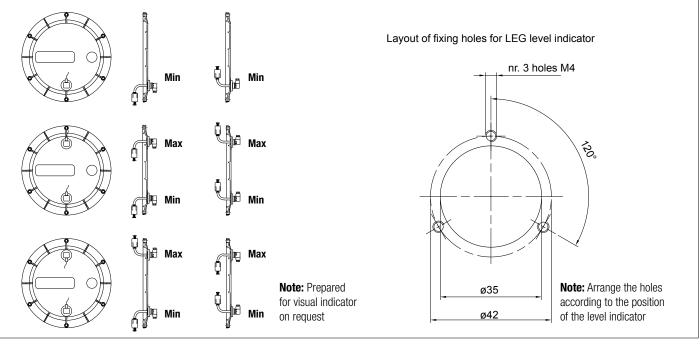




LEG

LEG series electrical level indicators (see page 106) are supplied with a 3-hole fixing flange and a reed switch having NC-NO contacts. Designed typically for installation on the vertical walls of oil tanks, these devices can also be mounted onto OB475 inspection door to indicate the minimum and maximum oil levels in the tank.

To operate correctly, the float must be positioned vertically and at a minimum distance of 35 mm from walls made of ferrous metal.







SE10LT series

Aluminium tanks





SE10LT GENERAL INFORMATION

Technical data

Aluminium tanks

With 10 litres capacity, MP Filtri aluminium tank SE10LT allows the assembly of a compact hydraulic power unit.

Made of pressure die-cast aluminium alloy, these tanks feature superior strength and optimum design and are ideal for compact hydraulic power units.

Generously proportioned fins ensure efficient cooling.

The tank is supplied with:

- M6 threaded fixing holes for lid
- feet with M8 threaded fixing holes
- G 3/8" threaded drain hole

The lid is sealed by a gasket made of special paper, which must be ordered separately indicating code "GUS 10.0".

Material Pressure die-cast aluminium alloy

Weight SE10LT 4 kg



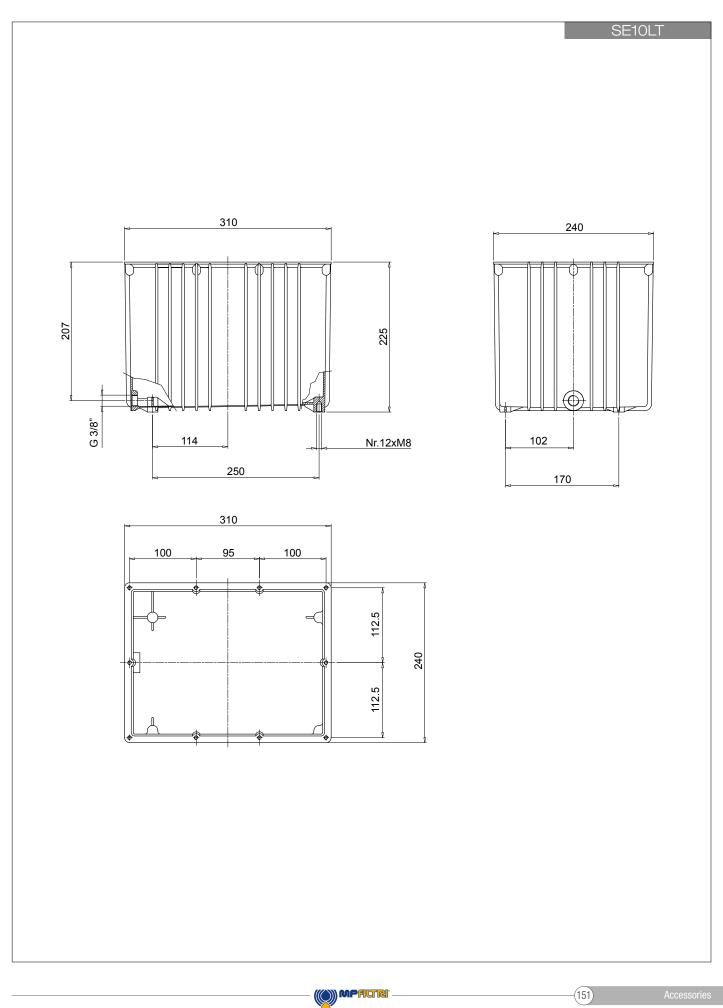
Designation & Ordering code

SE10LT

Size SE10LT



Dimensions



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WORLDWIDE NETWORK

HEADQUARTERS

MP Filtri S.p.A. Pessano con Bornago Milano Italy sales@mpfiltri.com

BRANCH OFFICES

ITALFILTRI LLC Moscow Russia mpfiltrirussia@yahoo.com

MP Filtri Canada Inc. Concord, Ontario Canada sales@mpfiltricanada.com

MP Filtri France SAS Lyon AURA France sales@mpfiltrifrance.com

MP Filtri Germany GmbH St. Ingbert Germany sales@mpfiltri.de **MP Filtri India Pvt. Ltd.** Bangalore India sales@mpfiltri.co.in

MP Filtri (Shanghai) Co., Ltd. Shanghai P.R. China sales@mpfiltrishanghai.com

MP Filtri U.K. Ltd. Bourton on the Water Gloucestershire United Kingdom sales@mpfiltri.co.uk

MP Filtri U.S.A. Inc. Quakertown, PA U.S.A. sales@mpfiltriusa.com

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