

“Y” COMPACT FILTER - M-M



art. P21 - P21V



art. P22



art. P23 - P23V

Description

Barberi[®] impurity collecting filters are valves with cylindrical filter, that can be easily taken out and inspected for the normal cleaning and maintenance operation. They are normally used in sanitary water installations, raised waterworks, heating circuits, heating main stations, heat generators (hang wall boilers, wood boilers, heating pumps), thermal solar installations, generic industrial and agricultural water installations.

For applications where high temperatures are requested, the same valves but with viton washer could be considered (art. ref. P21V). The filter P22 and the fitting P23 are usually used for drain cock or probe holder installation.

Articles range

art. P21	Compact “Y” filter - M-M
art. P21V	Compact “Y” filter - M-M - viton tightness
art. P22	Compact “Y” filter - M-M with 1/2” plug suitable for probe holder
art. P23	Fitting - M-M with plug suitable for probe holder
art. P23V	Fitting - M-M with plug suitable for probe holder - viton tightness

Features • P21 • P22 • P23

Min - max. acceptable temperature(peaks):
-20 °C (see suitable fluids) – 110 °C
Min - max. working temperature:
0 °C (no frost) – 95 °C
Max working pressure: **16 bar**
Suitable fluids: **water for heating installations, glycoled water (max 30%), sanitary water**
Installation's connections: **threaded connections ISO 228/1**
Tests: **UNI EN12266-1 §A.3**

Features • P21V • P23V

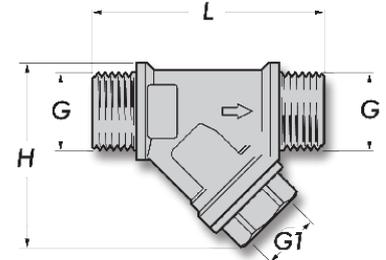
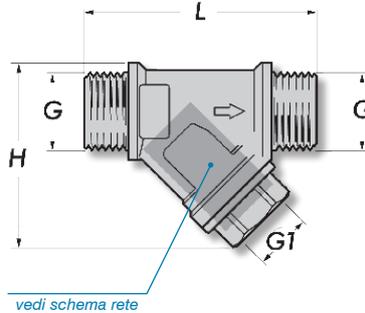
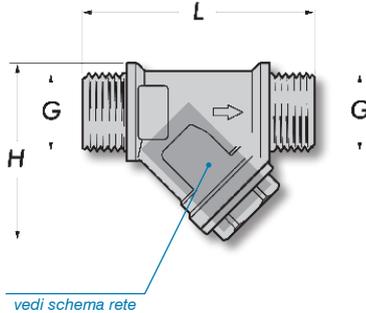
Min - max. acceptable temperature(peaks):
-20 °C (see suitable fluids) – 175 °C
Min - max. working temperature:
0 °C (no frost) – 150 °C
Max working pressure: **16 bar**
Suitable fluids: **water for heating installations, glycoled water (max 50%), sanitary water**
Installation's connections: **threaded connections ISO 228/1**
Tests: **UNI EN12266-1 §A.3**

Materials

Valve's body: **Brass UNI EN 12165 CW617N**
Washers: **NBR**
VITON (art. P21V, P23V)
Cartridge: **Steel AISI 304** (art. P21 - P21V - P22)

“Y” COMPACT FILTER - M-M

Dimension



Code	P	G	H	L	Weight	N. P/B	N. P/C
P21015000	16	1/2"	48	60	114	20	160
P21020000	16	3/4"	59	74	200	14	84
P21025000	16	1"	70	92	340	10	60
P21032000	16	1 1/4"	86	102	512	5	20
P21020000V	16	3/4"	59	74	200	14	84

Code	P	G	G1	H	L	Weight	N. P/B	N. P/C
P22015000	16	1/2"	1/2"	53	60	114	20	160
P22020000	16	3/4"	1/2"	62	74	190	14	84
P22025000	16	1"	1/2"	70	92	502	10	60

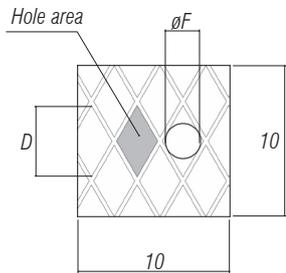
Code	P	G	G1	H	L	Weight	N. P/B	N. P/C
P23015000	16	1/2"	1/2"	53	60	114	20	160
P23020000	16	3/4"	1/2"	62	74	190	14	84
P23025000	16	1"	1/2"	70	92	502	10	60
P23020000V	16	3/4"	1/2"	59	74	200	14	84

P: max pressure - Weight (grams) - N. P/B: number of pieces in box, plastic bag - N. P/C: number of pieces in carton

Mesh sizes

STANDARD CARTRIDGE

ON REQUEST



n° holes/cm ²	70	270	24
Hole area	0.25 mm ²	0.025 mm ²	1.0 mm ²
D	1.0 mm	0.5 mm	2.0 mm
øF	0.50 mm (500 µm)	0.3 mm (300 µm)	1.0 mm (1000 µm)

As regards the values of the Hole area, D and øF's tolerance ±15% has to be considered.

Installation

Valves can be mounted in every position. For a correct installation please refer to the flow direction indicated from the arrow printed on the valve body. Connection to pipes is made through threads using standard plumbing skills.

With the simple use of the sensor-holder plug it is possible to replace the sensor-older body in a easier and cheaper way in order to make the product suitable to the different sensor typologies present in the market.

Maintenance

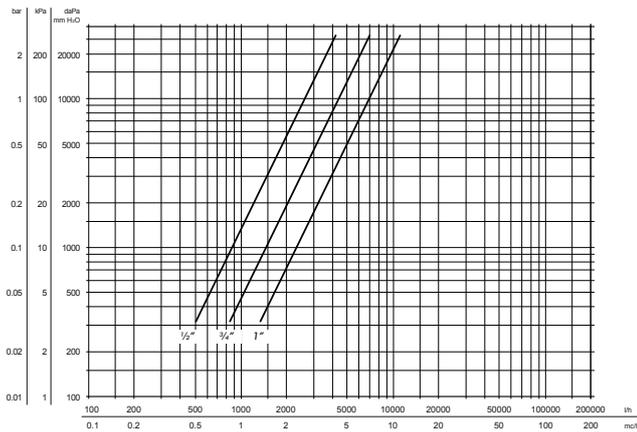
Valves don't require particular maintenance. In any case, it is recommended to check the valve periodically, according to the use frequency and the working conditions. The plug allows to control the filter's status and its eventual cleaning, without being removed from the body.



“Y” COMPACT FILTER - M-M

Diagram

art. P21 - P21V - P22



Fittings

Art. P28-I1

Plunged fitting for probe's carrying - seat on probe



Max. working temperature: 95 °C
Probe diameter: 6 mm

code	size	P [bar]
P2801500011	1/2"	16

Art. P28-I4

Blanked fitting for probe's carrying



Max. working temperature: 95 °C
Probe diameter: 6 mm

code	size	P [bar]
P2801500014	1/2"	16

Art. P28-I4V

Blanked fitting for probe's carrying - viton tightness



Max. working temperature: 150 °C
Probe diameter: 6 mm

code	size	P [bar]
P2801500014V	1/2"	16