

PULIFIL
SEMI-AUTOMATIC CLEANING FILTER

Equipment for drinking water treatment



Finality

Impurities such as sand, rust flakes, lime deposits and coarse material can damage the water distribution line and household appliances (pipes, valves, mixers, faucets, washing machines, etc.). The installation of a protection filter is the most simple and efficient alternative to avoid such problems.

PuliFIL is a semi-automatic protection cleaning filter with a standard filtration rating of 89 micron which retains coarse impurities from water preventing them from damaging the system.

Operation

Raw water entering PuliFIL flows from the outside toward the inside of the filtering cartridge. PuliFIL is an innovative filter with a patented system of cleaning composed by two different actions: brushing of the filtering cartridge and high speed discharge. This method allows an efficient and thorough cleaning both of the filtering cartridge and the filter bowl. The cleaning is started by rotating clockwise the upper green knob: this movement activates, at each click, the brushing system and the opening of the

discharge valve which creates an high speed tangential flow which removes impurities accumulated in the filter bowl.

Key features



PuliFIL head's is made in brass resistant to mechanical shear stresses due to installation which usually lead to breakage of plastic heads. The vessel,

equipped with the discharge valve, is made in high-tenacity polyamide (maximum pressure 16 bar). The filtering surface is in stainless steel soldered on a stretched wire netting. The particular structure of the filtering cartridge makes it resistant to mechanical shocks and pressure gradients eliminating deformation and crushing of the filtering cartridge.



PuliFIL's cleaning brushes are equipped with silver inserts which contrast the bacterial proliferation in the

filter. PuliFIL meets Italian requirements for drinking water treatment.

The standard filtration rating of PuliFIL is 89 microns; other filtration ratings (30, 50, 150 microns) are available upon request.



PuliFIL with 1"1/2 and 2" connections are equipped with two pressure gauges to monitor pressure drop through the



PULIFIL

SEMI-AUTOMATIC CLEANING FILTER

Equipment for drinking water treatment



filtering cartridge enabling one to easily determine the degree of clogging.

Intended use, use conditions

PuliFIL has been specifically designed for the filtration of cold drinking water predominantly in civil applications but it may also be used for the protection of water distribution lines in technological applications (heating and cooling systems, industrial installations, etc.).

Maintenance and duration

PuliFIL requires the periodic removal of dirt from the bowl and the mechanical cleaning of the cartridge.

PuliFIL must be included in the periodic plan of cleaning and sanitization of the distribution system. Each time the system is sanitized it is also necessary to carry out the sanitization of PuliFIL. For a proper maintenance two annual inspections are recommended.

Installation

Install in agreement with local regulations. Install only in hygienically suitable places.

PuliFIL should be installed in the cold water line upstream of the appliance (boiler, heat exchanger, etc.) to be protected. Do not install in the hot water line or downstream of the appliance to be protected. Install by-pass valves. Read the Installation Manual supplied with PuliFIL.

Warnings

Cleaning and self-cleaning filters are protection filters and they are not suitable for the filtration of water containing silt, large amounts of sand and/or suspended material. In these cases it is necessary to use other types of filters.

Raw water

PuliFIL has been designed to treat only drinking water. Do not install in non-drinking water lines and contact Acqua Brevetti 95 s.r.l. for further information.

Compliance and Regulatory references

PuliFIL is manufactured in compliance with the Italian decree D.M. N°174/04, Italian decree D.M. 25/12.

The Italian decree D.P.R. N°59/09, decree D.M. N°37/08, standards UNI CTI 8065, UNI CTI 8884, UNI CTI 7550 prescribe the filtration of sanitary water.

Acqua Brevetti 95 s.r.l. works with a Quality System certified in compliance with the requirements of the UNI-EN ISO 9001:2008 with certificate 501007368 issued by TÜV Italy Srl.

Endowment

PuliFIL is packaged in a plastic bag put inside a paperboard box. The standard endowment includes: PuliFIL filter, plastic bag with N°2 nuts and N°2 tailpieces (PuliFIL 1"1/2 and 2"), instruction manual (including the conformity declaration), warranty certification.



PULIFIL

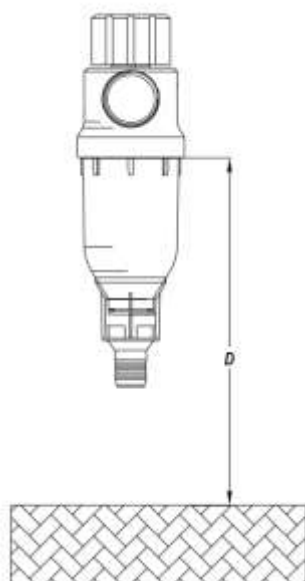
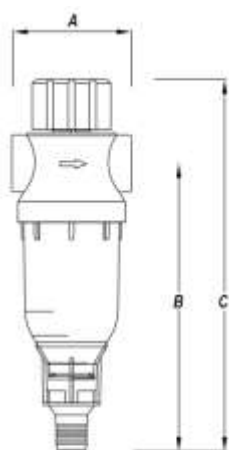
SEMI-AUTOMATIC CLEANING FILTER

Equipment for drinking water treatment

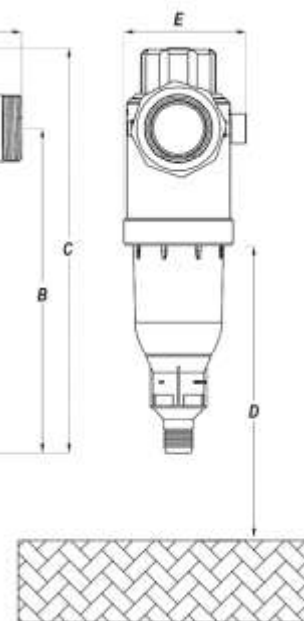
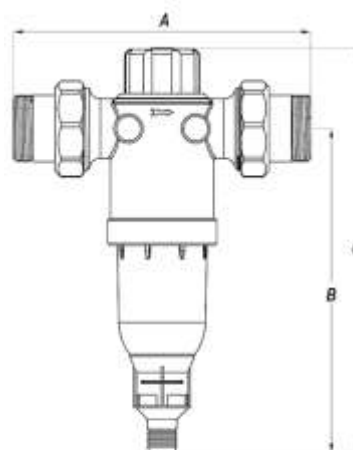


Performances and Technical datasheet

	<i>Units</i>	<i>FT010</i>	<i>FT012</i>	<i>FT014</i>	<i>FT016</i>	<i>FT018</i>
<i>Connections</i>	DN	¾" F	1" F	1"1/4 F	1"1/2 M	2" M
<i>Flow rate (ΔP=0.2 bar)</i>	m ³ /h	4.8	6.0	6.5	12.0	14.2
<i>Flow rate (ΔP=0.5 bar)</i>	m ³ /h	6.4	9.6	10.6	22.0	22.6
<i>Filtration rating</i>	micron	89				
<i>Min-max working pressure</i>	bar	1.5 - 16				
<i>Min-max water temperature</i>	°C	5 - 60				
<i>Min-max room temperature</i>	°C	5 - 40				
Dimensions						
<i>Width (A)</i>	mm	100	100	100	251	265
<i>Connection height (B)</i>	mm	240	240	240	289	289
<i>Total height (C)</i>	mm	310	310	310	361	361
<i>Ground distance (D)</i>	mm	min 400	min 400	min 400	min 600	min 600
<i>Total encumbrance (E)</i>	mm	100	100	100	109	109



PuliFIL connection ¾" - 1" -



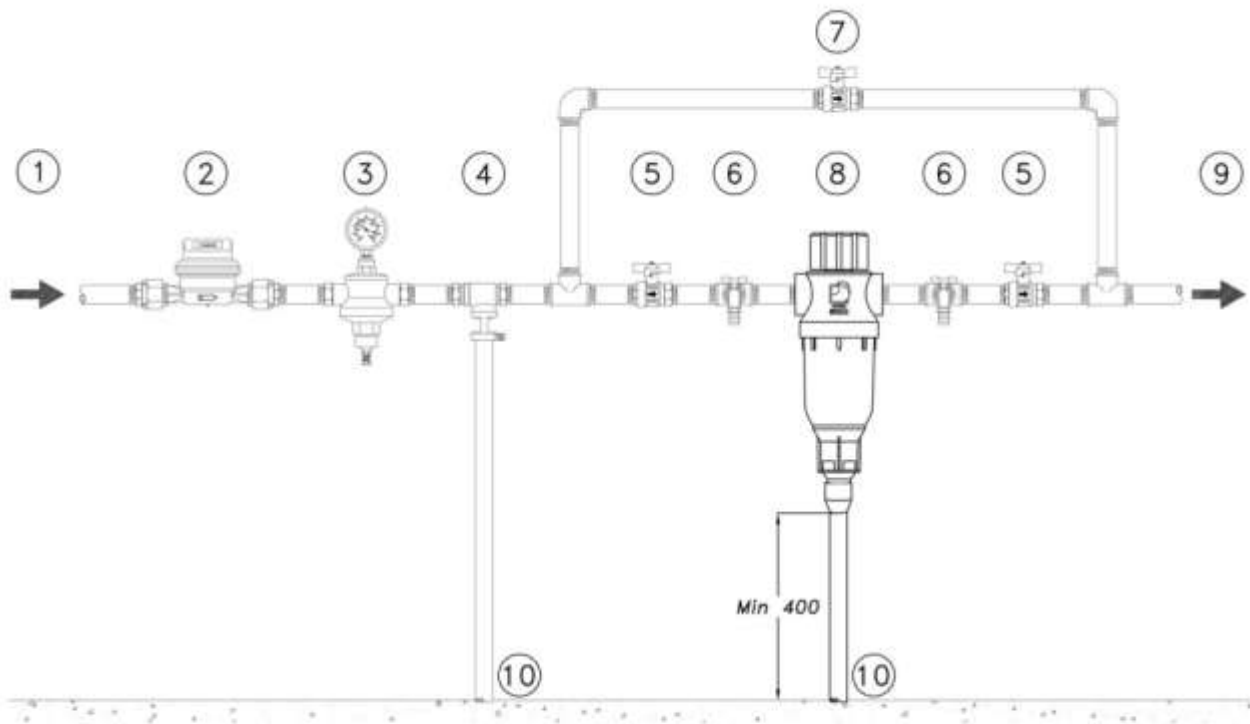
PuliFIL connections 1"1/2 - 2"

PULIFIL

SEMI-AUTOMATIC CLEANING FILTER

Equipment for drinking water treatment

Installation scheme



LEGENDA

1 Ingresso acqua grezza	5 Valvole di intercettazione	9 Uscita acqua trattata
2 Contatore generale	6 Rubinetti preleva-campione	10 Scarico
3 Riduttore di pressione	7 Valvola di by-pass	
4 Disconettore	8 Filtro Pulifil	



Schema di installazione Filtro Pulifil

DATA 02/2009
REV 12/02/09