

# HYDROPUL

SELF-CLEANING FILTERS

All the practicality you need,  
in compact and reliable solutions



COMPANY WITH  
MANAGEMENT SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =  
= ISO 14001 =  
= ISO 45001 =

 **ATLAS FILTRI**®  
improving water

# HYDROPUL

## SELF-CLEANING FILTERS

The **HYDROPUL** filters are designed with innovative solutions to perform high self-cleaning efficiency, thanks to the cross flow washing mode that ensures a high level of sediment removal from the cartridge. The filter has a nominal rating of 70 micron.

When the filtering element is clogged, the self-cleaning operation is activated by simply opening the drain ball valve at the bottom of the filter. The cross flow of water conveys the sediments trapped on the outer surface of the cartridge to the drain. By closing back the drain ball valve, the filter immediately returns operational.

The **HYDROPUL** self-cleaning filters can be equipped with a drain funnel (optional) designed for the prevention of returns of water to the drinking water mains while the filter is in drain mode, in compliance with the UNI EN 1717 European Standard of November 2002. The drain funnel operates by venting all water downstream the drain valve (protection unit symbol: DC).

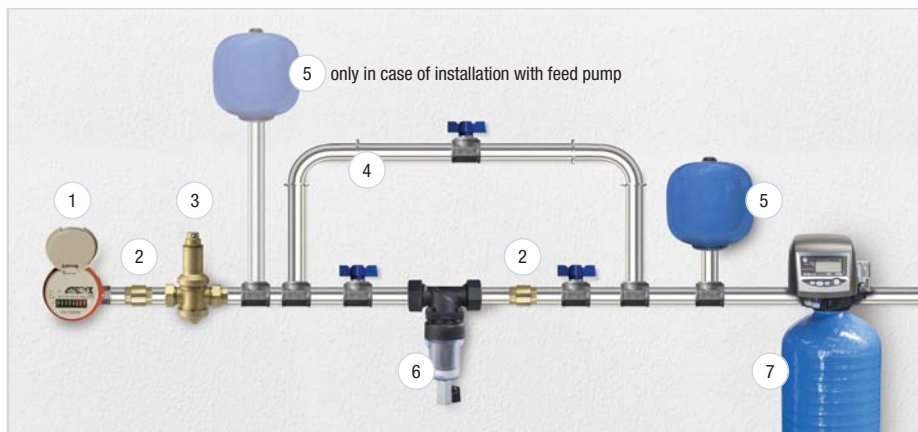
The HYDROPUL cleaning filters are available in 3 versions for COLD WATER:

- **HYDROPUL 1** with 3/4" and 1" BSPP plastic connections (all included in the package)
- **HYDROPUL 2** with 3/4" BSPP brass connections
- **HYDROPUL 3** with 1" BSPP brass connections

The HYDROPUL HOT cleaning filters are available in 3 versions for HOT WATER:

- **HYDROPUL HOT 1** with 3/4" and 1" BSPP plastic connections (all included in the package)
- **HYDROPUL HOT 2** with 3/4" BSPP brass connections
- **HYDROPUL HOT 3** with 1" BSPP brass connections

### Installation Scheme



- 1 - Water meter (Point of entry)
- 2 - Non-return valve
- 3 - Pressure reducer (to be installed if pressure exceeds 8 bar)
- 4 - By-pass
- 5 - Anti-water hammer device (expansion vessel)
- 6 - Hydropul / Hydropul HOT
- 7 - Softener

### RA MINI DEDICATED CARTRIDGE



### TECHNICAL FEATURES

**Filter cartridge:** AISI 304 L stainless steel

**Filtration rating:** 70 µm

**Filter cartridge end caps:** polypropylene

**O-rings:** EPDM

### ACCESSORIES INCLUDED



HYDROPUL spanner



drain ball valve

### OPTIONAL



plastic hose-holder



drain funnel  
in compliance with UNI EN 1717/2002

### CERTIFICATIONS



Housings are tested and certified under the most stringent procedures worldwide, **in compliance with DM 25 (Italy) and with the sanitary certification EAC/Ghostreghistrizia (Russia).**

### SYMBOLS LEGEND



For residential use



For technical  
and industrial use



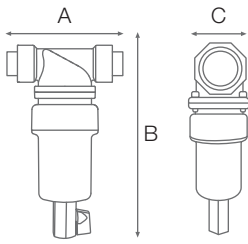
# HYDROPUL

## WORKING CONDITIONS

Max working pressure \_\_\_\_\_ 8 bar (116 psi)  
 Max working temperature:  
**HYDROPUL** \_\_\_\_\_ 45°C (113°F)  
**HYDROPUL HOT** \_\_\_\_\_ 70°C (158°F)  
 Min working temperature \_\_\_\_\_ 4°C (39,2°F)

## SPECIFICATIONS

Selected raw materials, suitable for drinking water.  
 Head:  
**HYDROPUL 1 | HYDROPUL HOT 1:**  
 reinforced PA66 polyamide.  
**HYDROPUL 2-3 | HYDROPUL HOT 2-3:**  
 reinforced PA66 polyamide + CW 617 N brass connection unit.  
 Bowl:  
**HYDROPUL:** SAN.  
**HYDROPUL HOT:** reinforced PA66 polyamide.  
 Flat gaskets: NBR.  
 Ball valve: externally nickel-plated CW 614 N brass.  
 Nipple and drain funnel: reinforced polypropylene.



## HYDROPUL self-cleaning filter for cold water

### HOUSINGS WITH PLASTIC BSPP THREADS

CODE	MODEL	IN/OUT	FLOW RATE I/h	DIMENSIONS mm		
				A	B	C
RE6170911	HYDROPUL 1	3/4" - 1"	3000	135	220	70



### HOUSINGS WITH BRASS BSPP THREADS

CODE	MODEL	IN/OUT	FLOW RATE I/h	DIMENSIONS mm		
				A	B	C
RE6170912	HYDROPUL 2	3/4"	2000	135	220	70
RE6170913	HYDROPUL 3	1"	3000	135	220	70



## HYDROPUL HOT self-cleaning filter for hot water

### HOUSINGS WITH PLASTIC BSPP THREADS

CODE	MODEL	IN/OUT	FLOW RATE I/h	DIMENSIONS mm		
				A	B	C
RE6170921	HYDROPUL HOT 1	3/4" - 1"	3000	135	220	70



### HOUSINGS WITH BRASS BSPP THREADS

CODE	MODEL	IN/OUT	FLOW RATE I/h	DIMENSIONS mm		
				A	B	C
RE6170922	HYDROPUL HOT 2	3/4"	2000	135	220	70
RE6170923	HYDROPUL HOT 3	1"	3000	135	220	70



