



Prevents scale buildup and extends the life of your water heater.

Benefits

- The filter promotes formation of inactive scale crystals which flow through the water heater without sticking to the heat exchanger.
- The filter does not add chemicals to the water or require electricity.
- Low maintenance; one simple filter change every two years.

Specifications

Model	PP-AS20
Connection Size	3/4" NPT
Operating Pressure Range	20-100 psi
Replacement Cycle	2 years
Operating Temperature	40-100° F
Rated Flow	7 gpm
Weight	5.6 lbs

Warranty

- The Product Preservers® cartridge system is warranted to be free of defects in materials and workmanship for two years from the date of original shipment.
- Product Preservers® filter cartridges are warranted for performance for a period of two years from the date of original installation when installed and operated in accordance with the instructions in the corresponding Installation and Operation Manual.

Components Included

1	5" Top Housing
1	Blue 20" Sump
1	Pre-installed O-ring
1	Descaler Cartridge
1	Mounting Bracket
4	Screws

Proper maintenance of the water heater is required when water heater quality does not meet EPA standards. Damage caused by poor water quality is not covered under warranty. The following table shows the maximum contaminant levels allowed. If you suspect that your water is contaminated in any way, discontinue use of the water heater and contact an authorized technician or licensed professional.

Water Quality Guidelines

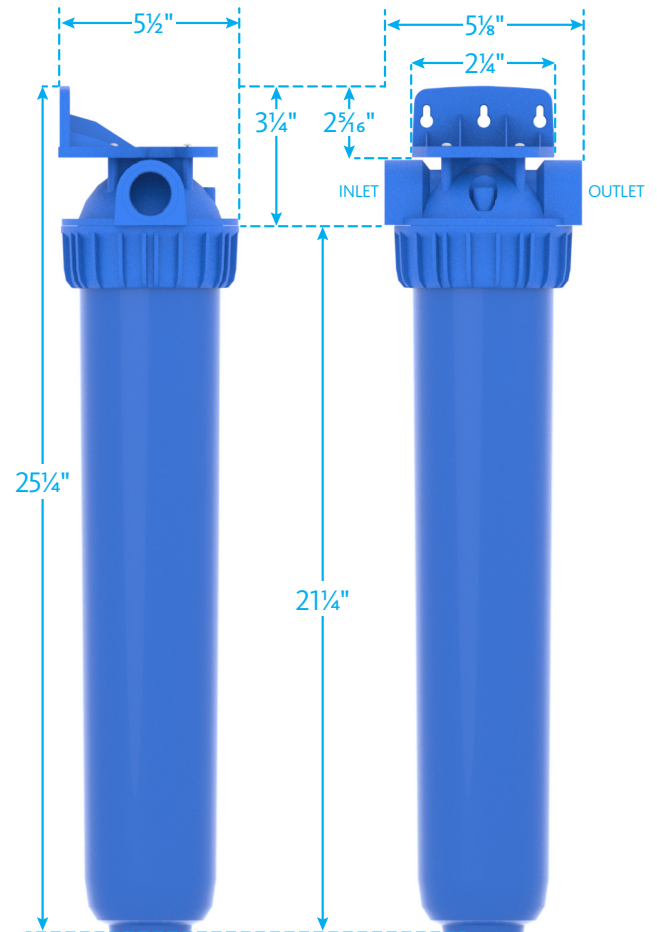
Contaminant	Max Allowed by Product Preserver
Total Hardness	<45 grains (780 ppm CaCO ₃)
Aluminum	.05 — .2 mg/l
Chloride	Up to 250 mg/l
Chlorine	<3 ppm
Copper	1.3 ppm
Iron	.5 mg/l
Manganese	Up to .05 mg/l
Oil & H ₂ S	None Allowed
pH	6.5-9.5
Polyphosphate	None Allowed
Salinity (Max)	35000 PPM
Sulfate	Up to 250 mg/l
TDS	Up to 500 mg/l
Zinc	Up to 5mg/l

Replacement

Part Number	PP-AS20R
Replacement Cycle	2 years

Pressure Drop

Flow rate	Typical Pressure Drop
3 gpm	4-5 psi
4 gpm	6-7 psi
5 gpm	10 psi
7 gpm	19-20 psi
9 gpm	30 psi



Operating Recommendations

- Please read installation instructions carefully and completely before installing unit.
- If copper lines are in service you must passivate the lines for a minimum of 3 weeks before installing the system. Do not use on a closed loop system.
- Install unit in a vertical, upright, and level position.
- Allow a minimum of 3" under the system for cartridge replacements.
- Install on cold water lines only.