

## Inline Descaling System

### Product Specifications

**PSWFDSAS20**

#### Product Features

- Prevents scale buildup and extends the life of your water heater
- Promotes formation of inactive scale crystals which flow through the water heater without sticking to the heat exchanger
- Does not add chemicals to the water or require electricity
- Low maintenance; one simple filter change every two years

#### Specifications

<b>Connection Size</b>	1" NPT
<b>Operating Pressure Range</b>	20-100 psi
<b>Replacement Cycle</b>	2 years
<b>Operating Temperature</b>	40-100° F
<b>Rated Flow</b>	7 gpm
<b>Weight</b>	5.6 lbs

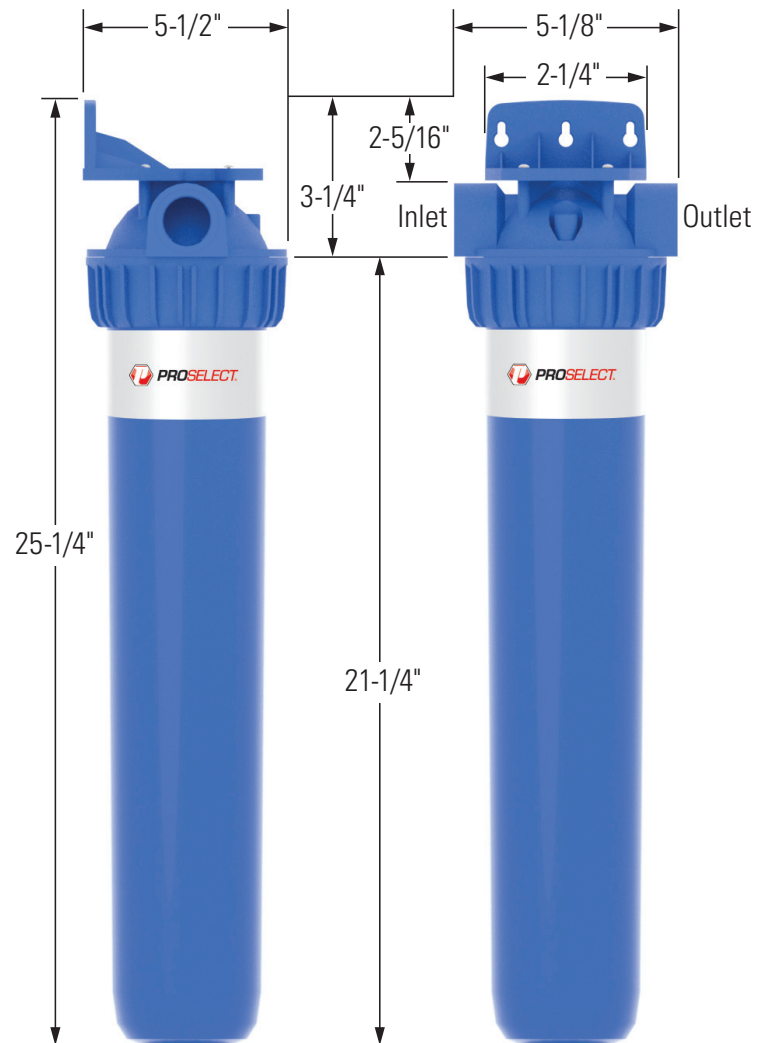
#### Components Included

<b>5" Top Housing</b>	1
<b>Blue 20" Sump</b>	1
<b>Pre-installed O-ring</b>	1
<b>Descaler Cartridge</b>	1
<b>Mounting Bracket</b>	1
<b>Screws</b>	4
<b>Wrench</b>	1

#### Warranty

The anti-scale filter system is warranted to be free of defects in materials and workmanship for two years from the date of original shipment.

The anti-scale filter system is 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.



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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
Total Hardness	<45 grains (780 ppm CaCO <sub>3</sub> )
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 <sub>2</sub> 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

### 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.

### Replacement

Part Number	Replacement Cycle
PSWFDSRCAS20	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