

SEDIMENT FILTRATION



INLINE CENTRIFUGAL SEDIMENT FILTERS FOR HOT WATER APPLICATIONS



Hot Water Spin Down Sediment Filter

Hot Water Sediment Trapper Filter

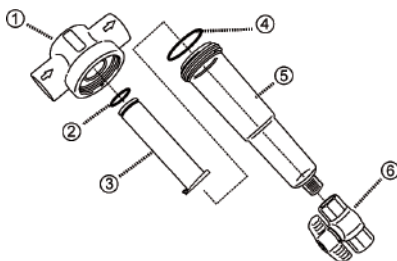
Hot Water Spin Down Filters make solid particle removal simple and economical. These inline centrifugal filters provide the same efficient and powerful sediment filtration as our Spin Down filters, while adding resistance to high temperatures (up to 200°F). Additionally, the Hot Water Filter's thermoplastic construction allows for increased chemical resistance. **Hot Water Sediment Trapper Filters** offer a larger storage area (less maintenance time) and a unique element that separates the sediment and traps it beneath the element where it collects until flushed away.

- Easily flush sediment from filter by simply opening purge valve
- Clear cover easily removed for total cleaning
- No tools required (hand tighten only—using tools voids warranty)
- Sediment is visible through clear cover indicating need for flushing
- Cleanable and reusable stainless steel filter screen
- Designed for hot water applications up to 200°F (93°C)

SCREEN SIZES

| Mesh | Microns | Opening | |
|------|---------|---------|-------|
| | | inches | mm |
| 30 | 533 | 0.021 | 0.533 |
| 60 | 254 | 0.010 | 0.254 |
| 100 | 152 | 0.006 | 0.152 |
| 140 | 104 | 0.004 | 0.102 |
| 200 | 74 | 0.0029 | 0.073 |

NOTE: See Mesh Selection table on next page for mesh size recommendations.



REPLACEMENT PARTS AVAILABLE

- | | |
|-------------------|-----------------|
| 1. Body | 4. Cover O-ring |
| 2. Element O-ring | 5. Cover |
| 3. Element | 6. Purge Valve |

APPLICATIONS

Geothermal Systems, Cooling Towers, Hot Water Heaters, Hydronic Radiant Floor Heating Systems, Industrial (Machine Coolant and Cutting Fluids), Spas/Jacuzzis

ORDERING INFORMATION

- UR34-(*)HT-F** 0.75 inch FPT Hot Water Spin Down Filter
UR34-(*)STHT-F 0.75 inch FPT Hot Water Sediment Trapper Filter
UR12-(*)HT-F 1.25 inch FPT Hot Water Spin Down Filter
UR15-(*)HT-F 1.5 inch FPT Hot Water Spin Down Filter

(*) = Mesh Size: 30, 60, 100, 140, 200

Examples:

- UR12-100HT-F** = Hot Water Spin Down Filter with 1.25 inch FPT connections and 100 mesh high temperature stainless steel screen
UR34-60STHT-F = Hot Water Sediment Trapper Filter with 0.75 inch FPT connections and 60 mesh high temperature stainless steel screen

MATERIALS OF CONSTRUCTION

Body: Polypropylene with Stainless Steel support ring
Cover: Heat/chemical resistant HP polymer
Element: Polypropylene with Stainless Steel screen

Purge Valve: CPVC
O-rings: EPDM

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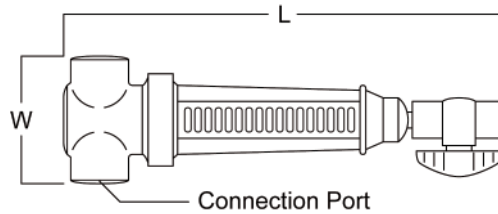


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MESH SELECTION

| Material in Water | Application | Mesh Size |
|--------------------------------|---|----------------|
| Shale, shell | General use | 24 |
| Debris | General use | 24, 30, 40 |
| Pipe scale, coarse sand | Sprinkler systems, faucet aerators, sand sensitive valves | 40, 60 |
| Fine sand, grit from new wells | Drip irrigation systems, faucet aerators, sand sensitive valves | 100, 140 |
| | Poultry growers, watering devices | 100 |
| | Fogger nozzles | 140 |
| Very fine sand and grit | Pre-treatment | 250, 500 |
| | Pre-treatment, ultra water systems, RO, etc. | 1000 |
| Algae | Grows in presence of light under clear filter cover | Use Sun Shield |

NOTE: In general, use the coarsest screen deemed necessary to filter the material you want removed. This will result in longer runs between blow-downs.

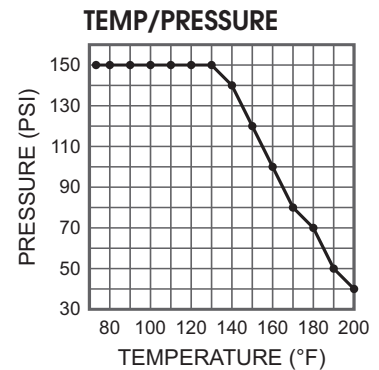
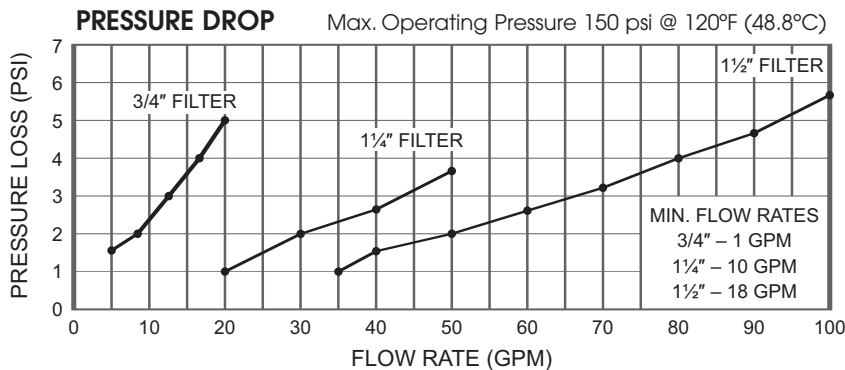


HOT WATER SPIN DOWN FILTER SPECIFICATIONS

| Port Size | Length | Width | Flow Capacity |
|------------|-------------|------------|---------------|
| 3/4 inch | 11-3/8 inch | 5 inch | 1 to 25 gpm |
| 1-1/4 inch | 15-3/8 inch | 5-1/4 inch | 10 to 50 gpm |
| 1-1/2 inch | 17-7/8 inch | 5-1/2 inch | 18 to 100 gpm |

HOT WATER SEDIMENT TRAPPER SPECIFICATIONS

| Port Size | Length | Width | Flow Capacity |
|-----------|-------------|--------|---------------|
| 3/4 inch | 14-3/8 inch | 5 inch | 1 to 25 gpm |



NOTE: These filters are specially designed for use in applications with water temperatures up to 200°F.