

# SPH Series

Plastic Filter Housings



- Economical alternative to metal filter housings in low pressure and cold water applications
- Rugged design provides trouble-free service
- Ideal for corrosive or sensitive fluids
- Holds 10 and 20 inch length cartridges with DOE or internal o-ring end cap configurations
- Holds standard 2 1/2" and large 4 1/2" diameter cartridges.
- High temperature housings made of reinforced Nylon for use up to 200°F (93°C)
- Meets FDA requirements for potable water and food and beverage applications.
- Optional mounting bracket available for easy installation

## Applications

|                 |                          |
|-----------------|--------------------------|
| Water           | Chemicals                |
| Food & Beverage | Electronics              |
| DI Water        | Inks / Paints / Coatings |
| Coolants        | Pulp & Paper             |

## Specifications & Operating Parameters

### Maximum Operating Pressure

125 psig (8.75 bar) @ 125°F (93°C)

### Minimum / Maximum Temperature

40°F (°C) / 125°F (93°C)

### Connections

Inlet /Outlet:

Standard: 1/2" or 3/4" FNPT

Heavy Duty (BB): 1" or 1 1/2" FNPT

### Materials of Construction

Head: FDA grade Polypropylene

Clear Sump: Styrene-Acrylonitrile

Opaque Sump: Polypropylene

### Gaskets

Standard EPR

Optional Viton

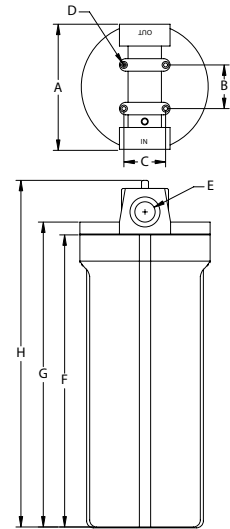
### Options

Mounting Bracket Kits

(See ordering guide for details)

## Dimensions

| MODEL    | A               | B              | C              | D                | E                | F               |
|----------|-----------------|----------------|----------------|------------------|------------------|-----------------|
| SPH_5    | 4.28" (10.9 cm) | 1.57" (4.0 cm) | 1.18" (3.0 cm) | 0.16" (.40 cm)   | 7.5" (19.0 cm)   | 5.7" (14.5 cm)  |
| SPH_10   | 4.72" (12.0 cm) | 1.57" (4.0 cm) | 1.18" (3.0 cm) | 0.16" (.40 cm)   | 10.5" (26.7 cm)  | 11.8" (30.0 cm) |
| SPH_20   | 4.72" (12.0 cm) | 1.57" (4.0 cm) | 1.18" (3.0 cm) | 0.16" (.40 cm)   | 20.47" (52.0 cm) | 22.8" (57.9 cm) |
| SPH_10C  | 5.35" (13.6 cm) | 2.22" (5.6 cm) | 2.28" (5.8 cm) | 0.23" (0.58 cm)  | 10.4" (26.5 cm)  | 12.5" (31.8 cm) |
| SPH_20C  | 5.35" (13.6 cm) | 2.22" (5.6 cm) | 2.28" (5.8 cm) | 0.23" (0.58 cm)  | 20.47" (52.0 cm) | 22.8" (57.9 cm) |
| SPH_10BB | 7.28" (18.5 cm) | 3.03" (7.7 cm) | 3.03" (7.7 cm) | 0.275" (0.70 cm) | 11.33" (28.8 cm) | 14.0" (35.6 cm) |
| SPH_20BB | 7.28" (18.5 cm) | 3.03" (7.7 cm) | 3.03" (7.7 cm) | 0.275" (0.70 cm) | 21.25" (54.0 cm) | 24.0" (61.0 cm) |
| SPH_10HT | 5.35" (13.6 cm) | 2.22" (5.6 cm) | 2.28" (5.8 cm) | 0.23" (0.58 cm)  | 10.4" (26.5 cm)  | 12.5" (31.8 cm) |
| SPH_20HT | 5.35" (13.6 cm) | 2.22" (5.6 cm) | 2.28" (5.8 cm) | 0.23" (0.58 cm)  | 20.47" (52.0 cm) | 22.8" (57.9 cm) |



## Models

| MODEL  | COLORS (HEAD/SUMP) FEATURES  | CARTRIDGE LENGTH                      | CONNECTION             | GASKET                               | OPTIONAL MOUNTING KIT |
|--|--|---------------------------------------|------------------------|--------------------------------------|-----------------------|
| Standard Residential<br>SPHWW-5-12<br>SPHWC-5-12<br>SPHKB-10-34<br>SPHKB-20-34 | WW = White/White<br>WC = White/Clear<br>KB = Black/Blue            | 5 = 4 7/8"<br>10 = 9 7/8"<br>20 = 20" | 12 = 1/2"<br>34 = 3/4" | -<br>E = EPR (Standard)<br>V = Viton | -<br>BK1              |
| Commercial<br>SPHKB-10-34C<br>SPHKB-20-34C<br>SPHKC-10-34C<br>SPHKC-20-34C-PR  | KB = Black/Blue<br>KC = Black/Clear<br>PR = Pressure Release Valve | 10 = 9 7/8"<br>20 = 20"               | 12 = 1/2"<br>34 = 3/4" | E = EPR (Standard)<br>V = Viton      | BK2                   |
| Big Blue<br>SPHKB-10-1BB<br>SPHKB-20-1BB<br>SPHKC-10-15BB<br>SPHKC-20-15BB     | KB = Black/Blue<br>KC = Black/Clear                                | 10 = 9 7/8"<br>20 = 20"               | 1 = 1"<br>15 = 1 1/2"  | E = EPR (Standard)<br>V = Viton      | BK3                   |
| Valve-in-Head<br>SPHWW-10-34VH<br>SPHWC-10-34VH                                | WW = White/White<br>WC = White/Clear                               | 10*                                   | 1 = 1"<br>15 = 1 1/2"  | E = EPR (Standard)<br>V = Viton      | Not Available         |
| High Temperature<br>SPHRR-10-34HT<br>SPHRR-10-34HT                             | RR = Red/Red   | 10*                                   | 34 = 3/4"              | E = EPR (Standard)<br>V = Viton      | BK2                   |

## Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.