



Graver Technologies

FILTRATION | SEPARATION | PURIFICATION

# GSC™ Series Filter Housings

## Single Cartridge Filter Series



### Product Specifications

#### Materials:

316 Stainless Steel

#### Surface Finish:

##### External Surfaces:

Mechanically Polished

##### Internal Surfaces:

Acid Washed (Pickled)

### Operating Parameters

#### Maximum operating pressure:

Design pressures limits of 140 PSID  
(9.8 bar) @ 212°F (100°C)

#### Recommended operating pressure:

Limits of 100 PSID (6.8 bar)  
@ 165°F (74°C)

### Other Details

- Economical design accommodates cartridges up to 2.75" OD
- ¼" ports in the head and sump to allow alternate installation positions for draining/venting
- Models available for DOE, 222 and 226 cartridge connections
- Center Rod with top seal nut in DOE creates an ideal seal to accommodate industry cartridge length variations

The GSC Series of single cartridge metal filter cartridge housings are constructed of 316 stainless steel with a clamp closure to service a wide range of general purpose filter applications. The design allows for full sump drainage and is available to accommodate a range of cartridge configurations.

### FEATURES & BENEFITS

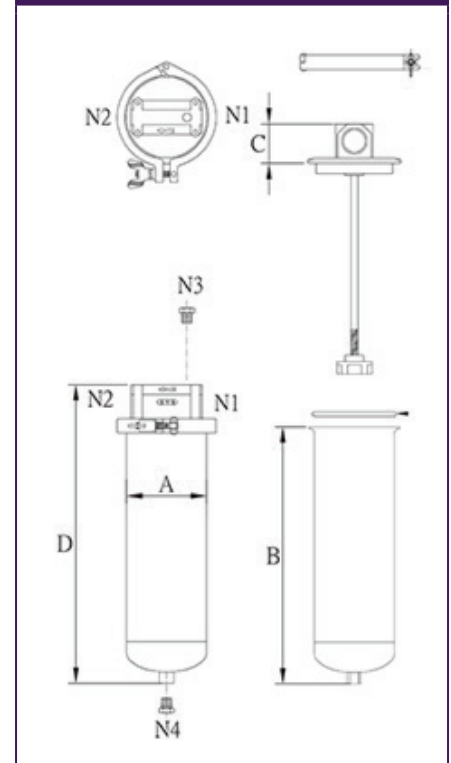
- Single shell construction for quick spill-free cartridge replacement
- In-line ¾" and 1" inlet/outlet connections for ease of installation
- Drains/Vent built in
- Flow rates of up to 7 GPM (26.5 lpm) per 10" filter cartridge
- Housing pressure drop is 0.6 PSID at 7 GPM (40mbar @ 26.5 lpm)
- Mounting bracket available

### TYPICAL APPLICATIONS

- Process Water
- Petrochemicals
- Coolants
- Paints/Inks
- Hydraulic fluids
- Solvents
- Plating solutions



### GSC DIMENSIONAL DRAWING



## GSC SERIES HOUSING NOMENCLATURE INFORMATION

| Model                    | Cartridge Length | Inlet / Outlet Size (inches) | Inlet/Outlet Type | Cartridge Type | Gasket                           |
|--------------------------|------------------|------------------------------|-------------------|----------------|----------------------------------|
| GSC                      | 10 10"           | -075 0.75"                   | -A 150# Flange    | -0 DOE         | -B Buna-N                        |
|                          | 20 20"           | -100 1.0"                    | -B BSPF           | -3 222         | -E EPDM                          |
|                          | 30 30"           |                              | -N NPTF           | -7 226         | -S Silicone                      |
|                          | 40 40"           |                              |                   |                | -T Teflon (Silicone)<br>-V Viton |
| Example: GSC10-075-N-0-B |                  |                              |                   |                |                                  |
| GSC                      | 10               | -075                         | -N                | -0             | -B                               |

## GSC DIMENSIONAL DATA

| Model | A             | B               | C            | D               | Weight           |
|-------|---------------|-----------------|--------------|-----------------|------------------|
| GSC10 | 4.2" (106 mm) | 13.4" (340 mm)  | 2.1" (52 mm) | 16.4" (422 mm)  | 8.8 lb (4 kg)    |
| GSC20 | 4.2" (106 mm) | 23.2" (590 mm)  | 2.1" (52 mm) | 26.5" (672 mm)  | 12.1 lb (5.5 kg) |
| GSC30 | 4.2" (106 mm) | 33.1" (840 mm)  | 2.1" (52 mm) | 36.3" (922 mm)  | 15.4 lb (7.0 kg) |
| GSC40 | 4.2" (106 mm) | 42.9" (1090 mm) | 2.1" (52 mm) | 46.1" (1172 mm) | 18.7 lb (8.5 kg) |

### FOR MORE INFORMATION

Customer Service/Technical Support: 1-888-353-0303  
 Europe (UK): +44-1424-777791 | China: +86-21-5238-6576  
 Asia: +65-9635-7690

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Graver Technologies | 200 Lake Drive, Glasgow, DE 19702 | 302-731-1700 | 800-249-1990  
 Fax: 1-302-369-0938 | info@gravertech.com | www.gravertech.com

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