

PGT Filter Housings



Sanitary, single-round gas filter housings for pharmaceutical processes

Features

- Crevice-free welding and sanitary design
- Several connection options available including quick-fit Stäubli*-type vent connections
- Features additional volume for condensate draining
- Operator-friendly V-clamp closure
- Choice of two surface finishes available
- Enhanced documentation package available on CD
- Suitable for use with hazardous gases or environments in accordance with ATEX PED directives

Benefits

- Simple, cost-effective sanitary housing
- Easy to implement into processing systems; enables simple, quick connection for filter integrity testing
- Minimizes filter blockage during steaming or venting applications
- Allows easy, quick service or filter change
- Enables flexibility when specifying housings for pharmaceutical applications or utility applications in pharmaceutical processes
- All parameters for qualification readily available
- Qualified, safe filter housing for demanding process conditions

Applications

PGT filter housings are ideal for use in gas or vent filtration applications in pharmaceutical, vaccine, biotech or plasma fractionation processes, but are equally suited to use in process filtration or utilities. Specifically designed and engineered for the filtration of air and gases, their cost-effective, sanitary design complements the high-flow capacities of Pall's existing Emflon® range of sterilizing gas filter cartridges, in order to ensure reliable and cost-efficient filtration.

Developed in accordance with the Life Sciences industry's demand for high-quality yet flexible, cost-effective products, PGT filter housings can be supplied in a range of different connection configurations, and with two different electropolish surface finish options. These features combine to ensure that PGT filter housings are suitable for the widest possible range of applications.



Specifications

Table 1

Operating Parameters

| | |
|-------------------------------|-----------------------------------|
| Maximum operating pressure | -1 to 10 barg (-14.5 to 150 psig) |
| Maximum operating temperature | 150 °C (300 °F) |

Materials of Construction

| | |
|-----------------------------|-------------------------------|
| Contact surfaces | 316L Stainless Steel (1.4404) |
| Non-wetted contact surfaces | 304 Stainless Steel (1.4301) |

Surface Finish

| | |
|-----------------------|---|
| Code 1 | Internal: Ra ≤ 0.38 µm (15 µin) electropolished (typical) External: Ra ≤ 0.8 µm (32 µin) electropolished (typical) |
| Code 3 | Internal: Ra ≤ 0.8 µm (32 µin) electropolished (typical) External: Ra ≤ 1.2 µm (48 µin) electropolished (typical) |
| Documentation options | Supplied with Housing Certificate (EN 10204 2.2 type) and manual as standard. Enhanced documentation package optionally available, supplied on CD |

Figure 1

Typical Gas Flow vs Differential Pressure for Empty PGT Housings

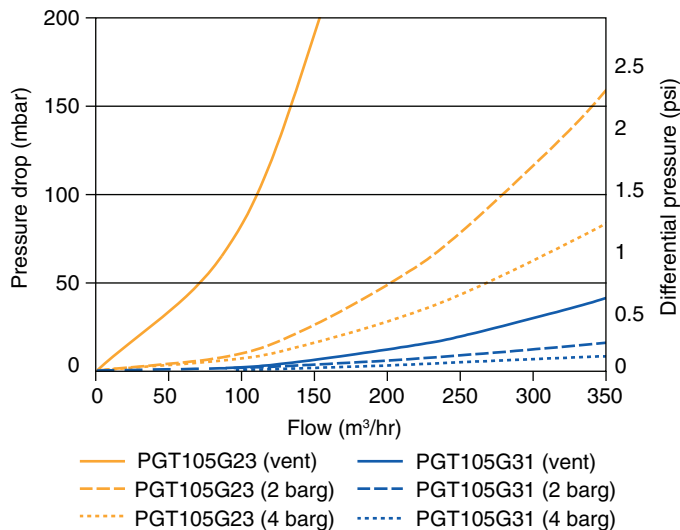


Figure 2

Drawing of Typical Housing with Dimensions

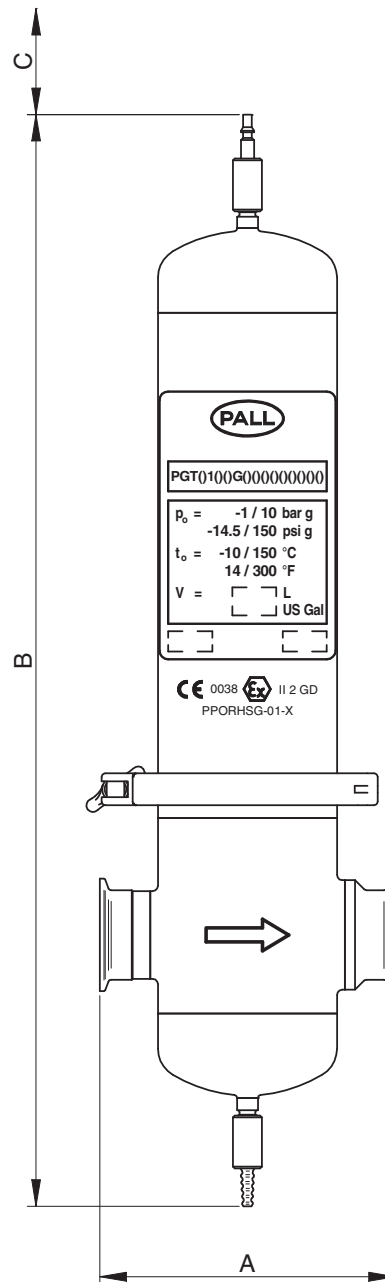


Table 2

Nominal Dimensions, Weights and Volumes

| | Code 05 | Code 1 | Code 2 | Code 3 |
|------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| Cartridge height | 127 mm (5 in.) | 254 mm (10 in.) | 508 mm (20 in.) | 762 mm (30 in.) |
| Dimension A | 168 ± 2 mm (6.6 in.) | 168 ± 2 mm (6.6 in.) | 168 ± 2 mm (6.6 in.) | 168 ± 2 mm (6.6 in.) |
| Dimension B | 495 ± 3 mm (19.5 in.) | 620 ± 3 mm (24.4 in.) | 880 ± 3 mm (34.6 in.) | 1140 ± 3 mm (44.9 in.) |
| Dimension C | 180 mm (7.1 in.) | 300 mm (11.8 in.) | 550 mm (21.6 in.) | 800 mm (31.5 in.) |
| Vol (L/US Gals)* | 2.6 L (0.68 US gal) | 3.6 L (0.95 US gal) | 5.6 L (1.48 US gal) | 7.5 L (1.98 US gal) |
| Weight (kg/lb)** | 3.3 kg (7.3 lb) | 3.7 kg (8.2 lb) | 4.7 kg (10.4 lb) | 5.7 kg (12.6 lb) |

* Based on inlet/outlet and vent/drain shown in Figure 2

** Volume and weight vary for different connection types

Ordering Information

For ordering information including spare parts and accessories, please visit www.pall.com/pgthousings



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