# HPG-S - PROCESS FILTER HOUSINGS

## Gas - Single Filter Housing



- Specifically designed for gas and air filtration applications in the food and beverage industry
- Includes plenum chamber for condensate management
- Quick release clamp closure
- PED 2014/68/EU and ATEX 2014/34/EU compliant
- PED Group 1 & 2 Gases

### Application and Availability

The HPG-S range accepts Parker's full range of C-Style (226) gas filter cartridges of nominal lengths 5" to 30" and suitable for the following market applications:

- Beer
- Wine
- Bottled Water
- Food Processing
- Dairy



### Specifications

**Materials:**
316L Stainless Steel

**Gasket Materials:**
Silicone, EPDM, Gylon®

**Housing Closure:**
Clamp

**Finish:**

| | |
|---|---|
| Base Internal: | Ra 0.4µm mechanical polish (downstream), Ra 0.8µm mechanical polish where accessible (upstream). |
| Bowl Internal: | Ra 0.4µm mechanical polished + Electropolish. |
| External surfaces: | Ra 0.4µm + Electropolish |

**Number of Cartridges:**
01

**Cartridge Height:**
5", 10", 20", 30"

**Cartridge location:**
C-Style (226)

## Connections

| | |
|---|---|
| **Inlet/Outlet:** | 1.0" Tri Clamp (BS4825 Pt3) |
| | 1.5" Tri Clamp (BS4825 Pt3) |
| | 2.0" Tri Clamp (BS4825 Pt3) |
| **Vent:** | 0.25" BSP (with plug) |
| **Drain:** | 0.25" BSP (with plug) |

## Design Conditions

| | | |
|---|---|---|
| **Liquid (Group 1 & 2):** | 5", 10", 20", 30" | = FV - 10barg |
| **Gas (Group 1):** | 5" & 10" | = FV - 10barg |
| | 20" | = FV - 8barg |
| | 30" | = FV - 6barg |
| **Gas (Group 2):** | 5", 10", 20", 30" | = FV - 10barg |
| **Temperature Range:** | -10°C to 150°C | |
| **PED 2014/68/EU:** | Compliant | |
| **PESR 2016 No. 1105:** | Compliant | |
| **ATEX:** | Compliant with 2014/34/EU, | |
| | Explosive Atmosphere Regulations 2016 | |
| | II 2G Ex h IIC T150 Gb | |
| | II 2D Ex h IIIC T150 Db | |
| **Fluid Groups:** | Gas Group 1 & 2 | |
| | Liquid Group 1 & 2 | |
| **Exceptions:** | Group 1 Liquids – Explosive | |
| **Markings:** | CE | |

## Documentation

Each filter housing is supplied as standard with a Hydrotest Certificate, EU Declaration, Material Certification, Surface Finish Certification and IOMI.

## Ordering Information

**HPG** - **S** [ ] **C** - [ ] **T** [ ] **S**

| Code | No. of filters |
|---|---|
| S | 1 |

| Code | Height |
|---|---|
| K | 5" |
| 1 | 10" |
| 2 | 20" |
| 3 | 30" |

| Code | Location |
|---|---|
| C | C-style |

| Code | Connection Size |
|---|---|
| B | 1" |
| C | 1.5" |
| D | 2" |

| Code | Connection Type |
|---|---|
| T | Tri-Clamp® |

| Code | O-Ring |
|---|---|
| E | EPDM |
| S | Silicone |
| G | Gylon® |

| Code | Document Pack |
|---|---|
| S | Standard |

Parker Hannifin Manufacturing Ltd,
Bioscience Filtration EMEA,
Durham Road, Birtley, Co. Durham, DH3 2SF, England

www.parker.com/bioprocessing

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