

# Hall Pyke



**Steam Filtration**

## **Process filter P-GS**

**The SMART choice for filtration**

## Process filter P-GS

### Sterile Filter of Sintered Steel for Gases, Liquids and Steam

#### Ultrafilter P-GS

The ultrafilter P-GS filter is designed for removal of particles from gases, liquids and steam. The P-GS consists of a regenerable weldless filter pipe made from sintered stainless steel. The retention rate extend from 1 µm to 25 µm.

#### Materials:

|                  |                    |
|------------------|--------------------|
| Filter media     | Sintered SS 1.4404 |
| Endcaps          | SS 1.4301          |
| Bonding material | Plastic Steel*     |
| O-Rings          | EPM**              |

\* > 150oC welded endcaps

\*\* Silicone, Buna N, Viton, Aflas or Kalrez on request

| Features:  | Benefits:  |
|--|--|
| Filter medium and endcaps made of stainless steel  | Good durability against most liquids, gases and aggressive steams        |
| Retention rate of 1 µm, 5 µm and 25 µm (98% efficiency for steam and 100 % efficiency for gases) | Exactly defined particle retention rate at given pore size               |
| Sintered stainless steel filter medium with a porosity level of more than 50 %                   | High dirt holding capacity, good flow rate at low differential pressure  |
| Regenerable with ultrasonic bath   | Filtration costs reduced to a minimum, in particular for hight dirt load |
| Stainless steel sintering technology   | No use of additives or other chemical binders needed                     |
| Available in 13 sizes  | Optimum filter size for individual application                           |
| Components made of stainless steel   | Temperature range from -20 °C up to 210 °C                               |

#### Filtration surface

494 cm<sup>2</sup> per 10" element  
(10/30) (250 mm)

#### Absolute retention rate

1 µm, 5 µm, 25 µm

#### Temperature range

-20 oC to 210 oC

#### Max. differential pressure

5 bar



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