

CF/5/S

The **CF/5/S** is the PF's filter used to **protect the pilot circuit of natural gas pressure regulators and instrumentation**. The standard cartridge will protect the pilot, and especially in case of elemental sulphur deposition (ESD). It is mainly used to remove liquid, gaseous, and solid contaminants generated under certain pressure and temperature conditions, leading to the pilot circuit's clogging. **CF/5/S** helps to **increase the regulator performance and reduce the maintenance**.



Features	Values
Design pressure*	up to 10.3 MPa up to 103 barg
Ambient temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Gas temperature range*	from -20 °C to +60 °C from -4 °F to +140 °F
Filtered medium	Natural gas, 20% hydrogen blend, biomethane
Removed contaminants	Dithiazine, odorant & mercaptan, elemental sulfur, moisture
Filtration degree	Up to 30 microns
Maximum flow rate	Up to 100 sm ³ /h Up to 3500 scfh
Inlet and outlet connections	1/4" FNPT
Optional accessory	Needle drain valve
<p>(*) NOTE: Different functional features and/or extended temperature ranges are available on request. Stated temperature ranges are the maximum for the equipment's full performance. Standard product may have a narrower range.</p>	

Table 1 Features

Materials and Approvals

Part	Material
Construction material	Carbon steel
Sealing	Nitrile rubber
Filter material	3/4 charcoal, 1/4 silica gel

NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

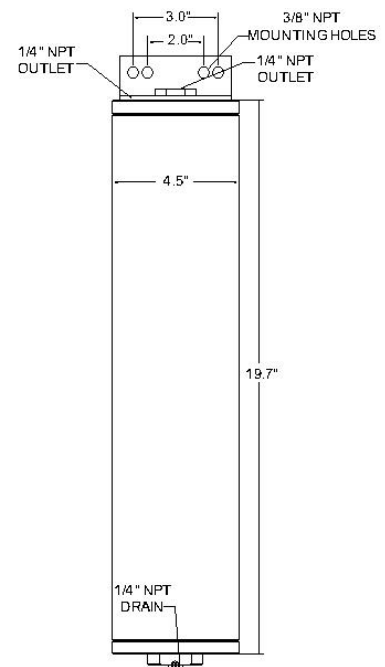
The filter body is designed according to ASME VIII div.1&2
The product is certified according to European Directive 2014/68/EU (PED).



ASME VIII



PED-CE



CF/5/S competitive advantages



Simplified cartridge swaps



Easy maintenance



Cartridge compatible with other brands



Biomethane and up to 20% hydrogen blending compatible



Robust cartridge design