

PG-EG stainless steel housing

Stainless steel gas filter housing in sanitary quality.

Product description:

PG-EG filter housings have been developed for the purification of compressed air or other technical gases in the pharmaceutical industry, biotechnology or chemical industry.

The housings of the PG-EG product series compose of clamp connection (multiple housing flange) with electro-polished surfaces finish of Ra 0.8 μm . The condensate drain at the bottom side of the housing and the deaeration at the top side are equipped with pharma valves.

The ultrafilter plug connection guarantees that the elements remain safely fixed at all times. Numerous different sizes of housings with various connections make it possible to adopt the filter system to the needed requirements. In this product series there are 14 different sizes of housings for operating volume flows of 7.5 to 2,700 m³ /h related to 1 bar(a) (4.5 to 1,620 scfm related to 14.7 psia) available.

Due to the ultrafilter modular design different filter elements can be used in a housing as needed in the application. The range covers prefilters as well as sterile depth or membrane filters with retention rates down to 0.01 μm . Low differential pressure at high flow rates, the electropolished surfaces, the clamp connections, and the pharma valves make the PG-EG housing the first choice in critical applications in the sterile filtration of technical gases or compressed air.

MATERIALS

Filter housings:	stainless steel 1.4301 (304) or 1.4404 (316L)
Clamp:	stainless steel 1.4301 (304)
Pharma plug:	stainless steel 1.4301 (304)
Pharma valve:	stainless steel 1.4301 (304)
Housing gasket:	EPDM (other gaskets on request)

MAXIMUM OPERATING PRESSURE

0006-0192	16 bar (230 psi)
0432-1920	10 bar (150 psi)

MAXIMUM OPERATING TEMPERATURE

Depends on the gasket of the housing, up to 200°C (390°F)

CONNECTION TYPES

Clamp (standard at 0006-0192)
DIN or ANSI flange
(standard starting at 0432; optional up to 0192)
Welded ends
Other connections and larger housings are available on request



Filter housing PG-EG for compressed air and other gasses in sanitary quality