

Large-capacity Filters FGC 140 to 4 000

This gas dust filter is designed for separating mechanical impurities of the gaseous substance: air, natural gas, propane-butane and other non-aggressive gases in compliance with valid legislation.



Equipment description

- Inlet and outlet branches PN 16 to PN 40 (standard version) for gas inlet and outlet, located at the bottom of the equipment according to the customer's specifications – left, right, straight
- Drain outlet (connected at the bottom, for draining impurities and condensates), usually ends with a DN 25 blind flange (DN 50 for FGC 4000), however, it can also be delivered with a flange, welded, or threaded ball closure with a lid on request
- Top filter lid (formed by a neck flange connected by screws through sealing with a blind flange, or a quick-closing valve)
- Replacement filter cartridge (located inside the equipment, either cellulose, or special fabric)

The filter may be equipped with a device for measuring pressure loss on the filter cartridge. Lugs are welded onto both branches, to which stoppers are attached. The stopper outlets are connected to the distribution block by pipes. The top outlet of the distribution block is connected to an indicative or differential manometer.

The manometer type depends on the customer. We are able to deliver differential manometers with an output for remote data transfer. The filter is equipped with sockets for attachment to the frame.

Maintenance of equipment in operation

The appliance does not require regular daily maintenance if the gas distribution system is secured against the ingress of large amounts of condensate or excessive amounts of mechanical dirt.

It is recommended to perform a pressure test after 10 years of operation and to measure the wall thickness after every 5 years and over 20 years, or to replace the equipment with a new one after 25 years.

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