

Gas Cartridge Filter

MODEL: GCF

BULLETIN: 1001
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- **WIDE RANGE OF APPLICATIONS**
- **MAXIMUM SAFETY**
- **EASY MAINTENANCE**
- **AXIAL CONNECTIONS**
- **RATED PRESSURES UP TO 20 bar**
- **CAPACITY UP TO 50.000 Stm³/h**
- **FILTERING CAPACITY UP TO 5 micron**



OPERATION

It is often necessary in gas stations to protect the valves, pressure regulators, meters and etc. from foreign particles present in the gases or, particularly during the initial stages of operation, from debris in newly laid pipes.

This is the job of the filter.

They come in several versions to meet all application demands. They have threaded connections for the mounting of the drain cock (supplied on request) and other accessories. (special filters can be made upon request). Simply contact our Engineering Department.

All our filters can be fitted upon request with a differential pressure gauge as clog detector. The filters are of sturdy manufacture in special steel and are very easy to install and service. The cloth filter element can handle particles up to 5micron and can be used for both dry and wet gas.

When servicing, first make sure there is no pressurized gas inside the filter, then remove filter cover and check seal.

If damaged, replace. Remove filter element and either clean it with compressed air or replace it if necessary.

It is not possible to set a servicing schedule as it depends on type of gas to filter and capacity. This shows how important the installation of a clogging detector is. It clearly indicates the state of the cartridge by giving you the value of the differential pressure on the filter.

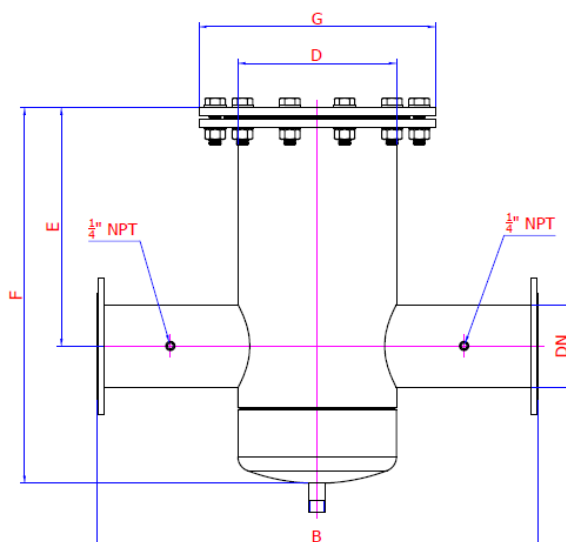
Its installation has the big advantage of ensuring safe operation, of saving maintenance costs and of preventing mistaken assessment of performance. Cartridge clogging causes an abnormal differential pressure increase on the filter which is usually signalled by a full-scale reading on the gauge.

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The clogging indicator is available in several scale ranges . The manufacturer recommends a 140 mbar scale for low pressure and 600mbar scale for high pressure.



Filter Design DN(mm)	DN in	B mm	D mm	G mm	E mm	F mm
DN 50	2	300	114.3	228.6	215	338.7
DN 80	3	600	168.3	279.4	350	519.2
DN 100	4	600	219.1	342.9	449.3	664.2
DN 150	6	900	324	483	500	780
DN 200	8	1000	406.4	596.9	646.5	985

SHOLEH SANAT ENG. & MFG. CO.

MANUFACTURER OF BURNERS FOR FURNACES

FUEL CONVERSION OF BOILERS & FURNACES, DESIGN , CONSULTATION AND INSTALLATION

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