

HIGHFLOW SERIES

API 682 PLAN 12 / SEAL FILTRATION SYSTEM

FEATURES

- Up to 75 GPM flow rate
- Filter elements 3 & 10 micron, absolute rated
- Two closure designs available, Yale-type threaded cap and bolted flange
- Filter systems designed to ASME Sec. VIII, div. 1

APPLICATION

API 682 Plan 12



STANDARD 6 WEEK DELIVERY

SYSTEM FEATURES

- Duplex Filter Design for uninterrupted flow during transfer to the new filter.
- 316 SS Filter Core, capable of 75 psig differential pressure, is threaded into filter body and remains installed reducing filter costs.
- Two closure designs are available: 1. Flange bolted with a spiral wound gasket or 2. ACME threaded cap with an O-ring seal. Lifting davits are available for both closure designs.
- Filter bodies are designed per ASME section VIII, Division 1.
- ASME U stamp available on request, National Board registered. Filter bodies constructed from stainless to carbon steel, per your requirements. Lifting eye provided.
- Flow and pressure instrumentation provided by industry leaders, such as Rosemount Transmitters and Hedland Flow Meters.
- ¾" tubing and ball valves, 316 SS. Fittings and valves are Swagelok or per your request.
- The inlet and outlet connections terminate at a manifold for a clean installation.
- The top view foot print is 30" x 30" typical, 50" height.

FILTER FEATURES

- Borosilicate Glass microfiber filter media used because no other element works as efficiently or gathers as many particles as the Borosilicate.
- 3 or 10 micron filter element, absolute rated.
- Beta Ratio – 5,000 Efficiency – 99.98%
- Mass Flux = Mass Flow per unit area

EXAMPLE

MP12:

20 gpm flush / 40 sq.ft. filter area = **0.5 flux**

Other systems:

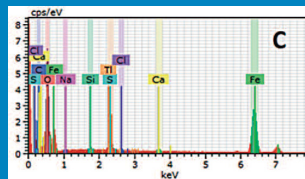
20 gpm flush / 0.8 sq.ft. filter area = **25 flux**

The lower the flux, the longer the filter life.

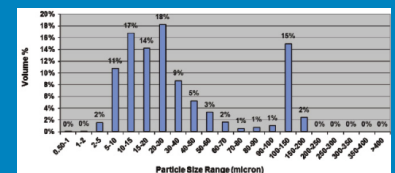
- O-ring sealed filter to filter housing for positive sealing and ease of maintenance.
- The filters incorporate a handle on the top and replacement simply requires lifting the filter off of the O-ring sealing surface/core element.
- The Borosilicate element holds much more particulate than cellulose media filters, which are nominal rated 60 to 98% of the rated pore size. Less filter changes and absolute filtration to the rated pore size.
- Low filter cost and longer life cycles, with better filtration offers low cost of ownership and value.

EXPERIENCING EXCESSIVE FILTER FOULING?

We can provide filtrated particulate analysis.



PARTICULATE COMPOSITION



ANALYSIS OF SPENT FILTER