

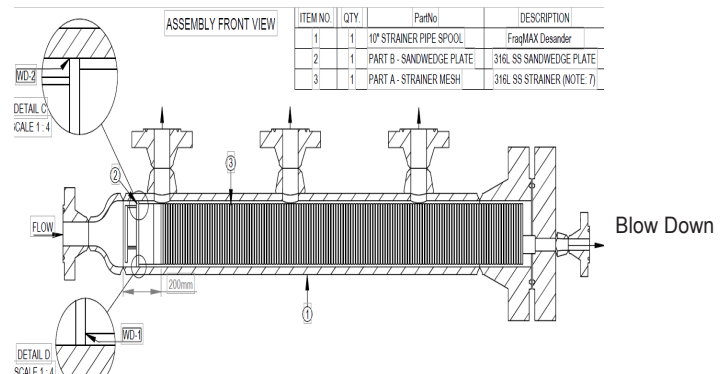


FraqMAX™ WF600 Series Filter

Product Data Sheet

Designed to Reduce and/or Eliminate Bag Filters

The **FraqMAX™ PLUS WF600 Series Filter**, with its innovative and patented design, combines the power of cleaning while in service, multi-phase filtration with forced settling and solids collection into a single device. The fouling resistant filter element delivers a consistent level of solids removal down to 10 microns while processing a wide range of extremely nasty, highly loaded, difficult-to-treat frack water. The unique cross-flow action combined with an engineered element delivers the highest possible flow and maximum solids separation without constant plugging or forming a cake layer.



Other key advantages include:

- Operates consistently and reliably where other filters can fail on fluid streams containing some or all the following:
- High total suspended solids (TSS), 100-10,000+ mg/L.
- Simple, self-cleaning, manual or automatic operation.
- Compact footprint.
- Operationally efficient.
- Low maintenance and high uptime – no filter changes.
- High water recovery up to 99%.
- 8.25 psi -10.49 psi pressure drop across the filter.
- Differential based monitoring.



Standard Features*,
FraqMAX™ PLUS WF-600 Series Filter

Equipment

- 316L stainless steel (SS) filter element.
- Carbon Steel housing with internal coated option.
- Schedule XS low-temperature piping.
- Coated carbon steel frame.
- Automated motor-actuated valves for purge and self-cleaning cycles with open/close feedback relay (Optional).
- Filtrate flow control valve (Optional).
- Valves for isolation, filter flush, drain and maintenance.

Control System (Optional)

- PLC with touch screen HMI/remote telemetry.
- Sensor monitoring, inlet pressure, and differential pressure (dP) across the filter element.
- Start and stop input signals preprogrammed for feed and filtrate blowdown tank levels.

System Specifications¹

Item	Value
Max Inlet Pressure	1479 Psig (10,204 KPag)
Max Temperature ²	133°F (56°C)
Min Temperature ²	-45°F (-43°C)
Max Flow Rates ³	10m ³ /minute
Min Filter Particle Size	10 microns
Filter and Stand Weight	~ 3200lbs (1452kg)
Design Code	CSA
	Typical Flow Rates⁴
SSC-17-1	
SSC-17-2	100-260 gpm
SSC-17-3	260-540 gpm
SSC-17-4	540-980 gpm
	980-2641 gpm

¹Based on frack sand; ISO 12103-1 A4; 1500 mg/L.

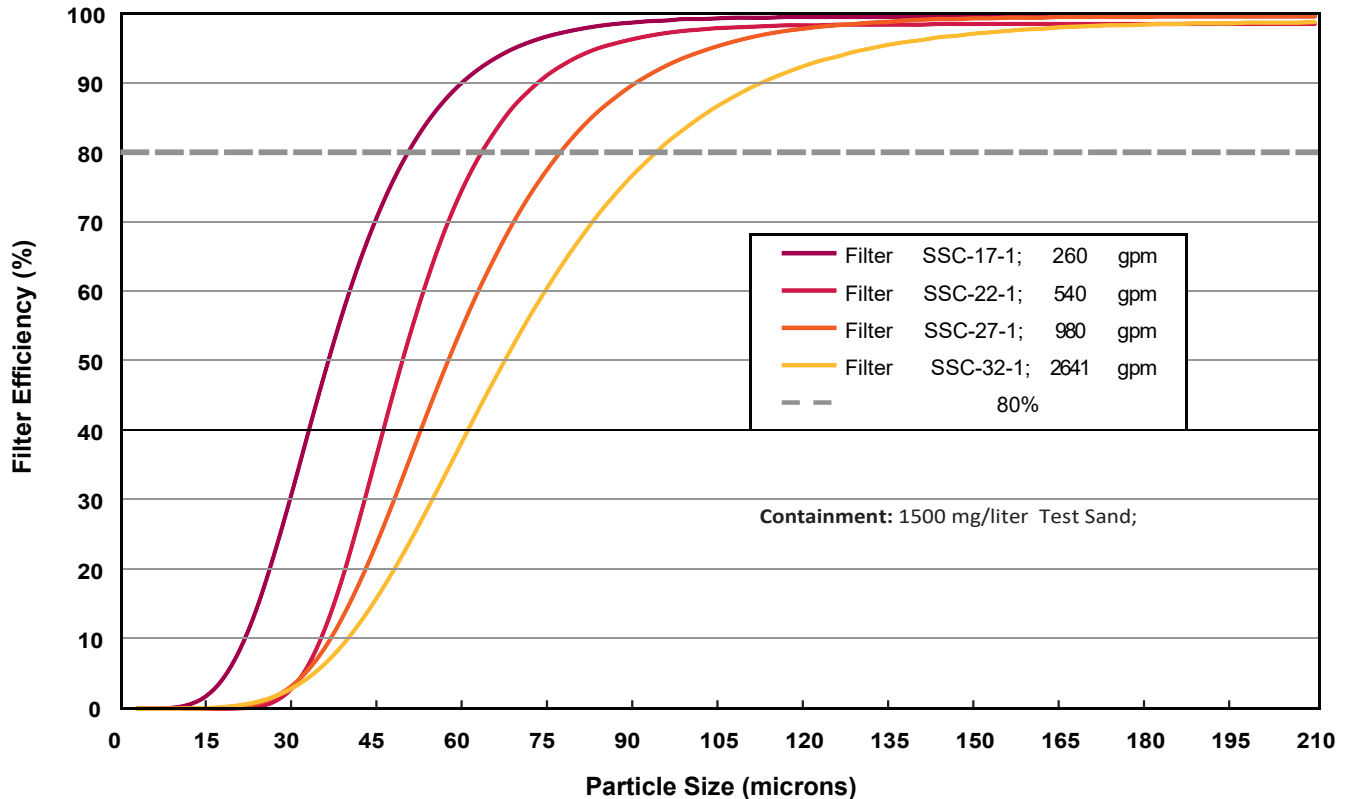
²Temperatures are process water temperatures. Higher temperatures may be acceptable. Minimum temperatures are dependent on water composition. Please consult with Gasteq for further analysis.

³Consult Gasteq for flow rates values outside this range. Units in series may be needed.

⁴Flow rates will vary depending on water quality.

Filter Performance

The curve below shows the removal efficiency versus particle size rejection at indicated conditions.





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