

Critical Protection

Gas Filters

These fully customizable filters are the pinnacle of decades of experience building critical gas filtration systems for natural gas, CNG, biogas and RNG processes. Full of features, they are engineered to provide cost effective and reliable protection from any solid, liquid or aerosol contamination with maximum performance and minimum pressure drop.

Standard features:

- ASME certification
- Welded 304 stainless steel construction
- Free standing, Z-flow design
- 1.0 and 0.3 micron elements
- Flanged inlet & outlet ports
- Flanged access port with davit arm
- Condensate drain & liquid level ports
- Differential pressure ports

Custom options:

- Carbon steel or 316 stainless steel construction
- T-flow, pipe supported or skid mounted designs
- Piping manifolds with isolation & bypass valves
- Differential pressure indicators or transmitters
- Liquid level switches & alarms
- Manual, timed, or zero-loss condensate drains
- Custom designs from full vacuum to any pressure



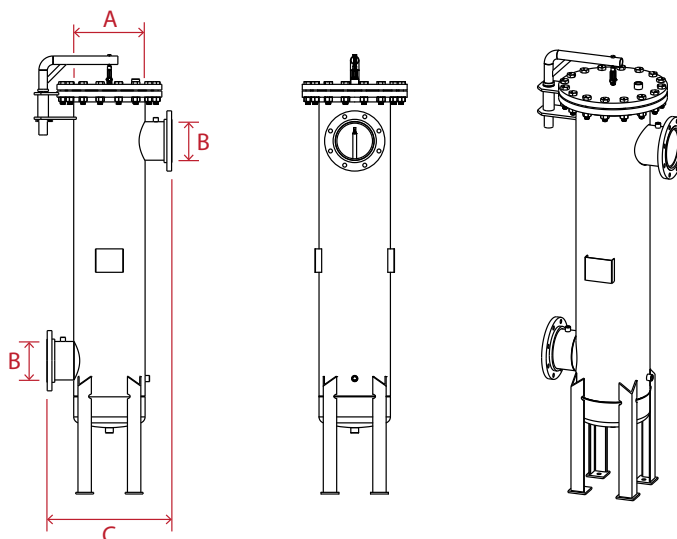
Model Number		WCP-8-4	WCP-12-6	WCP-16-8	WCP-20-10	WCP-24-12
Diameter (A)		8"	12"	16"	20"	24"
Inlet & Outlet (B)		4" RF	6" RF	8" RF	10" RF	12" RF
Face to Face (C)		20"	24"	28"	32"	36"
Class 150	Dry Weight	205 lbs	525 lbs	750 lbs	1270 lbs	1700 lbs
	Sump Volume	2.2 gal	9.7 gal	15 gal	31 gal	49 gal
Class 300	Dry Weight	310 lbs	760 lbs	1150 lbs	1915 lbs	2665 lbs
	Sump Volume	2.0 gal	9.5 gal	14 gal	30 gal	48 gal
0.3 Micron Element		FE-175-03	FE-350-03	FE-1500-03	FE-2250-03	FE-4800-03
1 Micron Element		FE-175-1	FE-350-1	FE-1500-1	FE-2250-1	FE-4800-1
Maximum Pipe Velocity		60 ft/s				
Pressure Drop (at Max Pipe Velocity)*		0.15 psid				

* When element is clean and dry. Contact us for filter sizing and pressure drop at any combination of flow, pressure and temperature.

Each filter is customized to meet the specific needs of your application. Operating flow, pressure, temperature, gas composition, contaminants, desired pressure drop and outlet gas quality will all be confirmed prior to order.

Filters are available as ship loose items or as part of a customized filtration skid with piping, valves, instrumentation and condensate management options as needed.

We've got you covered, no matter your filtration needs. Contact us for a quote today.



Willexa Energy is a leading global provider of innovative and reliable natural gas, biogas and RNG filtration and treatment systems. Also ask us about:



SRS Siloxane & VOC
Reduction Systems



CPS Carbon
Polishing Systems



Chilling &
Dehydration System



Media &
Elements



Service &
Engineering