

PFAS REMOVAL PFx™ STANDARD SYSTEMS



201 Lincoln Boulevard
Middlesex, NJ 08846
(732) 469-4540

www.psiprocess.com Employee Owned



CETCO-PFx-MODULAR

AdEdge standard systems for the treatment of ground and surface water for per and Polyfluoroalkyl Substances (PFAS) compounds to below current federal, state, or other regulatory standards.

The Pfx systems use CETCO FLUORO-SORB 200 media are available both in Skid mounted or Modular configurations for ease of installation indoors or outdoors. Systems are equipped with piping, valve rack, and instrumentation to meet the needs for a wide range of flows and customer needs, including both parallel and lead / lag capabilities.

AdEdge provides all the needed engineering and field service support for system sizing, selection, startup and commissioning to attain the treatment objectives. AdEdge can also provide the necessary pre- or post-treatment processes and equipment to meet multi-contaminant treatment scenarios.



For reference only

TECHNICAL SPECIFICATIONS

Vessel and Operating Specifications	
# of Vessels	2 (modular)
Material	Carbon Steel, non-ASME code with optional ASME code vessels
Max Pressure	100 PSI @ 135°F
Empty Bed Contact Time	7.5-10 mins
External Coatings	
External Coating	Tnemec N69F Epoxy (Indoor Installations) Add Tnemec 1075 Urethane for Outdoor use
Material Specifications	
Filter Media	CETCO FLUORO-SORB 200
Underbedding	1/8 x 1/16-inch Quartz Gravel
Piping Specifications	
Piping/Valve Size	Sch 80 PVC (or DI*)
Process Control Valve	Wafer style butterfly valves
Service I/O	150# Sch 80 PVC (or DI*) Flange
Backwash I/O	150# Sch 80 PVC (or DI*) Flange
Discharge	4" 316 SS Camlock slurry discharge on vessels larger than 84" in diameter
Lower Distributors	PVC Hub and Slotted Lats, SS for vessel sizes larger than 84"
Instrumentation	
0-100 psi Pressure gauges on inlet / outlet	
McCrometer Flow Meter	

PROCESS DESCRIPTIONS

XXXX	Flowrate (gpm)	Backwash (gpm)	Upper Distributor	Interior Liner	Media per vessel (ft ³)
2460	<30	30	1-point upturn PVC lateral	3M Scotchkote 134	10
3660	26-67	70	1-point upturn PVC lateral	3M Scotchkote 134	23
4860	58-119	120	2-point upturn PVC lateral	Tnemec Series 22	41
6060	102-187	190	4-point upturn PVC lateral	Tnemec Series 22	64
6660	158-226	230	4-point upturn PVC lateral	Tnemec Series 22	77
7260	191-269	270	4-point upturn PVC lateral	Tnemec Series 22	92
8460	227-366	370	4-point upturn PVC lateral	Tnemec Series 22	125
9660*	309-748	480	4-point upturn SS lateral	Plasite 4110	163
10860*	403-604	605	4-point upturn SS lateral	Plasite 4110	207
12060*	510-746	750	4-point upturn SS lateral	Plasite 4110	255
13260*	629-903	905	4-point upturn SS lateral	Plasite 4110	309
14460*	761-1074	1075	4-point upturn SS lateral	Plasite 4110	367
16860*	906-1462	1465	4-point upturn SS lateral	Plasite 4110	500

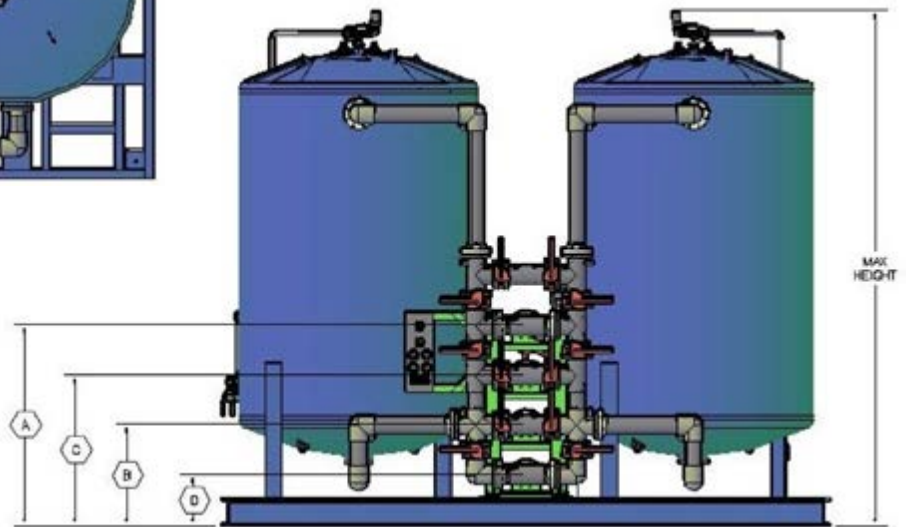
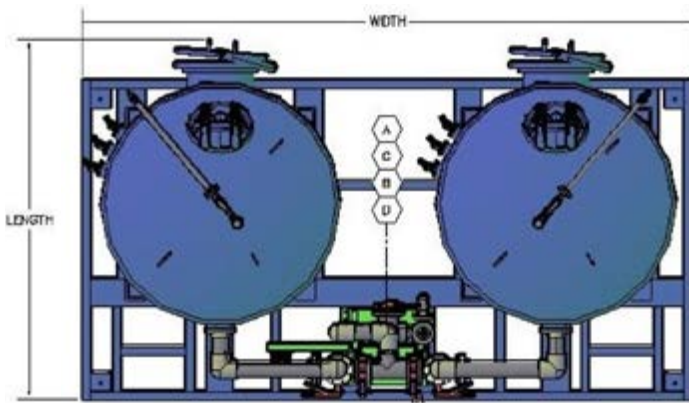
Read by combining vessel OD then side shell into one number. I.e., a vessel with 72" OD and 96" side shell would be 7296



CONSOLIDATED SPECS FOR MODULAR SERIES WITH CETCO FLUORO-SORB MEDIA

XXXX	Pipe Size (inches)	A (inches)	B (inches)	C (inches)	D (inches)	Top Manway Size (inches)	Side Manway Size (inches)	Width (inches)	Length (inches)	System Weight (lbs)	Max Height (inches)
2460	2	49	16-3/8	39-1/16	6-7/16	6x8	N/A	66-1/2	47-5/8	4289	89-3/4
3660	2	49	16-3/8	39-1/16	6-7/16	6x8	N/A	92	60	9792	93
4860	3	42-9/16	19-3/16	30	6-5/8	12x16	N/A	121	76-3/4	17706	103-1/8
6060	4	52-1/8	22-3/8	37-1/4	7-1/2	12x16	N/A	148	75-3/4	28824	109
6660	4	52-1/8	22-3/8	37-1/4	7-1/2	12x16	N/A	148-3/8	80-3/8	35757	108
7260	4	52-1/8	22-3/8	37-1/4	7-1/2	14x18	20	172	106	43089	110
8460	4	60-1/4	26	42-1/8	7-7/8	14x18	20	205-1/4	115	60354	116
9660*	6	60-1/4	26	42-1/8	7-7/8	14x18	20	223-1/4	127	83187	128-1/8
10860*	6	60-1/4	26	42-1/8	7-7/8	14x18	20	253-5/16	139	129982	138-1/4
12060*	6	60-1/4	26	42-1/8	7-7/8	14x18	20	286-1/2	152	164703	158-3/4
13260*	8	66-1/16	29-7/16	47-9/16	8-15/16	14x18	20	317-1/2	161	214491	163-3/16
14460*	8	68-1/16	29-7/16	47-9/16	8-15/16	14x18	20	337-1/4	175	259306	170
16860*	8	68-1/16	29-7/16	47-9/16	8-15/16	14x18	20	374-7/16	176	380740	183

*DI piping



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