PRODUCT DATA SHEET

Model HPAF-3000
Dual Bed Water Filter

Tetrasolv FILTRATION

Product Description

This system is designed to be used in aqueous phase treatment of groundwater or wastewater, and has the ability to remove contaminants to a very low level. The influent stream can be sent through the system in either series or parallel flow.

Technical Specifications

Weights and Measures

Max. Flowrates	Up to 120 gpm in series - or 240 gpm in parallel *(media/ application depend- ent)*
Max. Pressure	75 psi
Max. Temperature	250°F
Max. Height	8'9"
Width	6'10" *(skid)*
Length	10'10" *(skid)*
Diameter	60" *(each vessel)*
Shipping Weight	10,400 lbs. total *(equipment – 4,400 lbs; activated carbon – 6,000 lbs)*
Operating Weight	22,800 lbs.

Wetted Materials

Carbon Steel	Shell and heads
304 Stainless Steel	Bottom under- drain; Upper dis- tributor header
Neoprene	Manway gaskets
Sherplate 600 (NSF Ap- proved), optional Plasite 4110	Internal Liner

Filter Media

Types	Activated Carbon Ion Exchange Resins Organoclay Medias Specialty Media
Volume	117 cu. ft per vessel *(234 cu. ft. total capacity)*
Weight	~3,000 lbs. each vessel *(6,000 lbs. total) for activated carbon*

Miscellaneous

Vessel Code	Available in ASME Code stamped
Service In/Out	3" Flanged connection w/ sch. 80 piping
Backwash In/ Out	3" Flanged connection w/ sch. 80 piping
Manifold Valves	3" Lever-operated cast iron butterfly
Internals	Lower Distributor: 2—3" diameter laterals 304 SS Upper Distributor: 3" open end riser 304 SS Drain—1/2"
Vessel Interior Access	Top manway – 14"x18"

444 East 29th Street - Anderson, Indiana 46016

Phone: (765) 643-3941 www.tetrasolv.com

Revised Jan 2023

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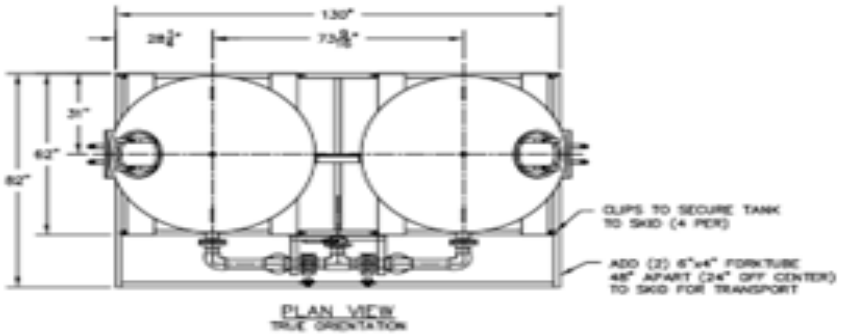
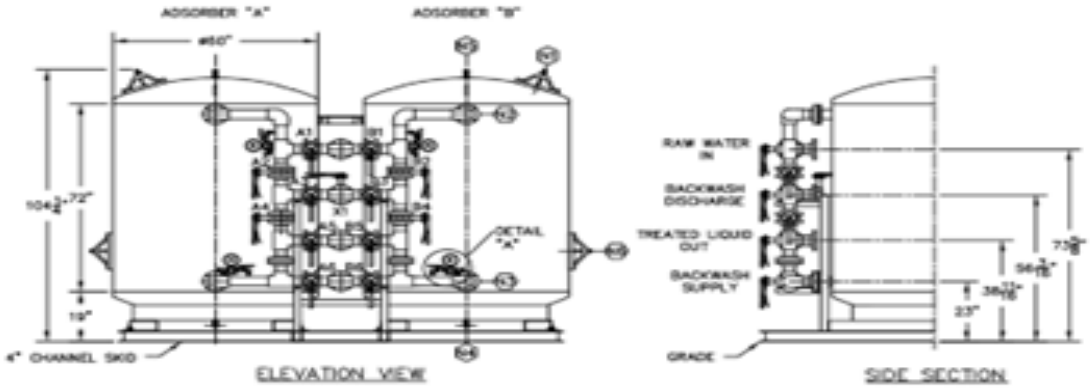
Tetrasolv FILTRATION

TETRASOLV HPAF–3,000 SYSTEM
NON–CODE 75PSI

SCHEDULE OF OPENINGS		
ID	DESCRIPTION	SERVICE
N1	24" x 36" ELLIPTICAL MANWAY	TANK ACCESS/MEDIA LOADING
N2	3" 3000# FNPT FULL COUPLING	PROCESS INFLUENT
N3	3" 3000# FNPT FULL COUPLING	PROCESS EFFLUENT
N4	1/2" 3000# FNPT FULL COUPLING	DRAIN w/ BALL VALVE
N5	1/2" 3000# FNPT FULL COUPLING	VENT w/ PILOT
N6	24" x 36" ELLIPTICAL MANWAY	TANK ACCESS



PLAN VIEW
TRUE ORIENTATION



ELEVATION VIEW

SIDE SECTION

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