

Sand Media Filters

Removal of Solids
Down to 20 Microns

Our Sand Media Filters are designed for the most challenging dirty water conditions with a high performance solutions for water filtration down to 20 microns. These durable carbon steel filters utilize a 24" vertical side shell depth for removal of organic and inorganic suspended solids for filtering large volumes of water with very little pressure drop and a long-term value. All of our industrial media filters utilize a simple backwash system for ease of operation and consistent water quality. The automatically controlled filter systems operate for extended periods of time prior to a short backwash cycle.



Applications

- ◇ Removal of organic and/or inorganic suspended solids down to 20 microns
- ◇ Storm water runoff, industrial process water, incoming plant water, waste water clean-up, industrial water for plant reuse
- ◇ Pre-filtration in applications such as granular activated carbon reverse osmosis, cartridge or bag filtration and deionized water
- ◇ 80 psi standard operating pressure
- ◇ Flow ranges from 10 gpm and up

Advantages

- ◇ State of the art fabrication provides added strength under pressure and long system life
- ◇ ASME code shaped head construction for durability and safety
- ◇ Stainless steel wedgewire under-drain
- ⇒ Ensures structural integrity in the harshest conditions
- ⇒ Hydraulically balanced to increase effectiveness of backwash while reducing flush frequency and waste water
- ◇ Standard carbon steel products 3/16" thick material
- ◇ Backwash automatically initiated by elapsed time pressure differential
- ◇ ETS easy-entry lid closure with weld tabs for operator safety
- ◇ 3M Scotchkote 134 fusion bonded epoxy coating on interior surfaces

SPECIFICATIONS-INDUSTRIAL-SAND MEDIA FILTERS													
Model	Number of Tanks in System	Standard Flow Range				Filtration Surface Area (total sq ft)	Backwash Flow Rate (per tank)		Media Requirements (cubic feet)		Maximum Pressure	Inlet/Outlet Pipe Size	Backwash Line Pipe Size
		Minimum		Maximum			gpm	m ³ /hr	Gravel 1/2"-3/4"	Media			
		gpm	m ³ /hr	gpm	m ³ /hr								
IL-4824-4A	4	504	115	756	172	50.40	189	43	28	84	80 psi	8"	4"

Standard Product Includes:

- ◇ Completely assembled for easy installation
- ◇ Skid mounted tanks
- ◇ ETS easy-entry lid closure with side manway
- ◇ Valves
- ◇ Inlet/outlet and backwash manifolds
- ◇ Controller, solenoids, electrical wire, tubing
- ◇ Removable underdrain

Available Options:

- ◇ ASME code
- ◇ High pressure
- ◇ Solar package
- ◇ PLC Controller
- ◇ Custom filter station layout piping
- ◇ Air scour