



1 Residue scraping machine 2 Aeration machine 3 Flotation tank 4 Spiral conveyor

KLF Media Filter Tank

1. Operational Principle

It is a rough filtration equipment, mainly by increasing inlet pressure (generally 0.40~0.45 MPa) to force water through filter material (anthracite, quartz sand) which is filled in the closed pressure vessel. The external pressure applied is to overcome the resistance of the filtering layer of the filtering equipment.

2. Structure Features and Applications

KLF Pressure Filter is often used as a follow-up treatment equipment of inclined tube and floatation effluent and it can be used for purification of tap water or pretreatment of activated carbon treatment. This equipment has less backwash times (operation cycle is 1-2 times compared to common filter), small volume, low cost, convenient operation and management.

3. Main Technical Parameters

Model	Processing Capacity (m ³ /h)	Dimension ØxH (mm)	Flushing Flow (L / S)	L1 (mm)	L2 (mm)	L3 (mm)	Inlet Dg1	Outlet Dg2	Drain Pipe Dg3
KLF-0.8	5-10	Ø 800 x 2750	6	350	200	450	80	80	25
KLF-1.2	10-20	Ø1200 x 3250	12	450	300	700	100	100	25
KLF-1.6	20-40	Ø1600 x 3400	24	650	400	950	150	150	25
KLF-2.0	30-60	Ø2000 x 3600	40	800	500	1200	200	200	32
KLF-2.4	40-80	Ø2400 x 3800	55	950	600	1450	250	250	32
KLF-3.0	70-150	Ø3000 x 4200	85	1000	750	1800	300	300	32

- 1 Matching flange standard: GB/T9119-2000.PN1.0MPa
- 2 Equipment supply is without filter material, pumps, valves and control system. If necessary, please order separately.
- 3 Dimension more than 3.5m needs field fabrication.
- 4 Several automation joint controls. Please ask for detailed information, and specify when ordering.

4. Equipment Outline and Schematic Diagram

