

SAND FILTRATION SYSTEMS

Industrial sand filter systems are water treatment systems used to remove unwanted substances such as suspended solids, sediment, and sludge that cause turbidity in water and distort its appearance. When an industrial sand filter system is selected correctly and operates efficiently, the load on other treatment systems is reduced, and the filtration precision of the Multi Media Filter drops below 15-20 microns.

Industrial sand filter systems enable the removal of undissolved suspended solids, prevent blockages in machinery and pipelines, and reduce increases in energy consumption.

The system is formed by placing multiple layers with different granulometry degrees inside the tank. During the service period, the particles retained between the filter layers are discharged during the backwash process, cleaning the filter material and refreshing the media.

The automation of these filters is generally provided by Clack, RUNXIN, and similar automation valves, while PLC electrical systems are used as an alternative in high-flow applications.



Anthracite Mineral



Quartz Sand
05-1,2 mm / 1-3 mm
3-5 mm / 5-8 mm

STANDARD FEATURES

- FRP or painted carbon steel body not affected by the water
- Full automatic automation system
- Suitable for use in model
- High quality mineral
- Minimal maintenance without human intervention
- Low energy and operating costs
- 10 bar Tank test pressure
- 2-7 bar operating range
- Max 50 °C operating temperature

SAND FILTER SYSTEMS

Stock Code	Tank	Filtration Speed		Media Material		Connection Options
		15 m/h	20 m/h	Anthracite (lt)	Quartz (kg)	
0-KUM-F0010	8x17	0.5	0.65	2	6	¾" - 1"
0-KUM-F0020	8x35	0.5	0.65	7	14	¾" - 1"
0-KUM-F0030	10x35	0.75	1	10	23	¾" - 1"
0-KUM-F0050	10x54	0.75	1	15	38	¾" - 1"
0-KUM-F0060	12x5	1	1.5	20	40	1"
0-KUM-F0075	13x54	1.3	1.7	25	55	1" - 1 ¼"
0-KUM-F0100	14x65	1.5	2	35	70	1" - 1 ¼" - 1 ½" - 2"
0-KUM-F0150	16x65	2	2.6	50	100	1" - 1 ¼" - 1 ½" - 2"
0-KUM-F0200	18x65	2.5	3.3	75	115	1" - 1 ¼" - 1 ½" - 2"
0-KUM-F0250	21x62	3.3	4.5	85	175	1" - 1 ¼" - 1 ½" - 2"
0-KUM-F0300	24x72	4.4	5.8	100	225	1 ½" - 2"
0-KUM-F0500	30x72	6.8	9	125	475	1 ½" - 2"
0-KUM-F0750	36x72	10	13	175	650	2"
0-KUM-F0900	42x72	13.4	18	210	775	2"



*Clack, Runxin and equivalent Valves can be used in the above systems.

SURFACE PIPELINED SAND FILTER SYSTEMS WITH FRP TANK

Stock Code	Tank	Connection Diameter Dn-Flns-Srv-Dre	Filtration Speed		Media Material	
			20 m/h	30 m/h	Anthracite (lt)	Quartz (kg)
0-KUM-YFP-500	30x72	50-50	9	14	125	475
0-KUM-YFP-750	36x72	50-50	13	20	175	650
0-KUM-YFP-1000	42x72	65-65	18	27	210	775
0-KUM-YFP-1200	48x72	65-65	23	35	315	1125
0-KUM-YFP-1600	63x86	80-80	40	60	560	2025



EPOXY PAINTED ST-37 SAND FILTER SYSTEMS WITH TANK

Stock Code	Tank	Connection Diameter Dn-Flns-Srv-Dre	Filtration Speed		Media Material	
			20 m/h	30 m/h	Anthracite (lt)	Quartz (kg)
0-KUM-YF-1215	1200 x 2790	65-65	25	37	350	1375
0-KUM-YF-1615	1600 x 3020	80-80	40	60	595	2375
0-KUM-YF-2015	2000 x 3250	100-100	63	94	805	3150
0-KUM-YF-2415	2400 x 3400	125-125	91	136	1150	4525

