



## enki-sand

**enki-sand** is a sand filter is used to remove suspended solid or turbidity from the water. These filters are used in water treatment and wastewater treatment, etc.

**enki-sand** contain graded gravel and sand as filter media.

### STANDARD UNITS

**enki-sand** includes sixteen standard units, with the vessel diameter between 1550 and 4000 mm. They can be ordered either as a standard alone unit or integrated into most complex of control systems.

### SURFACE TREATMENT / COATING

All tanks inside are sand blasted (SA2.5) and lined with epoxy coating at a 200 micron. All tanks outside are sand blasted (SA2.5) and lined with a corrosion resistant red oxide primer at a 50-75 micron and finish paint epoxy

### TANK

Tanks are fabricated using high quality welded steel designed for 6 bar working pressure and tested at 9 bar.

### MEDIA

**enki-sand** contain graded gravel and sand as filter media. Each filter is designed with a minimum bed depth of 1200 mm.

### PIPING/VALVES / INSTRUMENTS

Filters include epoxy coated steel piping and pneumatic actuated butterfly valves. The prefabricated piping is ready for installation. Each filter supplied with two pressure gauges and a sample valve.

### OPTIONAL

- Control panel
- PVC/Stainless steel piping
- Flowmeter
- Sightglass
- Custom specified coating
- Custom specified valves
- SS Nozzles
- Differential pressure switch



enki-sand								
Type	Flowrate (m3/h)			L	W	H	in/out	Weight
	min	max	Backwash	mm	mm	mm	DN	kg
ESF 20-155	19	37	56	1.785	1.940	3.460	80	5.210
ESF 20-170	22	45	67	1.935	2.175	3.560	100	6.310
ESF 20-190	28	56	84	2.135	2.375	3.600	100	7.740
ESF 20-215	36	72	107	2.385	2.625	3.797	100	9.830
ESF 20-230	41	82	123	2.535	2.860	3.856	125	11.170
ESF 20-245	47	93	140	2.685	3.010	3.865	125	12.830
ESF 20-255	50	101	151	2.810	3.110	3.890	125	14.060
ESF 20-270	56	113	169	2.960	3.355	3.980	150	15.680
ESF 20-285	63	126	189	3.110	3.500	4.059	150	17.320
ESF 20-300	70	139	209	3.260	3.650	4.090	150	19.120
ESF 20-320	79	158	238	3.460	4.030	4.230	200	22.040
ESF 20-335	87	174	261	3.610	4.205	4.280	200	24.100
ESF 20-350	95	190	285	3.760	4.355	4.370	200	26.740
ESF 20-365	103	207	310	3.910	4.480	4.450	200	28.720
ESF 20-380	112	224	336	4.060	4.655	4.525	200	30.960
ESF 20-400	124	248	372	4.260	5.035	4.755	250	35.280