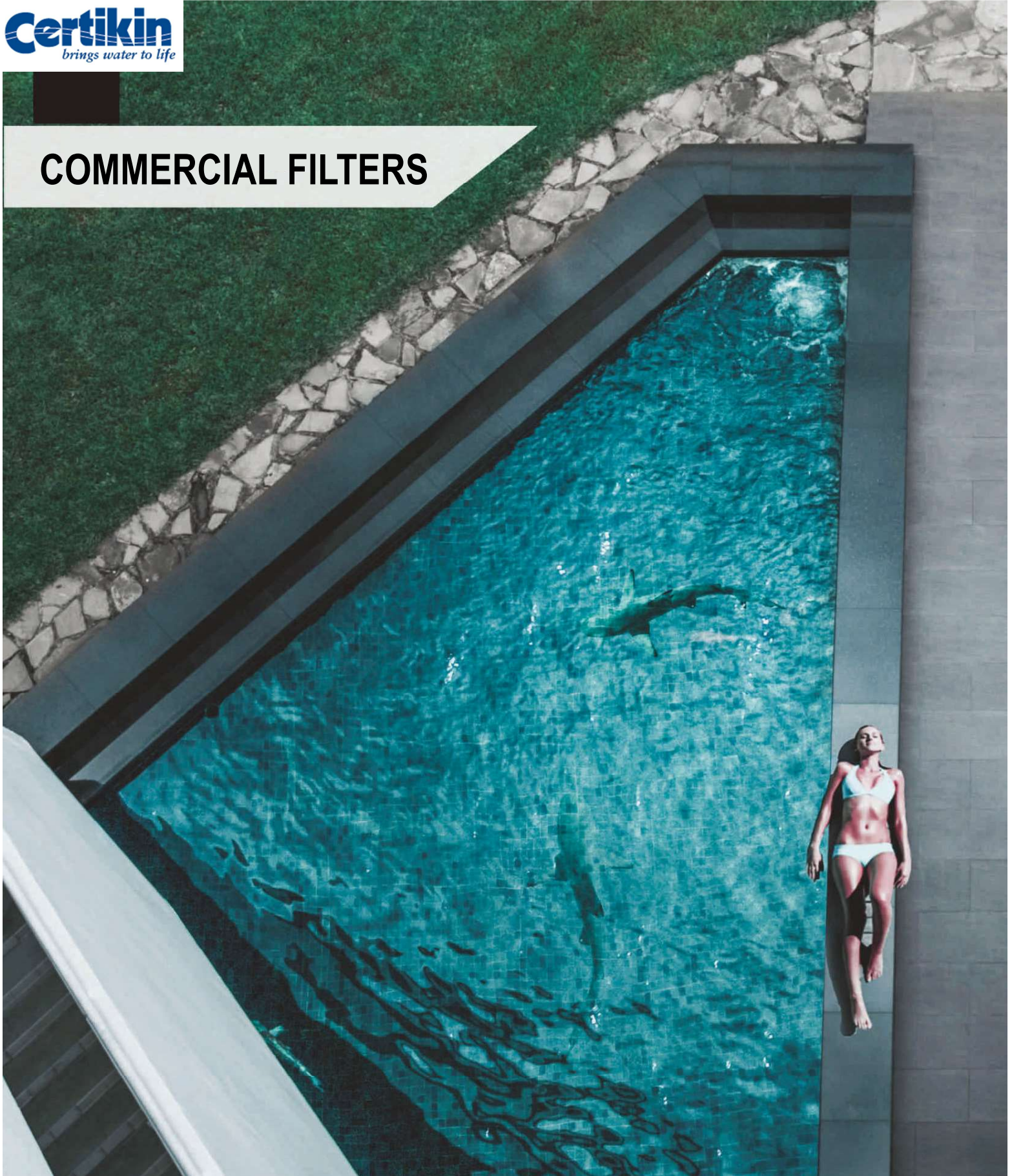


COMMERCIAL FILTERS



COMMERCIAL FILTER



Standard filter

With optional fittings

Features & Advantages

- 100% factory tested according to international and MINDER improved standard.
- Smart air relief valve for manual and automatic air pressure release.
- Designed to assemble with valve manifold.
- In-fluent manifold distribution to prevent clogging.
- Materials used are durable and suitable for all-weather performance.
- 10-15 years life-time.
- Available in standard 2.5bar and advance 4.0bar operating pressure model.

Warranty

Fittings	1 year
Filter Tank	1 year

vertical commercial filters are designed with top quality in mind for various high applications. filters size range from 1200mm to 3000mm in diameter with optional accessories.

Operating Limits

Model	2.5bar	4.0bar
Maximum water temperature	43 °C	43 °C
Operating Pressure	2.5bar	4.0bar
Maximum Pressure	4.0bar	6.0bar

Optional Components

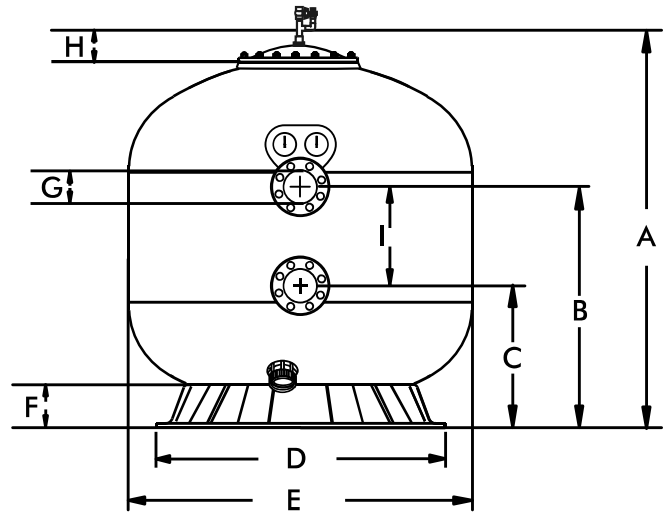
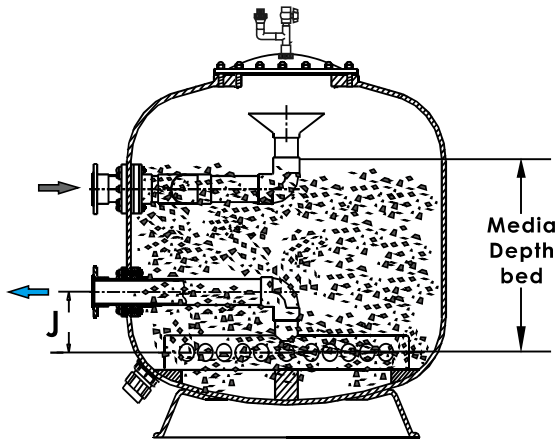
- Nozzle collection system
- Additional bed depth
- Internal sight glass
- Inline sight glass
- Side manhole
- Valve manifold (valve battery)
- Vinyl-ester internal coating

Specification

TANK Ø	FLANGE CONNECTION	FILTRATION AREA	DESIGNED VELOCITY	MAXIMUM FLOW RATE		BACKWASH FLOW AT 40m ³ /h/m ²		MEDIA DEPTH BED	SILICA SAND (kg)	GRAVEL REQUIRED (kg)	SAND REQUIRED (kg)
mm	mm	m ²	m ³ /h/m ²	m ³ /h	lpm	m ³ /h	lpm	mm	1-1.2mm	1-1.2mm	0.5-1mm
1200	90	1.13	50	52	860	45	753	1000	1200	300	1375
1400	110	1.54		69	1150	62	1027	1100	1900	450	1650
1600	110	2		90	1500	80	1333	1200	2600	675	2150
1800	160	2.7		120	2000	108	1800	1300	3600	750	2800
2000	160	3.14		141	2350	126	2093	1440	5100	1050	3800
2350	200	4.3		206	3440	172	2867	1480	7600	1800	5275
2500	200	4.9		235	3920	196	3267	1500	9200	2200	5950
3000	250	7.07		353	5883	283	4713	2200	12000	3300	8600

* Flange connection standard: DIN (Other standard is available upon request)

* Silica sand data is only for reference as different sand size will weigh differently

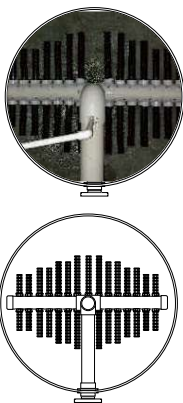


Dimensions

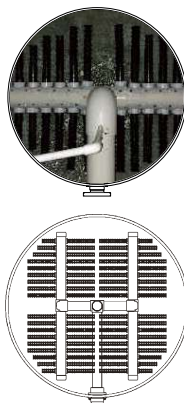
A	B	C	D	E	F	G	H	I	J
mm									
1450	900	530	920	1200	170	80	100	360	230
1520	1000	530	1210	1400	180	100	100	470	300
1800	1100	610	1210	1600	180	100	100	470	300
1900	1200	640	1440	1800	230	150	100	560	350
2150	1340	780	1440	2000	230	150	100	560	350
2350	1450	890	1950	2350	280	200	100	560	500
2650	1610	1050	1950	2500	280	200	100	560	500
3040	1880	1330	1950	3000	280	250	100	560	700

Collection Systems

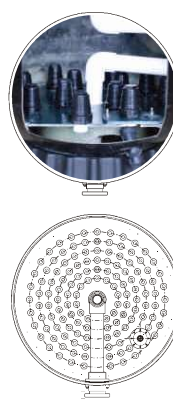
Standard Lateral System



Standard Lateral System



Optional Nozzle collection system



Optional Nozzle collection system is made available

Nozzle collection system provides wider and much even collection of water flow. Also, the media system can be backwashed by pairing air and water which reduce the amount of wastewater by 50% .