COMMERCIAL FILTER



Maximum Working Pressure
250kpa/36psi(2.5bar)
400kpa/58psi(4.0bar)

Factory Testing Pressure
400kpa/58psi(4.0bar)
600kpa/86psi(6.0bar)

Maximum Temperature
50°C(122F)

Size of Gravel
1mm~2mm (Gravel)
0.5mm~0.8mm (Sand)



Product Features

- Lateral and nozzle plate are available in option.
- Sight glass and Manhole are available in option.
- Lateral configuration enhances filtration performance.
- Fiberglass filter body is UV and corrosion resistant.
- Air Release Valve and air tube enable easy release of air during operation and testing.
- Nozzle plate system ensures the same flow for filtration and backwash ,ensuring the media bed to reach maximum performance and save up to 25% water during backwash.

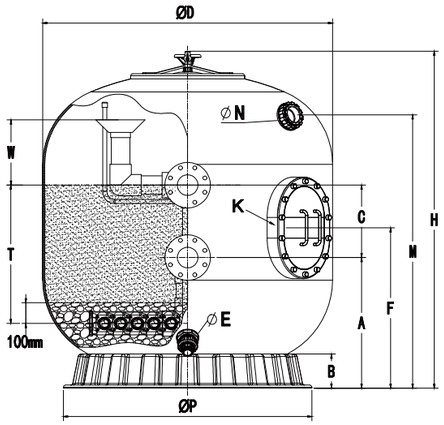
K1200~K3000 with lateral

Model	Filter Diameter (mm)	Filter Height (mm)	Flow rate ($m^3/h/m^2$)	Inlet & outlet		Design Flow (m^3/h)	Filter Area (m^2)	Sand Weight 0.5-0.8mm(kg)	Gravel Weight 1-2mm(kg)
				de(mm)	inch				
K1200	1200	1420	30	90	3″	34	1.13	750	300
			40	90	3″	45			
			50	110	4″	57			
K1400	1420	1670	30	90	3″	46	1.54	1200	500
			40	110	4″	61			
			50	110	4″	77			
K1600	1600	1750	30	110	4″	60	2.01	1850	750
			40	160	6″	80			
			50	160	6″	101			
K1800	1800	1950	30	110	4″	76	2.54	2500	1050
			40	160	6″	101			
			50	160	6″	127			
K2000	2000	2140	30	160	6″	94	3.14	3300	1150
			40	160	6″	125			
			50	160	6″	157			
K2200	2200	2350	30	160	6″	114	3.80	4150	1470
			40	160	6″	152			
			50	200	8″	190			
K2300	2300	2350	30	160	6″	125	4.15	4900	1600
			40	200	8″	166			
			50	200	8″	208			
K2350	2350	2350	30	160	6″	130	4.34	5000	1800
			40	200	8″	175			
			50	200	8″	217			
K2500	2500	2450	30	160	6″	147	4.90	6000	2200
			40	200	8″	196			
			50	200	8″	245			
K3000	3000	2650	30	200	8″	212	7.07	8600	3300
			40	200	8″	282			
			50	250	10″	354			

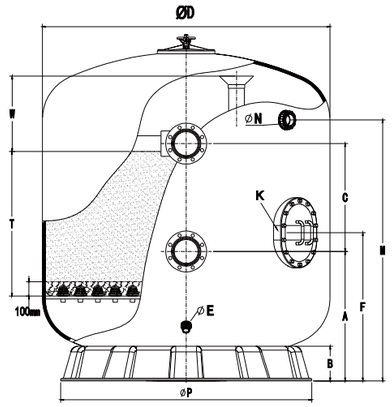
K1400N~K3000N with nozzle

Model	Filter Diameter (mm)	Filter Height (mm)	Flow rate ($m^3/h/m^2$)	Inlet & outlet		Design Flow (m^3/h)	Filter Area (m^2)	Sand Weight 0.5-0.8mm(kg)	Gravel Weight 1-2mm(kg)
				de(mm)	inch				
K1400N	1420	1900	30	90	3″	46	1.54	1800	220
			40	110	4″	61			
			50	110	4″	77			
K1600N	1620	2000	30	110	4″	60	2.01	2300	300
			40	160	6″	80			
			50	160	6″	101			
K1800N	1830	2100	30	110	4″	76	2.54	2900	360
			40	160	6″	101			
			50	160	6″	127			
K2000N	2030	2200	30	160	6″	94	3.14	3600	440
			40	160	6″	125			
			50	160	6″	157			
K2300N	2300	2350	30	160	6″	125	4.15	4800	580
			40	200	8″	166			
			50	200	8″	208			
K2500N	2500	2450	30	160	6″	147	4.90	5700	680
			40	200	8″	196			
			50	200	8″	245			
K3000N	3000	2650	30	200	8″	212	7.07	8250	980
			40	200	8″	282			
			50	250	10″	354			

K1200~K3000 with lateral



K1400N~K3000N with nozzle



Model	ØD (mm)	H (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	K (mm)	M (mm)	N (mm)	ØP (mm)	T (mm)	W (mm)
K1200	1200	1400	560	180	340	60	740	180*180	1150	80	1010	600	300
K1400	1400	1600	650	190	350	60	800	300*400	1250	80	1240	700	300
K1600	1600	1750	680	215	450	60	870	300*400	1450	80	1450	800	320
K1800	1800	1950	730	215	550	60	910	300*400	1650	80	1610	850	320
K2000	2000	2140	800	240	550	60	1050	300*400	1700	80	1800	900	350
K2200	2200	2350	900	240	600	60	1070	300*400	1750	80	1800	1000	400
K2300	2300	2350	940	240	600	60	1070	300*400	1800	80	2010	1000	400
K2350	2350	2350	940	240	600	60	1070	300*400	1800	80	2010	1000	400
K2500	2500	2450	960	240	600	60	1100	300*400	1900	80	2010	1050	400
K3000	3000	2650	1020	350	600	60	1130	300*400	2150	80	2650	1100	450

Model	ØD (mm)	H (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	K (mm)	M (mm)	N (mm)	ØP (mm)	T (mm)	W (mm)
K1400N	1420	1900	700	190	550	40	850	300*400	1400	80	1240	1000	300
K1600N	1620	2000	810	215	550	40	900	300*400	1500	80	1450	1000	320
K1800N	1830	2100	850	215	550	40	980	300*400	1600	80	1610	1000	320
K2000N	2030	2200	900	240	550	40	1030	300*400	1650	80	1800	1000	350
K2300N	2300	2350	940	240	600	40	1070	300*400	1800	80	2010	1000	400
K2500N	2500	2450	960	240	600	40	1100	300*400	1900	80	2010	1000	400
K3000N	3000	2650	1020	350	600	40	1130	300*400	2000	80	2650	1000	400

Product Details



Manhole



Sight Glass



Cover Lid



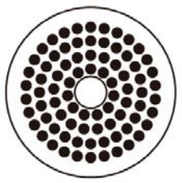
Pressure Control Manometer Panel

Comparing with lateral system, nozzle plate system ensures full range 360 degree without dead angles for both filtering and backwashing.

The nozzle plate system also directs pressurized air into the bottom of the filter media. Utilize the unique copulation of the nozzle plate to continuously and uniformly introduce air and water, vigorously agitate and expand the filter media bed, thereby reducing backwash time and reducing water volume,to reach maximum performance.



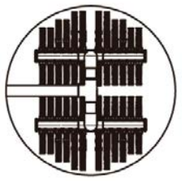
Nozzle System







Lateral System





Product Application







