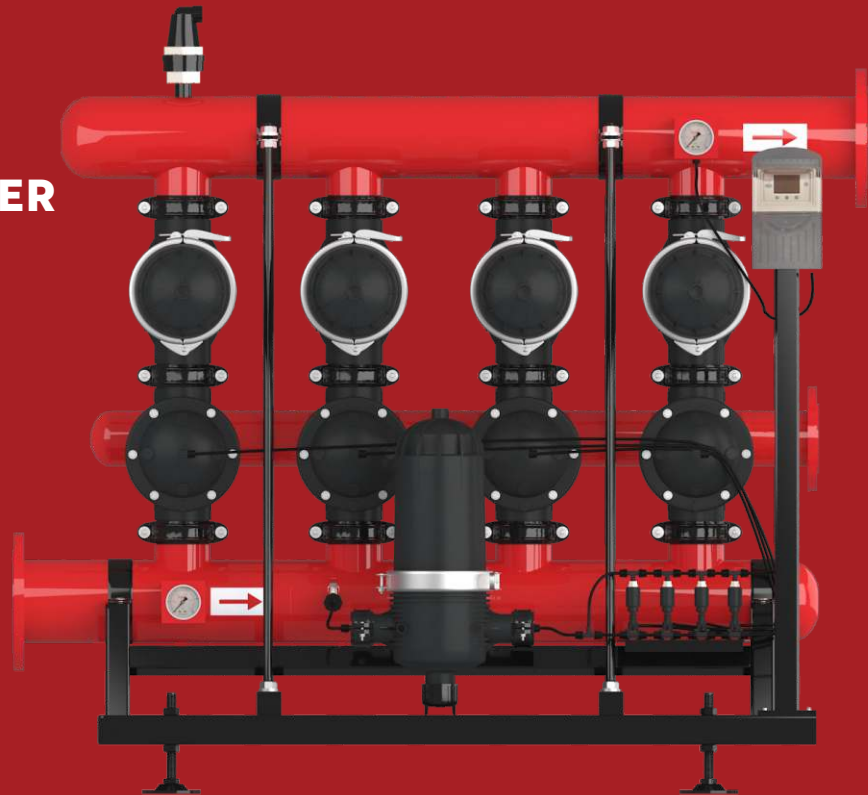


SEA LIONS

AUTOMATIC DISC FILTER

Stack filter



AUTOMATIC DISC FILTER

The filter element of Sea Lions series is composed of a set of discs with grooves on both sides. The intersections formed by the edges of the grooves can trap the suspended particles in water. With the function of surface interception and deep agglomeration at the same time, the filtering effect is greatly improved.

The Sea lion series automatic disc filter has advantage of high efficiency backwash, fully automatic continuous operation, low self-consumption water, small footprint, and reliable operation.

The backwash process of the filter system works alternately, with the automatically switch between the backwash and working states, the system can ensure continuous water discharge and small system pressure loss.

The modular design of the Sealions series disc filter enable a wide range of combinations of filter units to meet the needs of different applications. The DP and Time control system makes the backwash control easily.

FEATURES OF FILTER PERFORMANCE

The latest Disc mold
Reinforced Nylon makes a better backwash and anti-blockin

Using multiple patented technologies, more efficient, water-saving, land-saving and less daily maintenance in installation and use.

The split-assembled skeleton can flexibly adjust the height of the filter element according to the design requirements to adjust the filtering area and meet different system supporting requirements.

The filter unit uses a self-locking buckle with a specially designed sealing ring instead of common used metal clamp , which makes the filter units' installation and dismantlement more easy as well as better seal.

Each unit is equipped with a filter and backwash status indicating device as well as an automatic air intake and exhaust device, which can prevent the water hammer and improve the backwash .



	Good Water			General Water			Poor Water			Pipe Selection		Dimension
Filtration Rate	200μm	130μm	50μm	200μm	130μm	50μm	200μm	130μm	50μm	Inlet/Outlet	Drain Pipe	
	Flow Rate (m³/h)			Flow Rate (m³/h)			Flow Rate (m³/h)					
FDP2-2	50	40	28	38	30	22	27	20	15	DN80	DN50	750X830X950
FDP2-3	75	60	42	57	45	33	40	30	22	DN80	DN50	1050X830X950
FDP3-2	74	60	40	56	44	32	40	30	22	DN100	DN80	865X1030X950
FDP3-3	110	90	60	84	66	48	60	45	33	DN100	DN80	1165X1030X950
FDP3-4	148	120	80	112	88	64	80	60	44	DN150	DN80	1465X1030X950
FDP3-5	185	150	100	140	110	80	100	75	55	DN150	DN80	1765X1030X950
FDP4-3	222	180	120	168	132	96	120	90	66	DN150	DN100	1300X1350X1550
FDP4-4	296	240	160	224	176	128	160	120	88	DN200	DN100	1700X1350X1550

Notice: all the parameters are used for recommendation

Size Data							
Model	D (mm)	H (mm)	L (mm)	S (mm)	h1 (mm)	h2 (mm)	h3 (mm)
FDP2-2	300	865	700	522	350	620	/
FDP2-3	300	865	1000	547	350	620	/
FDP3-2	300	1160	760	600	370	668	/
FDP3-3	300	1160	1000	600	370	668	/
FDP3-4	300	1210	1300	600	370	668	/
FDP3-5	300	1210	1600	600	370	668	/
FDP4-3	400	1450	1300	/	220	840	1169
FDP4-4	400	1560	1700	/	250	890	1115

