

Hydrocyclone

SAND SEPARATORS

A cone shaped separator that accelerates the velocity of water maximizing separation of sand and other solid matter to protect the irrigation components from damage and abrasion.



Maximum Protection



High Corrosion and UV Resistance



Ease of Operation

/ Benefits & Features

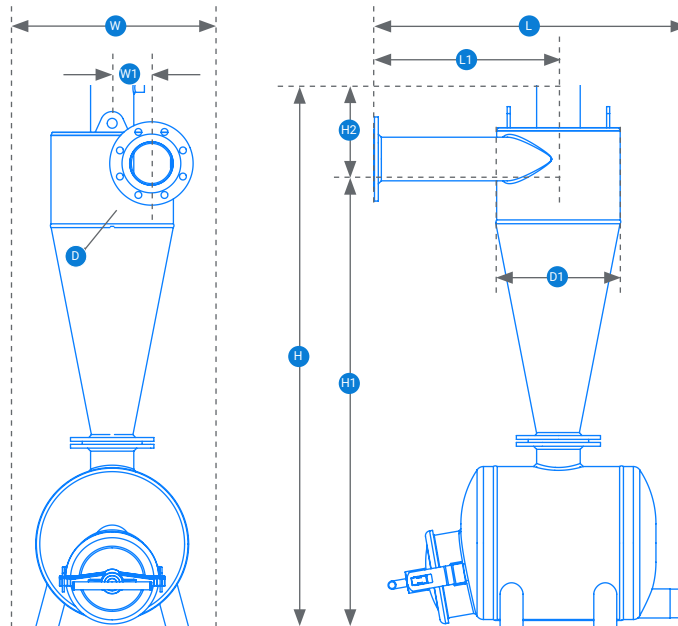
- **Maximum Protection** Cone shaped separator that accelerates the velocity of the water increasing centrifugal forces and maximizing separation
- **Industry Leading** UV and corrosion protection thanks to two layers coating
- **Easy Operation** No moving parts or screens
- **No Clogging** No head loss build-up or clogging during separation
- **Specially Designed** Rubber protection to protect against erosion
- **Flushing Frequency Reduction** Large holding capacity of sedimentation tank reduces flushing frequency
- **Maximum Anti-corrosion** Protection with durable long-lasting coating materials
- **Maximum Operating Pressure** 145 psi (10 bar)
- **Variety of End Connection** Wide range of end connection and sedimentation tanks capacity

/ Applications

- ✓ For separation of sand and other solid matter from water
- ✓ Protection of valves and irrigation systems from damage/abrasion caused by sand and other solid matter
- ✓ Pre-filtering of water with high loads of sand
- ✓ For irrigation systems irrigating with well water

→ Logistic Data

Model	Sedimentation Chamber Model	Dimensions									Drain Socket Diameter
		D (In)	D1 (In)	H (In)	H1 (In)	H2 (In)	L (In)	L1 (In)	W (In)	W1 (In)	
2"	12L - 3" vic	2"	8"	35.4	29.7	5.7	22.1	12.0	12.6	3.1	2"
3"	12L - 3" vic	3"	8"	36.6	30.1	6.5	22.1	12.0	12.6	2.6	2"
3" Super	12L - 3" vic	3"	8"	36.6	30.1	6.5	22.1	12.0	12.6	2.6	2"
3" Super	60L - 3" vic	3"	8"	45.2	38.7	6.5	30.8	12.0	12.6	2.6	2"
4"	60L - 4" flange	4"	12"	61.0	50.6	10.4	31.5	18.3	21.7	4.1	2"
4" Super	60L - 4" flange	4"	16"	69.5	58.9	10.6	32.9	19.7	21.7	5.4	2"
4" Super	120L - 4" flange	4"	16"	74.1	63.5	10.6	38.1	19.7	25.6	5.4	2"
6"	120L - 8" flange	6"	20"	78.6	65.8	12.8	40.8	23.8	25.6	6.5	2"
6" Super	120L - 8" flange	6"	24"	90.6	76.4	14.2	42.8	25.8	25.6	8.5	2"
6" Super	240L - 8" flange	6"	24"	95.0	80.9	14.2	48.1	25.8	29.5	8.5	2"
8"	240L - 8" flange	8"	30"	114.1	98.1	15.9	50.1	27.8	29.5	10.4	2"



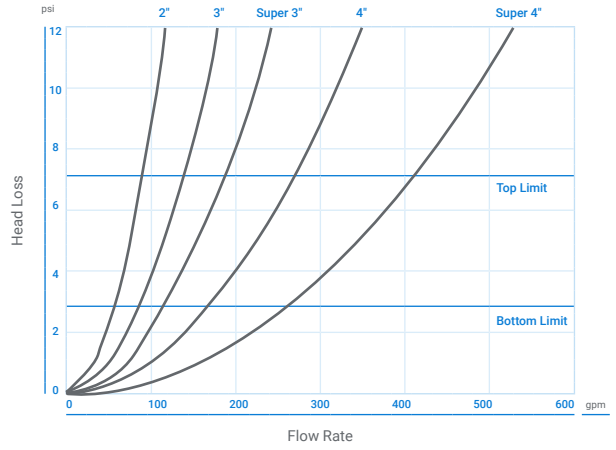
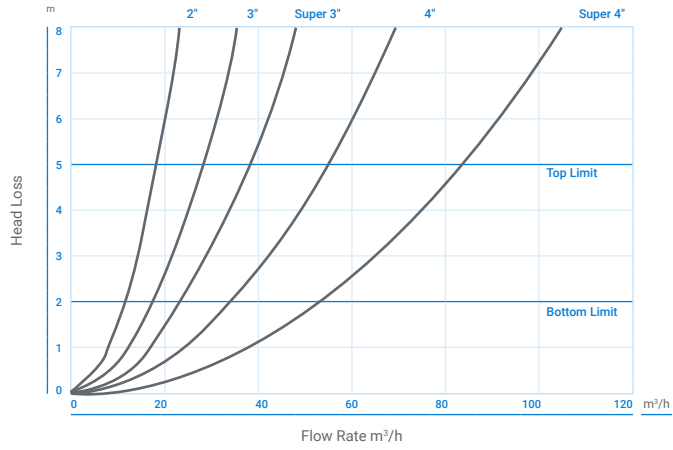
→ Technical Information

Model	In / Out Diameter (inch)	Recommended Flow Rate Range				Sedimentation Tank Capacity	
		m ³ /h		gpm		liter	gallons
		min	max	min	max		
2"	2"	12.5	20	55	88	12	3
3"	3"	19.5	30	86	132	12	3
3"S	3"	27	42	119	185	12 / 60	3 / 16
4"	4"	35	61	154	269	60	16
4"S	4"	59	95	260	418	60 / 120	16 / 32
6"	6"	88	147	387	647	120	32
6"S	6"	126	205	555	903	120 / 240	32 / 63
8"	8"	205	400	903	1761	240	63

Flow rate are based on recommended head loss of 2- 5m' (3 - 7psi)

→ Head Loss

2" - 4"



6" - 8"

