

F1300



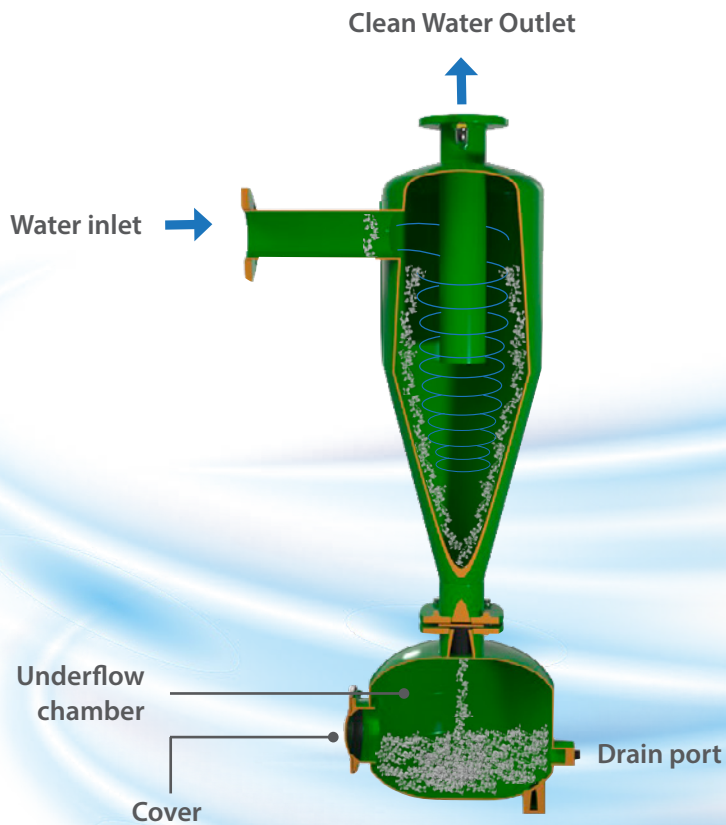
Rivulis F1300 Hydrocyclone Sand Separator Filter

- Safeguard your irrigation system from abrasive sand
- Dual layer barrier epoxy and polyester corrosion protection
- Available as individual units and as pre-assembled arrays
- *Ideal for ground water*

Sand Protection

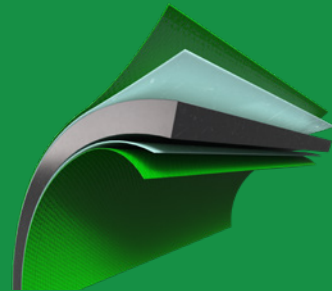
Reduce the risk of sand entering your irrigation system and causing damage to components

- Removes particles with a specific weight greater than water.
- Creates a 'cyclone' within the filter that pushes particles to the side and fall into the chamber.



Corrosion Protection

150-200 micron electrostatic oven baked polyester-epoxy powder coating. Both inside and out.



Hydrocyclones are a form of pre-filtration used prior to other filtration. It is not used as standalone filtration.

Product Information

Product Information	
Filter housing construction material	Carbon Steel ST37.2; St.St on request
Pre-treatment	Sand blasting up to Sa 2.5 mm grade
External & Internal coating	Polyester-Epoxy (150-200 micron thickness); Phenolic Epoxy available on request
End Connections	Victaulic, Male Threaded and Flange
Inlet is tangential to the body	
Conical rubber protection or expendable connection on the joint between hydrocyclone and the sedimentation tank	

To facilitate the functioning of the filter, it is necessary to frequently empty the filter sedimentation tank.

Key Operation Guidelines	
Maximum working pressure	8.0 bar (145 psi)
Recommended head loss	2-5 m

Rivulis F1300 Hydrocyclone Sand Separator | Product Specifications/ Options

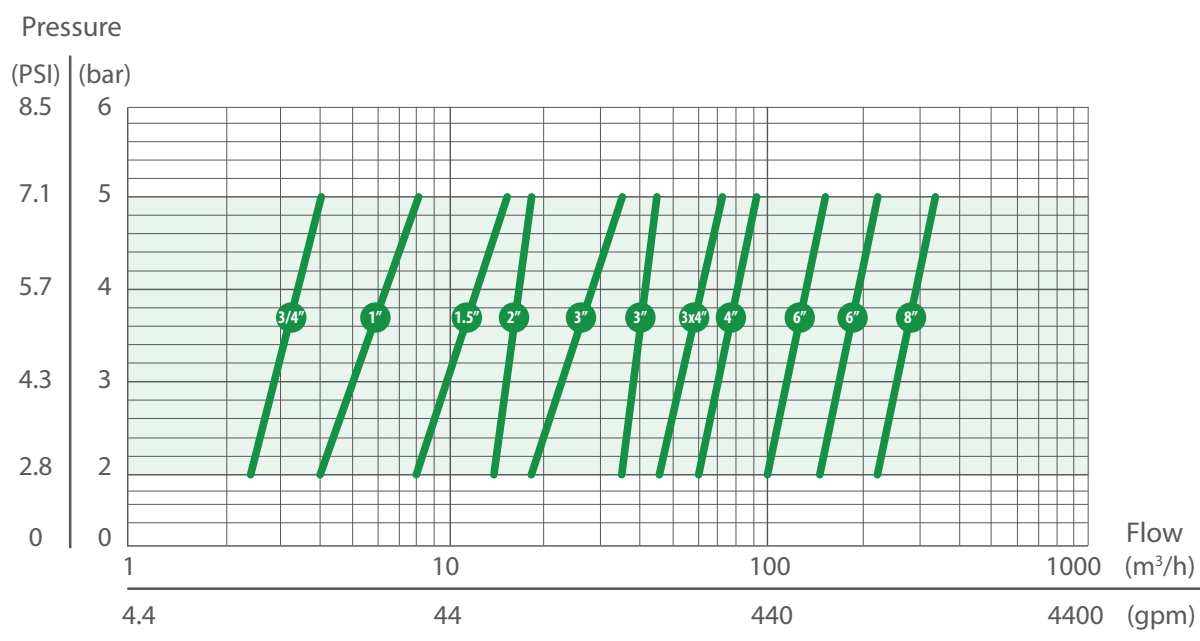
Inlet/outlet ØD		End Connections*	Flow Rate Range		Sedimentation Tank		Connection Flush Valve
(mm)	(inch)		(m³/h)	(GPM)	(liter)	(gal)	
20	3/4	Threaded	2.4 – 4	10.6 – 17.2	1.5	0.4	1/2"
25	1	Threaded	3.5 – 6	15.4 – 26.4	1.5	0.4	1/2"
30	1.5	Threaded	6.5 – 10	28.6 – 44	2.5	0.7	3/4"
50	2	Threaded	11 – 19	48.4 – 83.6	10	2.6	1"
75	3	Vic	20 – 35	88 – 154	10	2.6	1"
75	3L	Vic	29 – 45	127.6 – 198	10	2.6	1"
75-100	4*3	Vic	45 – 73	198 – 321	30	8	1,5"
100	4	Vic	60 – 93	264 – 409	120	32	2"
150	6	Vic	93 – 155	409 – 682	150	40	2"
150L	6L	Vic	145 – 225	638 – 990	150	40	2"
200	8	Vic	200 – 330	880 – 1452	300	80	3"

*Alternate options available on request.

Male Thread

From 3" to 8" Universal flange coupling available ON DEMAND

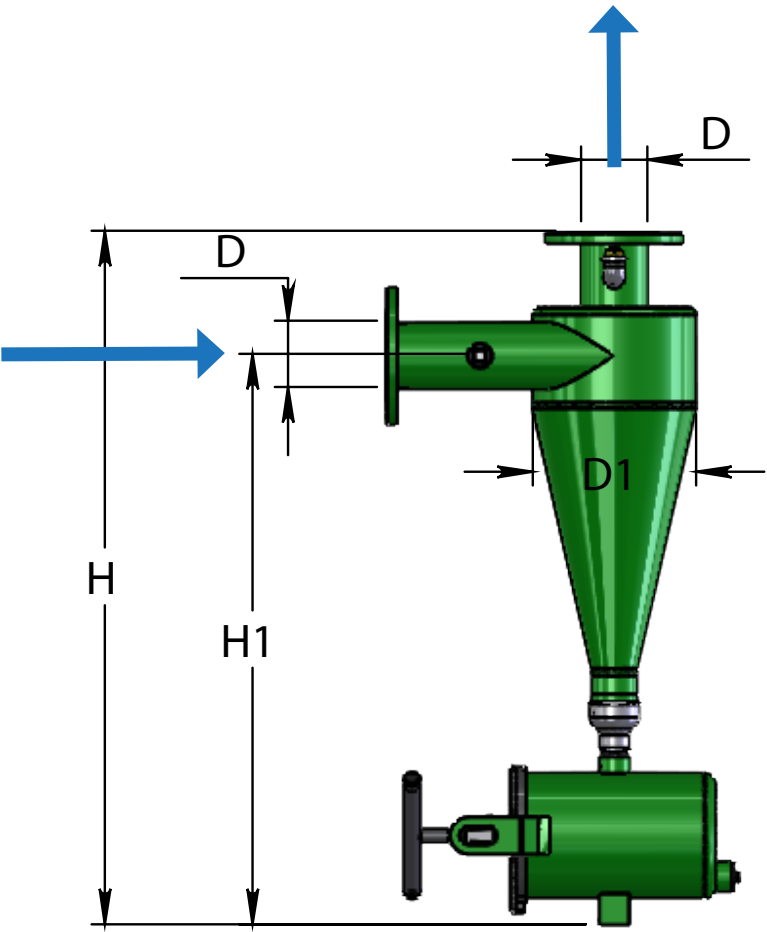
Rivulis F1300 Hydrocyclone Sand Separator | Product Head Loss Chart



Recommended flow-rate range according to head loss of 0.2-0.5 bar (29-72 psi)

Rivulis F1300 Hydrocyclone Sand Separator | Product Dimensions and Weights

Inlet/outlet ØD		ØD1	H		H1		Shipping Weight		Packaging Volume (LxWxH)	
(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(kg)	(lb)	(m)	(ft)
3/4	20	3	380	14.9	475	18.7	8.3	18	0.31x0.31x0.19	1.02x1.02x0.62
1	25	4	460	18.1	600	23.6	10.1	22	0.54x0.28x0.22	1.77x0.92x0.72
1.5	30	6	594	23.4	740	29.1	15.5	34	0.55x0.32x0.28	1.80x1.05x0.92
2	50	8	755	29.7	900	35.4	23.4	52	0.63x0.42x0.30	2.07x1.38x0.94
3	75	8	765	30.1	930	36.6	32.5	72	0.67x0.55x0.28	2.20x1.80x0.92
3	75	8	765	30.1	930	36.6	32.5	72	0.67x0.55x0.28	2.20x1.80x0.92
3*4	75-100	12	1285	50.6	1550	61	75	165	1.37x0.77x0.22	4.49x2.53x0.72
4	100	16	1495	58.8	1765	69.5	97.5	215	1.26x0.77x0.26	4.13x2.53x0.85
6	150	20	1671	65.8	1996	78.6	187	412	1.40x1.20x1.00	4.60x3.94x3.28
6	150L	24	1940	76.4	2300	90.5	230	507	1.70x0.90x1.00 Cyclone 1.30x0.77x0.80 Tank	5.6x3.0x3.0 Cyclone 4.3x2.5x2.6 Tank
8	200	30	2492	98.1	2897	114	328	723	2.10x0.95x1.15 Cyclone 1.40x0.77x1.00 Tank	6.9x3.1x3.8 Cyclone 4.6x2.5x3.3 Tank



Product List

Rivulis F1300 Hydrocyclone Sand Separator				
Product Description	Inlet/Outlet Size		Connection Type	Underflow Chamber Volume (L)
	(inch)	(mm)		
F1300 3/4" – Victaulic	3/4	20	Victaulic	1.5
F1300 1" – Victaulic	1	25		1.5
F1300 1 1/2" – Victaulic	1 1/2	40		2.5
F1300 2" – Victaulic	2	50		5
F1300 3" – Victaulic	3	80		10
F1300 3"x4" – Victaulic	3x4	80x100		30
F1300 4" – Victaulic	4	100		60
F1300 6" – Victaulic	6	150		150
F1300 8" – Victaulic	8	200		300
F1300 3/4" – Male Thread	3/4	20	Male Thread	1.5
F1300 1" – Male Thread	1	25		1.5
F1300 1 1/2" – Male Thread	1 1/2	40		2.5
F1300 2" – Male Thread	2	50		5
F1300 3" – Male Thread	3	80		10
F1300 3"x4" – Male Thread	3x4	80x100		30
F1300 4" – Male Thread	4	100		60
F1300 6" – Male Thread	6	150		150
F1300 8" – Male Thread	8	200		300
F1300 3/4" – Flange	3/4	20	Flange	1.5
F1300 1" – Flange	1	25		1.5
F1300 1 1/2" – Flange	1 1/2	40		2.5
F1300 2" – Flange	2	50		5
F1300 3" – Flange	3	80		10
F1300 3"x4" – Flange	3x4	80x100		30
F1300 4" – Flange	4	100		60
F1300 6" – Flange	6	150		150
F1300 8" – Flange	8	200		300

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