

Rivulis F1000 Hydrocyclone Sand Separator



Operating guidelines

Recommended head loss: 3-8 psi

Maximum working pressure: 120 psi

Maximum pressure: 150 psi

Product information

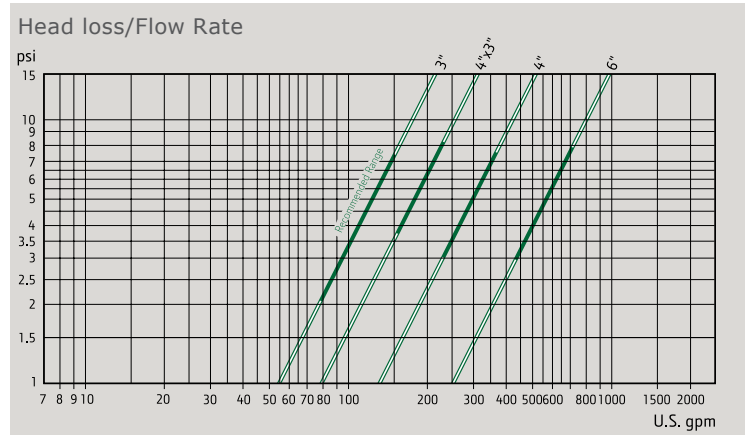
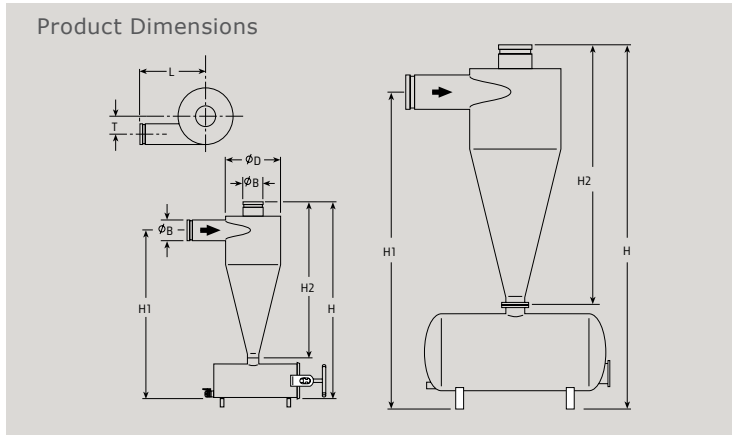
All models include underflow chamber

All models include legs

All models include rubber, protective cone

The Rivulis F1000 Hydrocyclone Sand Separator creates a centrifugal action that moves the water around the edge of the body, throwing the sand and heavy materials to the outside or the cyclone. The heavy materials then fall into the underflow tank to be collected. Rivulis provides the proper sized underflow tank to match the performance of each size of Hydrocyclone Sand Separator, preventing the collected sand from moving back into the water flow. The Rivulis F1000 Hydrocyclone Sand Separators are available with several options including flow rates and tank collector sizes.

Rivulis F1000 Hydrocyclone Sand Separator



Product Dimensions and Weights

Size	B	D	H	H1	H2	L	T	Weight
(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(lbs)
3	3	8.0	33.0	26.0	24.6	12.0	3.0	60
4X3 out	4x3	12.0	52.0	44.5	28.5	20.0	4.0	146
4	4	16.0	68.0	58.3	38.2	23.6	5.7	276
6	6	20.0	75.0	63.4	45.3	24.0	7.0	379

Product head loss chart (psi)

Model	Flow rate (gpm)					
	3.0	4.5	6.0	7.5	9.0	10.5
Inch	Flow Rate (psi)					
3	94.5	115.8	133.7	149.5	163.7	176.9
4 x 3	136.2	166.8	192.6	215.3	235.9	254.8
4	224.3	274.7	317.2	354.7	388.5	419.7
6	430.6	527.4	609.0	680.9	745.9	805.6

F1000 Hydrocyclone Sand Separator - Product Information

Item Number	Inlet/outlet Size (inch)	Body	Minimum Flow rate (gpm)	Maximum Flow rate (gpm)	Feature	Chamber Capacity (gallons)	Connection Type
101043046	3	Standard	79	150	Underflow chamber	2.6	ASA (Flange)
101043054	4 x 3	Standard	154	229	Underflow chamber	16.0	ASA (Flange)
101043050	4	Standard	229	361	Underflow chamber	32.0	ASA (Flange)
101043058	6	Standard	431	704	Underflow chamber	58.0	ASA (Flange)