



Centrifugal Separators

General Information

Anyone who pumps water for any purpose – irrigation, industrial, turf, or private and public water systems – knows that the greatest enemy is sand, silt, and grit. These elements reduce efficiency of equipment by plugging and clogging sprinklers, drip emitters, valves, and spray nozzles. These clogs cost time and money in repairs, replacement parts, downtime, wasted energy and a loss of productivity. Decreased efficiency is also a major problem as nozzles gradually clog up or wear out, lowering productivity until replacement occurs. Centrifugal separators are the solution!

Centrifugal separators are designed for easy installation, and unparalleled reliability. **The separator removes 98% of 74 micron (200 mesh) or larger particles that are heavier than water** before these particles can do damage to your system.

Liquids and solids enter the unit and begin traveling in a circular flow. This centrifugal action tosses heavier abrasives downward in a spiral motion to the separation chamber. The particles collect in this separation chamber and are purged from the system. The filtered water is drawn to the separator's vortex and up through the outlet.

An automatic purge controller and valve can be used on all applications. This eliminates the need for manual flushing, turning the separator into an automatic system. Small separators can be wall mounted, hung on the main piping, or placed on legs if desired.

Call Valve and Filter and discover the reasons our customers stay with us. Wherever Water Flows...

Advantages

- No moving parts
- Removal of 98% of solids above 74 micron (200 mesh)
- Heavy duty, corrosion resistant construction for a long service life
- No electricity required
- Capacities of 4 to 6200 gpm.
- Simple installation
- Excellent pre-filter to reduce load on downstream filtration components.
- Low cost
- Made in the USA

Valve and Filter

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Specifications

To select the optimal separator, match your flow-rate to the listed flow range. Operating below the specified flow range will result in low efficiency. Operating above the specified flow range will impose unnecessary pressure drop across the separator.

MODEL	FLOW		LINE SIZE		LENGTH		WEIGHT		FLUSH SIZE	
	GPM	M ³ /hr	IN	CM	IN	CM	LBS	KG	IN	CM
R5V	4 - 10	0.9 - 2.3	0.5	1.3	20	50.8	13	6	1	2.54
R7V	10 - 20	2.3 - 4.5	0.8	1.9	20	50.8	15	7		
R10V	18 - 38	4.1 - 8.6	1.0	2.5	31	77.5	26	12		
R12V	25 - 52	5.7 - 11.8	1.3	3.2	31	77.5	26	12		
R15V	38 - 79	8.6 - 17.9	1.5	3.8	31	77.5	26	12		
R20V	63 - 120	14.3 - 27.3	2.0	5.1	36	91.4	44	20	2	5.08
R25V	100 - 180	22.7 - 6.2	2.5	6.4	44	111.8	55	25		
R30V	125 - 260	28.4 - 59.1	3.0	7.6	48	121.9	75	34		
R40V	190 - 345	43.2 - 78.4	4.0	10.2	52	132.1	120	55		
R40LA	200 - 525	45 - 119	4	10.2	87	221.0	280	127		
R60LA	365 - 960	83 - 218	6	15.2	115.5	293.4	493	224	2	5.08
R80LA	800 - 1600	182 - 364	8	20.3	124.75	316.9	722	328		
R100LA	1300 - 2300	295 - 522	10	25.4	135	342.9	840	382		
R120LA	2025 - 3400	460 - 772	12	30.5	156	396.2	1400	636		
R140LA	2975 - 5000	675 - 1135	14	35.6	167	424.2	1550	705		
R160LA	4000 - 6200	909 - 1408	16	40.6	182	462.3	1850	841		

Automatic-Purge Timer Controller & Motorized Ball Valve

1" Brass ball valve, 120 VAC

2" Brass ball valve, 120 VAC

Notes:

Model "LA" is mounted at 22.5 degree angle. Horizontal "H" available at same price.

LA and H models are supplied with support legs .

R40 - R120 Available in Horizontal Orientation



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