

Water Separators

Models | A3011WS to A3301WS

Flow Rates 6 SCFM (10 Nm³/hr) to 1500 SCFM (2550 Nm³/hr)

Integrating into Walker Filtration's compressed air filtration range, the New Alpha Water Separator combines proven Alpha centrifugal technology with a new forward thinking housing design to deliver market leading water removal efficiencies – eliminating 99% bulk water with continuously low differential pressure.

The custom engineered centrifugal module features unique vanes to eliminate points of low efficiency, and a vortex arrestor to stop re-entrainment - ensuring minimal operating pressure loss and maintaining excellent liquid removal, even at low velocities.

No replacement components are required, making Walker Filtration's Water Separators a viable and cost effective solution for removing bulk water from compressed air.



Unique Centrifugal Module

Removes 99% of bulk water even at low velocities



Externally Accessible Drain Valve

Eliminates the need to access inside the water separator housing when servicing the drain



Modular Construction

Low cost connecting kits and new filter head design enables easy close coupling assembly

- **Energy Saving** Water Separators operate with consistently low differential pressure reducing both energy consumption and operating costs
- **Flexible Installation** Modular design and accessible fixings enable simple close coupling assembly
- **Cost Effective** No replacement components required
- **NEW Externally Accessible Drain Valve** Drain valve can be removed externally on larger models
- **Product Safety in Mind** Guaranteed safe housing closure with rotational safety stop
- **Corrosion Protection** Internal and external electrophoretic painting followed by a tough exterior polyester powder coating

For further information please visit www.walkerfiltration.com



Removes 99%
of bulk water when
tested in accordance
with ISO 12500-4



For further information please call: +1 814 836 2900



Technical Specification

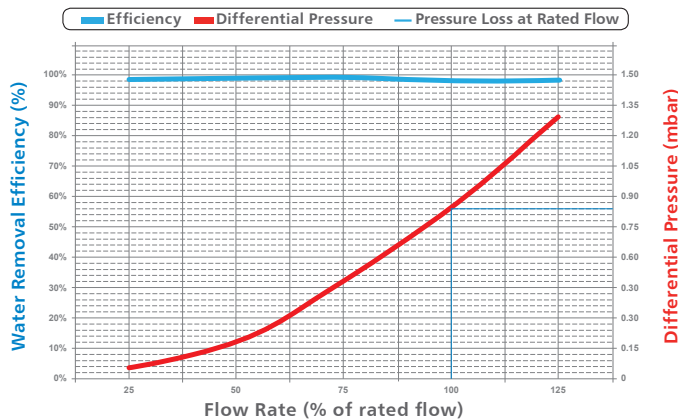
Filter model	Pipe size inches	Inlet flow rate*		Dimensions inches (mm)				Weight	
		SCFM	Nm ³ /hr	A	B	C	D	lbs	kg
A3011WS	1/8	6	10	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3
A3021WS	1/4	15	25	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3
A3022WS	1/4	25	42	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6
A3031WS	3/8	35	59	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6
A3051WS	1/2	50	85	2.76 (70)	0.94 (24)	9.09 (231)	2.76 (70)	1.3	0.6
A3052WS	1/2	70	119	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
A3071WS	3/4	125	212	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
A3101WS	1	175	297	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
A3122WS	1 1/4	280	476	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
A3151WS	1 1/2	400	680	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
A3201WS	2	700	1189	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
A3251WS	2 1/2	850	1444	8.66 (220)	2.75 (70)	16.54 (420)	3.94 (100)	17.6	8.0
A3301WS	3	1500	2550	8.66 (220)	2.75 (70)	16.54 (420)	3.94 (100)	17.6	8.0

*Rated flow at 100 psig (7 barg), reference conditions at 14.5 psi (a) (1 bar (a)) 68°F (20°C)

Grade	WS	
Minimum recommended operating temperature - automatic drain	34°F	1°C
Maximum recommended operating temperature - automatic drain	176°F	80°C
Maximum working pressure - automatic drain	232 psig	16 barg
Minimum recommended operating temperature - manual drain	34°F	1°C
Maximum recommended operating temperature - manual drain	248°F	120°C
Maximum working pressure - manual drain	300 psig	20.7 barg
Typical pressure loss at rated flow	0.8 psi	55 mbar

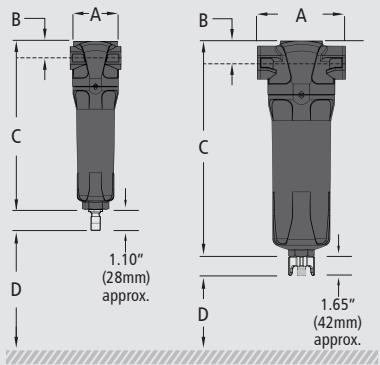
Typical performance

Tested in accordance with ISO 12500-4 using a A3052 Water Separator.



Technical notes

- Water Separators are fitted as standard with normally open float operated automatic drain valves, ADVS16 on models A3011WS to A3051WS and ADVSE16 on models A3052WS to A3301WS. Normally closed operated automatic drain valves (ADVS16C) are available for low range flow applications (2.5 SCFM, 4.2 Nm³/hr). 300 psig (20.7 barg) range at 248°F (120°C) is available when supplied with a manual drain valve (MDV25 on models A3011WS to A3051WS and MDVE25 on models A3052WS to A3301WS). Standard filters can operate at 232 psig (16 barg) at 176°F (80°C).
- Connecting kits are required to connect Water Separators to models A3011 to A3303 - see price guide.
- Wall mounting brackets are available for all models - see price guide.
- Standard threaded connections are NPT to ANSI/ASME B1.20.1. RP (BSP Parallel) to ISO 7-1 and RC (BSP Taper) to ISO 7-1 are also available upon request.



A3011WS - A3051WS A3052WS - A3301WS

