



# Water Separators

Models | A3011WS to A3301WS

Flow Rates 6 SCFM (10 Nm<sup>3</sup>/hr) to 1500 SCFM (2550 Nm<sup>3</sup>/hr)

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

**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



# Technical Specification

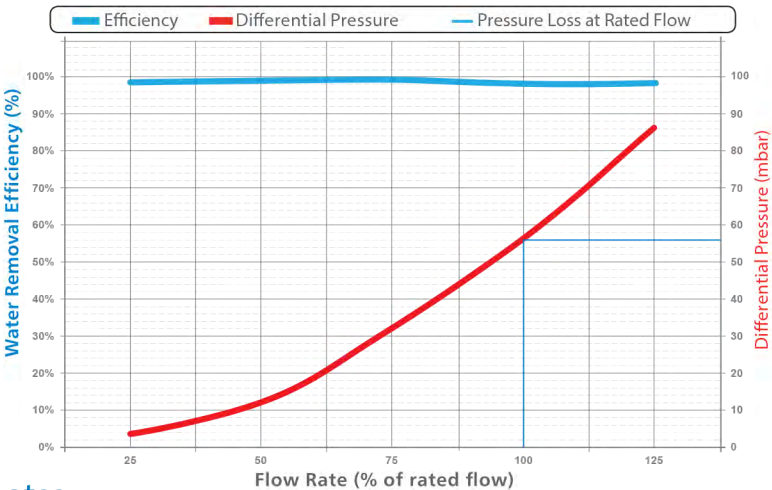
Filter model	Pipe size inches	Inlet flow rate*		Dimensions mm				Weight Kg
		Nm <sup>3</sup> /hr	SCFM	A	B	C	D	
A3011WS	1/8	10	6	50	17	157	60	0.25
A3021WS	1/4	25	15	50	17	157	60	0.25
A3022WS	1/4	42	25	70	24	231	70	0.6
A3031WS	3/8	59	35	70	24	231	70	0.6
A3051WS	1/2	85	50	70	24	231	70	0.6
A3052WS	1/2	119	70	127	32	285	80	1.7
A3071WS	3/4	212	125	127	32	285	80	1.7
A3101WS	1	297	175	127	32	285	80	1.7
A3122WS	1 1/4	476	280	170	53	508	100	4.9
A3151WS	1 1/2	680	400	170	53	508	100	4.9
A3201WS	2	1189	700	170	53	508	100	4.9
A3251WS	2 1/2	1444	850	220	70	420	100	8
A3301WS	3	2550	1500	220	70	420	100	8

\* Rated flow at 7 barg, reference conditions at 1 bar (a) 20°C

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

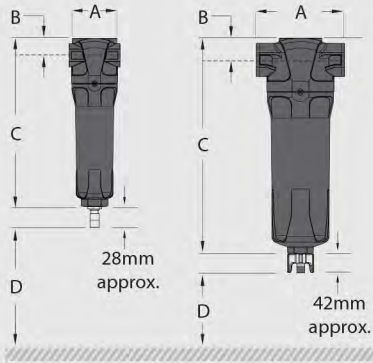
## Typical performance

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



## Technical notes

- Water Separators are fitted with internal automatic float drain as standard on models A3011 to A3051. Models A3052 to A3301 do not include a drain but a 1/2" NPT connection only. Drain is extra and can be purchased separately from CAG Purification.
- 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.
- Threaded connections are Rp (BSP Parallel) to ISO 7-1 or NPT to ANSI/ASME B1.20.1 if supplied within North America. Rc (BSP Taper) to ISO 7-1 also available.
- For NPT threads, add the suffix N, e.g., A3052 NWS, and for Rc threads add the suffix C, e.g. A3052 CWS.



A3011WS - A3051WS A3052WS - A3301WS

CRN

