



# Water Separators

Models | A001WS to A300WS

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

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



**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



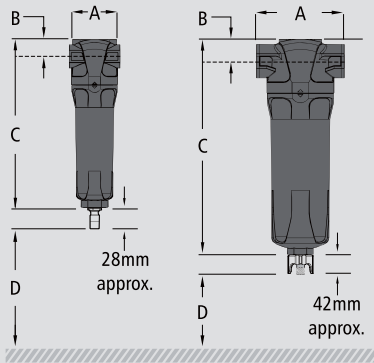
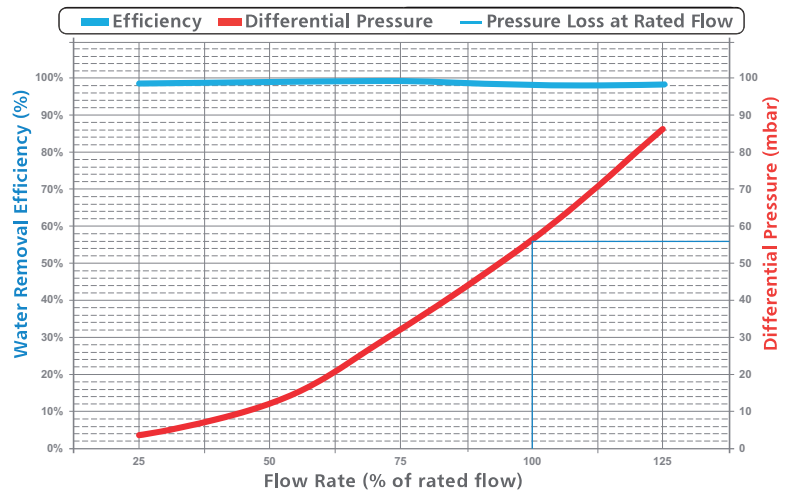
# Technical Specification

Model	Pipe	Flow rate		Dimension				Weight
		Nm <sup>3</sup> /h	SCFM	A	B	C	D	kg
A001 WS	1/8	10	6	50	17	157	60	0.25
A003 WS	1/4	25	15	50	17	157	60	0.25
A005 WS	1/4	42	25	70	24	231	70	0.6
A006 WS	3/8	59	35	70	24	231	70	0.6
A010 WS	1/2	85	50	70	24	231	70	0.6
A014 WS	1/2	119	70	127	32	285	80	1.7
A025 WS	3/4	212	125	127	32	285	80	1.7
A035 WS	1	297	175	127	32	285	80	1.7
A056 WS	1 1/4	476	280	170	53	508	100	4.9
A080 WS	1 1/2	680	400	170	53	508	100	4.9
A140 WS	2	1189	700	170	53	508	100	4.9
A170 WS	2 1/2	1444	850	220	70	450	100	8
A300 WS	3	2549	1500	220	70	450	100	8

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 A010 Water Separator.



A001WS - A006WS A010WS - A300WS

- Water Separators are fitted as standard with normally open float operated automatic drain valves, ADVS16 on models A001WS to A006WS and ADVSE16 on models A010WS to A300WS. Normally closed operated automatic drain valves (ADVS16C) are available for low range flow applications. 20.7 bar range (300 psi) at 120°C (248°F) available when supplied with a manual drain valve (MDV25). Standard filters can operate at 16 barg (232 psig) at 80°C (176°F).
- Connecting kits are required to connect Water Separators to models A001WS to A300WS - 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., A010NWS, and for Rc threads add the suffix C, e.g. A010CWS - see price guide.

