

Water Separators



Bulk water can be found in all compressed air systems. This can be very costly, resulting in corrosion, damage to tools and machinery downtime.

Walker Filtration manufactures a range of water separators to remove 99% of bulk water. This highly efficient product enhances the reliability of compressed air systems, eliminating the problem of costly downtime.

Significantly reduces maintenance costs

The unique fins on the centrifugal module have been custom engineered using the latest CFD software to identify and eliminate points of low efficiency, ensuring excellent liquid removal even at low flow velocities.

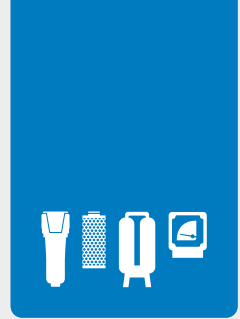
The shield at the bottom of the module prevents re-entrainment of separated water and creates a calm zone allowing for bespoke drainage options

Exceptional performance levels

1/4" to 3" threaded housings are manufactured in robust cast aluminium alloy with a corrosion protective Walker E-Coat finish.

No replacement components are required making Walker Filtration's water separators a viable, cost effective solution.

Tested in accordance with
ISO 12500-4



Applications include:

Electronics

Instrumentation

Laboratories

Manufacturing

Automotive and Robots

Oil & Gas

Paint Applications

Pneumatic Conveying



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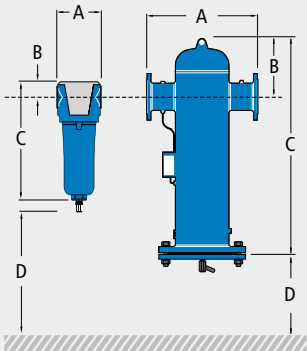


Technical Specification

filter model	pipe size	flow rate		dimensions (mm)				weight Kg
		Nm ³ /h	SCFM	A	B	C	D	
A028 WS	¼"	42	25	70	25	191	90	0.7
A038 WS	⅜"	59	35	70	25	191	90	0.7
A058 WS	½"	85	50	70	25	191	90	0.7
A059 CWS	½"	119	70	100	35	210	90	0.7
A059 WS	½"	119	70	100	35	276	110	1.5
A078 WS	¾"	212	125	100	35	276	110	1.5
A108 WS	1"	297	175	100	35	276	110	1.5
A128 CWS	1¼"	476	280	122	42	380	150	2.3
A128 WS	1¼"	476	280	122	42	460	150	2.5
A158 CWS	1½"	545	320	122	42	380	150	2.3
A158 WS	1½"	545	320	122	42	460	150	2.5
A159 WS	1½"	680	400	146	52	482	180	4
A208 WS	2"	1189	700	146	52	482	180	4
A254 WS	2½"	1445	850	210	67	595	200	8.5
A340 WS	3"	2549	1500	210	67	595	200	8.5
A391 WS	DN80	2160	1270	450	265	1205	n/a	58
A400 WS	DN100	3100	1824	520	285	1245	n/a	74
A600 WS	DN150	6500	3824	680	400	1400	n/a	165
A800 WS	DN200	11000	6470	780	400	1460	n/a	260
A1000 WS	DN250	17000	10000	900	550	1570	n/a	450
A1200 WS	DN300	25500	15000	900	600	1620	n/a	550

* The CWS range has a shorter bowl for compact installations

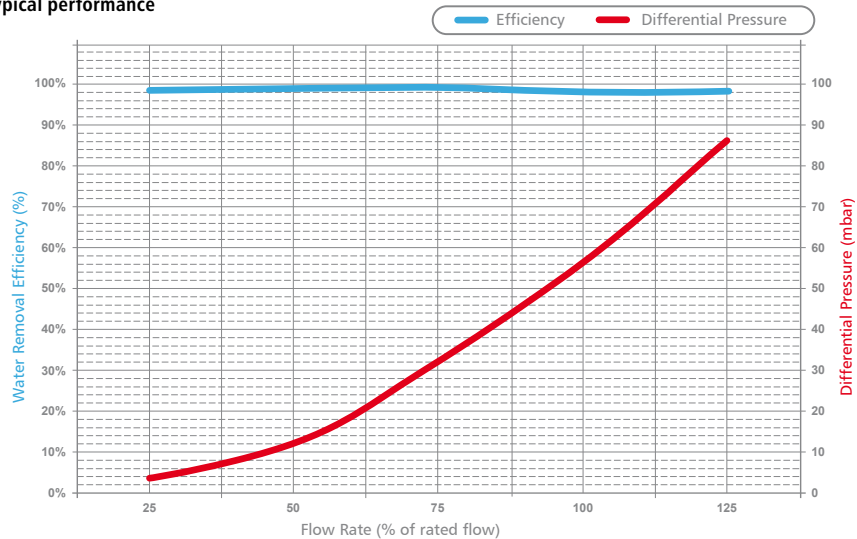
Grade	WS	
Maximum recommended operating temperature	120°C	248°F
Minimum recommended operating temperature	1.5°C	35°F
Maximum working pressure	16 barg	232 psig



A028 WS to A340 WS

A391 WS to A1200 WS

typical performance



Tested in accordance with ISO12500-4 on an A059 WS water separator.
 Exceptional performance at any flow rate makes it perfect for use in variable speed compressor applications.

technical notes

- Water Separators are fitted with float operated automatic drain valves. DVAS16C on models A028 WS to A058 WS and DVAS16 on models A059 CWS to A340 WS . When high quantities of liquid are anticipated, Walker Filtration recommend the use of electronic drain valves. ½" manual drain valves are fitted to A391 WS to A800 WS, ¾" fitted to A1000 WS to A1200 WS as standard.
- An additional ½" side entry port is included on models A391 WS to A800 WS, ¾" for A1000 WS and A1200 WS.
- A connecting kit is required to connect a water separator to filter models A028 to A340.