



Compressed Air and Gas Water Separators

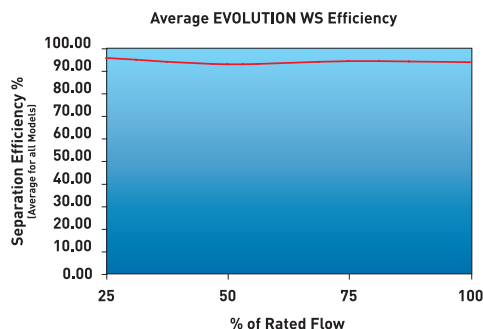
Remove bulk liquids from your application

Protect your equipment from contamination:

Balston's new water separators have been designed for the efficient removal of bulk liquid contamination from compressed air. Today, many products are offered for the removal of bulk liquid from compressed air, however, these are often selected based only upon their initial purchase cost, with little or no regard for the separation efficiency they provide or the cost of operation throughout their life. Balston's water separators have been designed from the ground up with the key design focus on air flow management, separation efficiency at all flow conditions, minimal pressure losses and independently validated performance.



Separation Efficiency:



Tested with an Inlet challenge concentration of 33ml/m³hr and in accordance with ISO 8573.9. Performance shown is an average for all models in range. Individual model performance available on request.

Product Features:

- Tested in accordance with ISO 8573.9
- High liquid removal efficiencies at all flow conditions
- Low pressure losses for low operational costs
- Suitable for variable flow compressors
- Works with all types of compressor and compressor condensate
- Low maintenance

Applications:

- Bulk liquid removal at any point in a compressed air system
- Protection to membrane and desiccant dryer prefiltration
- Liquid removal from compressor inter-coolers / after-coolers
- Liquid separation within refrigeration dryers

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Product Selection and Technical Data

Part Number	Port Size (inches) NPT	SCFM at 100 PSIG	Max Operating Pressure	Max Operating Temp	Min Operating Temp
WS002N	1/4"	25	232	176°F	35°F
WS003N	3/8"	25	232	176°F	35°F
WS004N	1/2"	25	232	176°F	35°F
WSOH3N	3/8"	100	232	176°F	35°F
WSOH4N	1/2"	100	232	176°F	35°F
WS006N	3/4"	100	232	176°F	35°F
WS008N	1"	100	232	176°F	35°F
WSOH6N	3/4"	250	232	176°F	35°F
WSOH8N	1"	250	232	176°F	35°F
WS0010N	1-1/4"	250	232	176°F	35°F
WS0012N	1-1/2"	250	232	176°F	35°F
WSOH10N	1-1/4"	750	232	176°F	35°F
WSOH12N	1-1/2"	750	232	176°F	35°F
WS0016N	2"	750	232	176°F	35°F
WS0020N	2-1/2"	1700	232	176°F	35°F
WS0024N	3"	1700	232	176°	35°

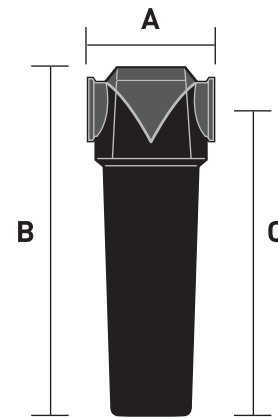
Flow/Pressure Correction Factors

(to calculate flow rates below and above 100 PSIG use this table)

Line Pressure (psig)	Correction Factor
15	0.25
29	0.38
44	0.50
58	0.63
73	0.75
87	0.88
100	1.00
116	1.06
131	1.12
145	1.17
160	1.22
174	1.27
189	1.32
203	1.37
218	1.41
232	1.46

Dimensions and Weights

Part Number	Port Size (inches)	Dimensions (inches)			Weight (lbs)
		A	B	C	
WS002N	1/4"	3	7.2	6	1.3
WS003N	3/8"	3	7.2	6	1.3
WS004N	1/2"	3	7.2	6	1.3
WSOH3N	3/8"	3.8	9.3	7.9	2.4
WSOH4N	1/2"	3.8	9.3	7.9	2.4
WS006N	3/4"	3.8	9.3	7.9	2.4
WS008N	1"	3.8	9.3	7.9	2.4
WSOH6N	3/4"	5.1	10.8	9.2	4.8
WSOH8N	1"	5.1	10.8	9.2	4.8
WS0010N	1-1/4"	5.1	10.8	9.2	4.8
WS0012N	1-1/2"	5.1	10.8	9.2	4.8
WSOH10N	1-1/4"	6.7	17	15	11.2
WSOH12N	1-1/2"	6.7	17	15	11.2
WS0016N	2"	6.7	17	15	11.2
WS0020N	2-1/2"	8.1	19.9	17.5	22
WS0024N	3"	8.1	19.9	17.5	22



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