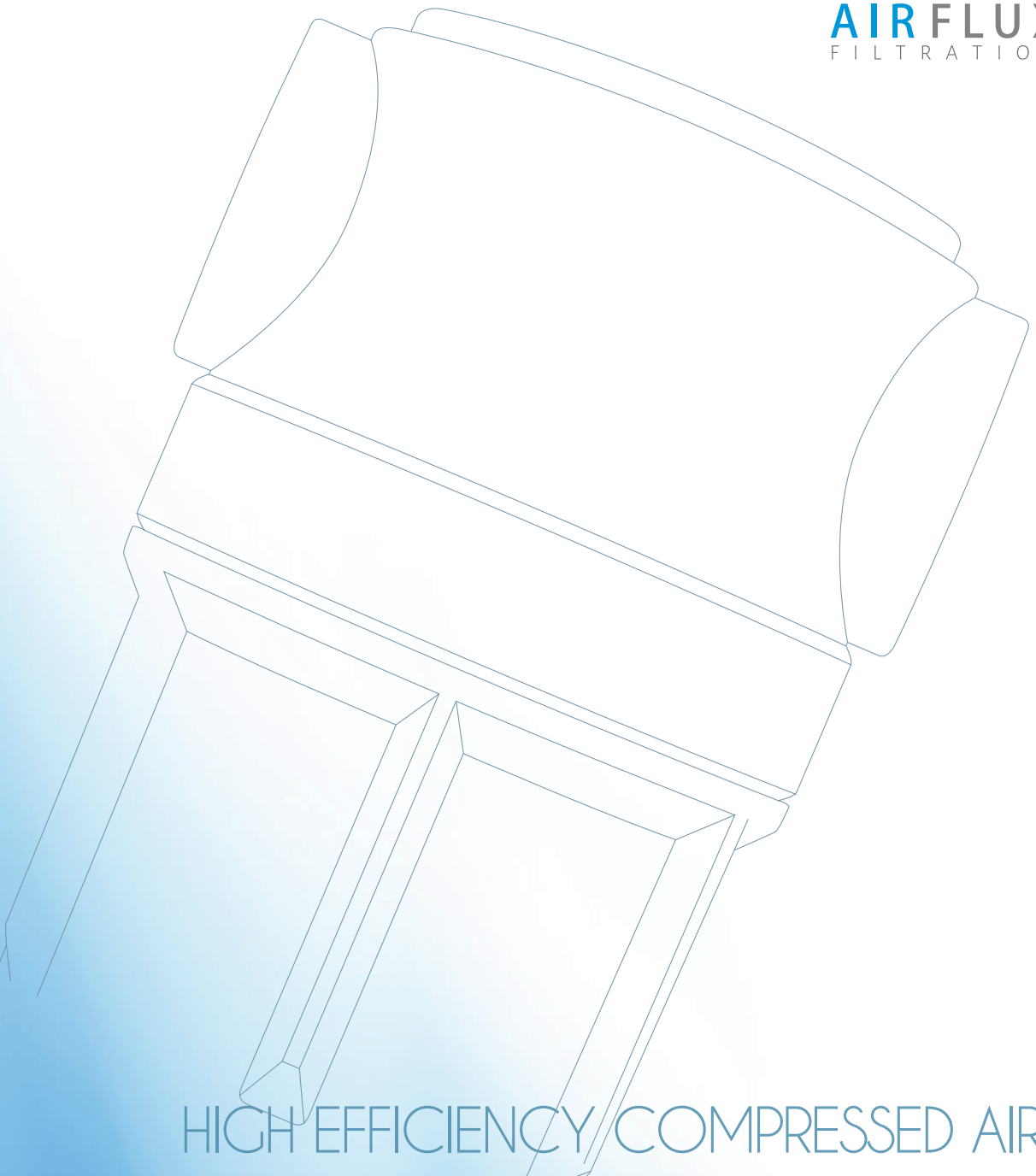
AIR FLUX
FILTRATION



HIGH EFFICIENCY COMPRESSED AIR
WATER SEPARATORS

www. **airfluxfiltration** .com

LLOYD'S REGISTER LRQA
ISO 9001
UKAS MANAGEMENT SYSTEMS
001

Certificate No. :KLR 601450

High Efficiency Compressed Air
WATER SEPARATORS
REMOVE BULK WATER from your COMPRESSED AIR SYSTEM

THE PROBLEM

Bulk water which exists in all compressed air systems causes problems - corosion of piping, permanent damage to valves, cylinders, pneumatic tools, machinery and reducing the effectiveness of aftercollers/heat exchangers.

Corrosion of piping

Damaged pneumatic tools

THE SIMPLE SOLUTION

Over 99% of bulk water can be easily and economically removed by installing a AIRFLUX Type WS High Efficiency Water Separator. Now, your compressed air system will operate much more efficiently with reduced downtime and maintenance costs. This new, patented technology will also improve the effectiveness of aftercoolers, refrigerant dryers, filters and other downstream equipment.

Corrosion protected inside and out with Alocrom treatment then a tough epoxy paint finish is baked on to give extra long life.

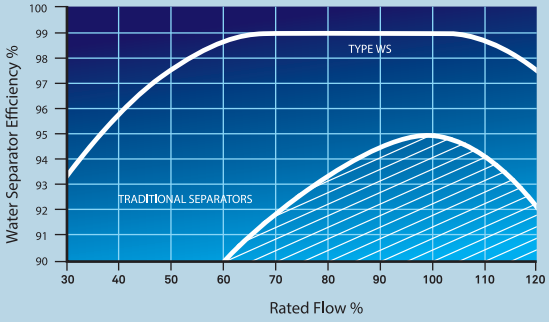
Rapid corrosion of untreated aluminium

No corrosion with Alocrom treatment

BENEFITS

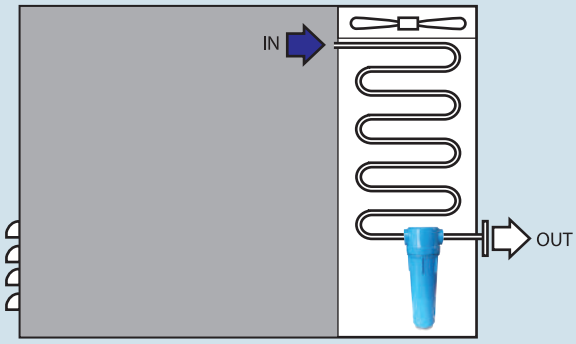
- 99% Efficient
- Cost Effective
- Low Maintenance
- High Flow Rates
- Automatic Drainage
- Very Low Differential Pressure
- Removes Rust and Pipe Scale
- Lifetime Guarantee

Type WS - for exceeds the performance of traditional low technology separators



OEM Service - to Compressor, Aftercooler and Refrigerant Dryer Manufacturers.

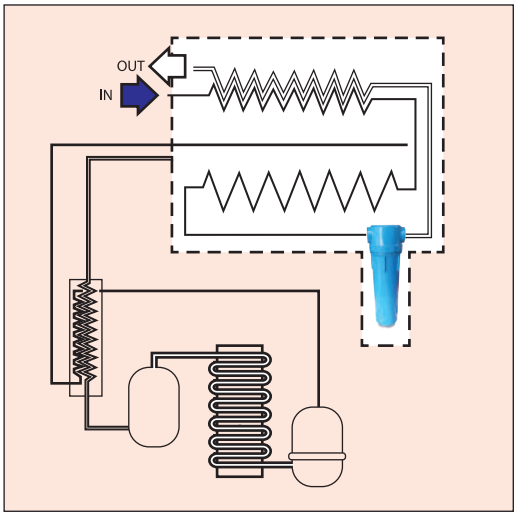
AirFlux works hand in hand with many well known Original Equipment Manufacturers to improve performance and reduce costs.
A dedicated engineering team with many years of expertise provides specialist water separation advice. The latest design technology linked to purpose built development laboratories ensures the best technical and commercial solution.



Compressor with aftercooler

Compressors and Aftercoolers

In compressors, condensation occurs between compression stages, and unless effectively removed, causes inefficiency and potential damage. At the aftercooler stage, water will also condense and reduce its ability to achieve maximum air density and minimised power loss. AirFlux Type WS High Efficiency Water Separators positioned at the point of discharge will remove condensed water and improve overall efficiency and reliability.



Refrigerant Dryers

Refrigerant Dryers

The difficulty with refrigerant based dryers is that water will always condense after the lowest temperature in the heat exchanger. No matter how efficient the heat exchanger can be made, if this condensed water is not removed from the compressed air stream, it will re-evaporate and significantly reduce the dewpoint efficiency.

By installing a AirFlux Type WS high Efficiency Water Separator at the lowest temperature in the headt exchange, the best possible outlet pressure dewpoint will be achieved. Typically +1 °C (1.8°F) above the lowest temperature. (e.g. lowest temperature +2°C (35.6°F) then outlet pressure dewpoint +3°C (37.4°F)).

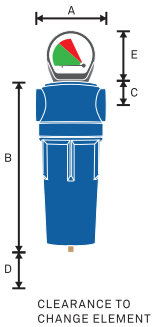
SPECIFICATION & TECHNICAL DATA

MODEL	PORT SIZE [BSP-F]	FLOW RATE [at 7 bar g/100 psi g]		DIMENSIONS [mm]					APPROX. WEIGHT [kg]
		m^3/min	cfm	A	B	C	D	E	
WS05	1/2”	0.96	34	88	200	24	80	70	0.9
WS10	1/2”	1.33	47	88	230	24	100	70	1.0
WS15	3/4”	2.03	72	88	288	24	150	70	1.3
WS25	1”	4.00	141	128	308	39	160	70	2.6
WS40	1 - 1/2”	7.20	254	128	394	39	220	70	2.8
WS75	1 - 1/2”	9.05	320	128	490	39	320	70	3.6
WS100	2”	15.00	530	170	590	55	400	70	6.2
WS125	2”	19.80	699	170	730	55	530	70	7.2
WS175	2 - 1/2”	26.00	918	170	1085	55	770	70	11.2
WS300	3”	37.50	1324	245	1100	74	600	70	20.0
WS460	DN80	46.00	1645	440	1310	200	80	70	80
WS520	DN80	52.30	1846	500	1241	230	100	70	108
WS780	DN100	78.48	2770	500	1241	230	150	70	110
WS1040	DN100	104.70	3695	640	1325	280	160	70	151
WS1560	DN150	156.96	5540	790	1424	300	220	70	212
WS2090	DN200	209.28	7386	790	1424	340	320	70	232
WS2610	DN200	261.66	9235	840	1687	360	400	70	357
WS3130	DN250	313.98	11082	940	1687	420	530	70	455
WS4180	DN250	418.62	14775	940	1821	420	770	70	462
WS5230	DN300	523 32	18470	940	1910	450	780	70	528

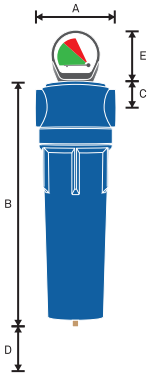
In case of a different operating pressure, the above flow rate should be multiplied by the relevant correction fact

Bar g	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Psi g	15	29	44	58	73	87	100	116	131	145	160	174	189	203	218	232
Factor	0.25	0.38	0.50	0.65	0.76	0.88	1.00	1.12	1.25	1.39	1.51	1.65	1.74	1.90	2.02	2.18

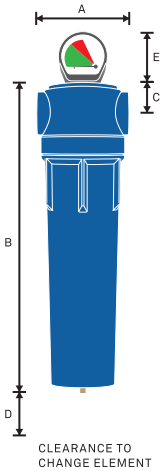
WS 05 - A15



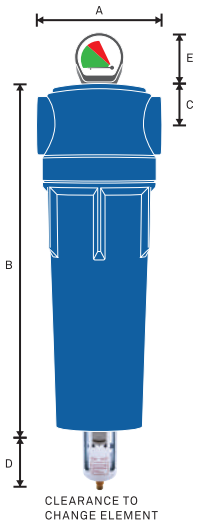
WS 25 - A75



WS 100 - A125



WS 175 - 300



WS 460 - WS 5230