



Supplier: AIRTRUST

Project name:

Date: 98.02.24

Document Title: Water Separator technical data

Contract No:

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AIRTRUST WATER SEPARATORS: Product Specification

Ordering and Performance Data

Model	Flow Rate (m ³ /min)	Port Size(Inch - DN)	Max Pressure (bar g)	Max Temp. (°C)
ATWS 20	2	G 1	16	80
ATWS 30	3	G 1	16	80
ATWS 40	4	F 1 ½	16	80
ATWS 50	5	F 1 ½	16	80
ATWS 60	6	F 1 ½	16	80
ATWS 70	7	F 2	16	80
ATWS 80	8	F 2	16	80
ATWS 100	10	F 2	16	80
ATWS 120	12	F 2	16	80
ATWS 150	15	F 3	16	80
ATWS 200	20	F 3	16	80
ATWS 250	25	F 3	16	80
ATWS 300	30	F 3	16	80
ATWS 400	40	F 4	16	80
ATWS 500	50	F 4	16	80
ATWS 800	80	F 6	16	80
ATWS 1000	100	F 6	16	80
ATWS 1500	150	F 8	16	80
ATWS 2000	200	F 8	16	80

Note: For larger flow rates ,please consult factory.

Operating Range

Site Selection	Frost –free indoor installation in a non-hazardous environment
Ambient Temperature	5-40 °C
Max. Compressed Air Inlet Temp.	80 °C
Min. Compressed Air Inlet Temp.	1.5 °C
Max. Operation Pressure	16 bar g
Typical Pressure Loos at Rated Flow	50 mbar g
Medium	Compressed air and gaseous N2

Note: Not for breathing air.



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Correction Factors

Pressure (bar)	1 bar	3 bar	5 bar	7bar	10bar	13bar	14bar	15bar	16bar
Correction Factors	0.3	0.5	0.8	1	1.3	1.5	1.6	1.7	1.90

Note: Design conditions are 100 psig

Sizing Example

Actual Flow	150 m3/h
Min. Pressure	10 bar g
Max. Inlet Temp.	50°C
Factor from Table	1.3

Actual Flow/Factor = $150 / 1.3 = 115.3$ m3/h
Select: ATWS200