

Supplier: **AIRTRUST****Project name:****Date:** 99.02.24**Document Title:** Micro filter technical data**Contract No:**

Client:

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AIRTRUST MICRO FILTER:

Product Specification

Ordering and Performance Data

Model	Flow Rate (m3/h)	Port Size(Inch)	Max Pressure (bar g)	Max Temp. (°C)
ATM20	20	1/4	16	75
ATM40	40	3/8	16	75
ATM50	50	3/8	16	75
ATM100	100	1/2	16	75
ATM150	150	3/4	16	75
ATM200	200	1	16	75
ATM250	250	1	16	75
ATM300	300	1 1/4	16	75
ATM500	500	1 1/2	16	75
ATM600	600	1 1/2	16	75
ATM850	850	1 1/2	16	75
ATM1200	1200	2	16	75
ATM1520	1520	2	16	75
ATM1820	1820	2 1/2	16	75
ATM2220	2220	3	16	75
ATM2620	2620	3	16	75
ATM3000	3000	F3	16	75
ATM4000	4000	F4	16	75
ATM6000	6000	F6	16	75

Note: For larger flow rates ,please consult factory.

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Operating Range

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

Note: Not for breathing air.

Specifications	Pre-filter	Main filter	Dust Filter	Activated Carbon
Grade	P	M	D	A
Particle Removal(Micron)	1	0.1	1	0.01
Max .Oil carryover at 20°C (mg/m3)	0.5	0.01	0.5	0.003
Max .Working temperature(°C)	78	78	78	78
Initial pressure loss (mbar)	45	78	95	78
Pressure loss for element change (mbar)	650	650	650	650

Dimensions and Weight

Model	Height(mm)	Width (mm)	Weight (kg)
ATM20	193	75	5
ATM40	193	75	5
ATM50	220	100	7
ATM100	220	100	7
ATM150	260	125	8.5
ATM200	305	125	10
ATM250	365	125	11
ATM300	405	125	11.5
ATM500	463	125	12.5
ATM600	493	125	14.3
ATM850	538	160	15
ATM1200	626	160	15.5
ATM1520	695	195	16
ATM1820	730	195	17
ATM2220	870	195	17
ATM2620	925	195	18
ATM3000	1150	580	70
ATM4000	1230	650	90
ATM6000	1450	685	105



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Correction Factors

Operation Pressure (bar g)	1	3	5	7	9	11	13	15	16
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.44	1.5

Sizing Example

Actual Flow	150 m3/h
Min. Pressure	9 bar g
Factor from Table	1.12

Actual Flow/Factor = $150 / 1.12 = 133.9$ m3/h

Select: ATM150