

A-Dry 3.5 – 60 SCFM

ADVANTAGES

- ✓ **Wide range of sizes to fit you needs**
- ✓ **Robust and intuitive ready to use controller**
- ✓ **Simple assembly and disassembly**
- ✓ **Fast and reliable servicing**

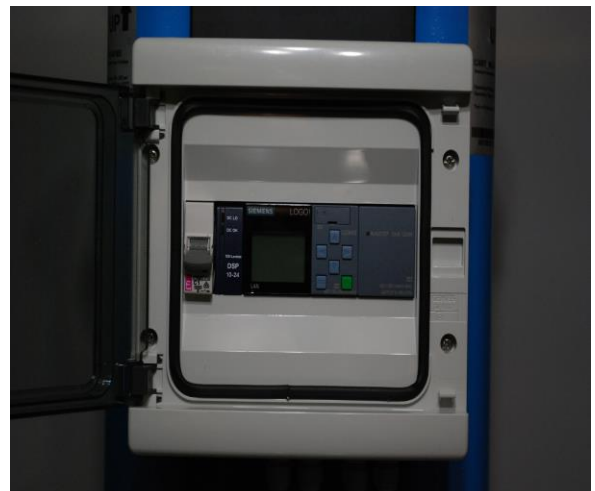
Description

A-Dry desiccant adsorption dryers have been designed to separate water moisture from the compressed air system while providing a -40 dew point at the outlet.

Customer consideration was kept in mind when developing the A-Dry series dryers. Due to the innovative design, customer installation is fast and easy with the included floor mounting stand, 115/60/1 electrical plug, tower pressure gauges, and preprogrammed controller set in fix mode. (Optional wall mounting brackets available)

Features

The A-Dry desiccant dryer uses a programmable SIEMENS “LOGO” PLC controller with LCD display to maintain the dryer switching operations. Cycle times can be set to a fixed cycle, variable cycle, or an optional dew point outlet sensing cycle. There is a standby mode feature when wired to an air compressor. Additionally, the LCD displays total working hours and total number of cycles as well as alarm / warning outputs and a condensate drain timer control output terminal. The A-Dry can also be wired to a network.



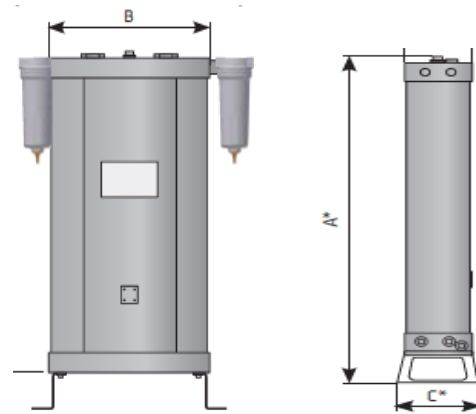
Technical Data

Dimensions

Model	Nominal Inlet Flow (1) SCFM	Nominal Outlet Flow (2) SCFM	Inlet/Outlet Connections	Voltage	Inches A*	Inches B	Inches C*	Weight LBS
A-Dry 06	3.5	2.9	3/8" NPT	115/60/1	19 3/4"	14"	8 1/4"	25 lbs 6 oz
A-Dry 12	7	5.8	3/8" NPT	115/60/1	27 3/8"	14"	8 1/4"	31 lbs 5 oz
A-Dry 24	14	11.8	3/8" NPT	115/60/1	42 3/8"	14"	8 1/4"	42 lbs 9 oz
A-Dry 36	21	17.6	3/8" NPT	115/60/1	58 1/4"	14"	8 1/4"	53 lbs 13 oz
A-Dry 60	35	29.5	1/2" NPT	115/60/1	42 3/8"	16 3/4"	10"	99 lbs 3 oz
A-Dry 75	44	36.9	1/2" NPT	115/60/1	50 3/8"	16 3/4"	10"	116 lbs 14oz
A-Dry 105	60	51.7	3/4" NPT	115/60/1	68 7/16"	16 3/4"	10"	154 lbs 7oz

- (1) - Refers to 14.5 psig and 68 degrees F at 100 psig operating pressure, inlet temperature at 95 degrees F and pressure dewpoint at outlet -40 F
 (2) - Outlet flow refers to typical air assumption during regeneration phase for operating at nominal inlet flow conditions. Outlet flow includes average air losses of approximately 17.3 %.

Operating Pressure Range	58–232 psig
Operating Temperature Range	35–113 F
Pressure Dew Point	-40 F
Voltage	115/60/1
Power Consumption	<60 W
Stand-By Contact	24 VDC
Protection Class Housing	IP 65



Correction Factors – Operating Pressures

Operating Pressure	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction Factor	0.63	0.75	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.00	2.13

Correction Factors – Inlet Temperatures

Inlet Temperature F	77	86	95	104	113	122
Correction Factor	1.00	1.00	1.00	0.97	0.87	0.80

Example: Correct flow capacity for nominal flow capacity of 22 (scfm) at an operating pressure of 70 (psi) and an inlet temperature of 105 F. **Corrected Capacity = 0.75 x 0.97 x 22 = 16 scfm**

Standard Included Equipment

- ✓ Tower Pressure Gauges
- ✓ SIEMENS PLC Controller
- ✓ Floor Mounting Brackets
- ✓ 115/60/1 power cord

* Optional Pre & After Filter Models

- A-Dry 06,12,24 Part number: FT30KIT
- A-Dry 36,60,75 Part number: FT45KIT
- A-Dry 105 Part number: FT65KIT

*Optional Wall Mounting Bracket

Part Number: WMB-AD

*Optional Dew Point Sensor

Part Number: DPM-AD

Buy from your local distributor



Please Recycle



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