



PROdry ASD

REFRIGERATED DRYERS BY DEVAIR

- › Patented refrigerant circuit designed to adjust cooling capacity to suit volume and temperature of treated air.
- › Two-stage heat exchanger to improve efficiency and energy savings.
- › High-efficiency stainless steel moisture separator guarantees an extremely low pressure-drop and smooth operation even under heavy working conditions.
- › Microprocessor controls on all models keep stable dewpoint and eliminate the risk of freezing.
- › Thermally protected cooling fans, and a safety system to prevent compressor damage due to malfunction or high working temperatures.
- › Self adjusting controls to provide extremely low and constant dew point, while preventing icing.
- › Powder coated, rugged steel cabinet with removable side panels.
- › Automatic electronic drain standard with each unit.



PROTECT YOUR COMPRESSED AIR SYSTEM with **PROdry ASD**

AIR COMPRESSORS YOU KNOW YOU CAN TRUST

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THESE COMPACT, EASILY SERVICEABLE DRYERS remove moisture by lowering the temperature of the compressed air, and forcing moisture to condense out. This condensed water is then drained off. The net impact is a lessening of the chances that “rogue” moisture will find its way into critical work areas downstream of the compressor, and an overall improvement in the quality of your compressed air.

IN SIZES RANGING FROM 10CFM THROUGH 400CFM, these dryers meet the exacting standards that allow them to complement all Devair air compressors. A one year limited liability warranty is supplied with each unit.

ALL PRODRY ASD DRYERS are microprocessor controlled, and are equipped with an energy saving heat exchanger, high efficiency condensate separator, and a large surface area freon condenser. A built in safety shut-off protects the compressor in the unlikely case of a dryer malfunction or operating at temperatures above set limits.



CONTROLLER PANELS display dewpoint and details of internal operation (compressor and condensate drain). Dewpoint temperature may be digitally set. Larger models (150 CFM and over) are equipped with a manual “On/Off” override switch.

CORRECTION FACTORS FOR HTD DRYERS

Correction factors for working pressure

PSI	73	87	102	116	131	145	160	174	188	203
FC1	0.85	0.93	1	1.06	1.11	1.15	1.18	1.2	1.22	1.24

Correction factors for ambient temperature

Deg.F/C	80/26	90/32	100/37	105/40	110/43	122/50
FC2	1.1	1.05	1	0.98	0.83	0.65

Correction factors for inlet air temperature

Deg.F/C	80/26	90/32	100/37	110/43	120/49	130/54	140/60
FC3	1.3	1.18	1	0.8	0.6	0.42	0.25

Calculations using correction factors; Actual Dryer Flow Rate = nominal dryer flow rate x FC1 x FC2 x FC3

Devair Model #	Capacity* CFM	Voltage 1phase 60 Hz	Pipe Size		Dimensions (in)		Weight (lbs)
			NPT	H	W	L	
ASD10	10	115	3/8 tube	16.75	14.625	19.5	64
ASD15	15	115	3/8 tube	16.75	14.625	19.8	64
ASD30	30	115	1/2	22.75	14.625	19.8	66
ASD40	40	115	3/4	22.75	16.54	21.5	104
ASD60	60	115	3/4	22.75	16.54	21.5	110
ASD100	100	115	1	38.5	16.54	21.5	198
ASD150	150	230	1 1/2	38.5	19.8	23.8	187
ASD200	200	230	1 1/2	38.5	19.8	23.8	203
ASD320	320	230	2	56.1	29.53	28.35	242
ASD400	400	**230	2	56.1	29.53	28.35	286

* Capacity at 100°F, 100psi ** 3 phase



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