



# PRODRY ASD REFRIGERATED DRYERS BY DV SYSTEMS

100+ YEARS OF ENGINEERING & MANUFACTURING EXCELLENCE

BUILT BETTER

DRYERS



ASD15



ASD500



ASD200

- › 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

[dvsystems.ca](http://dvsystems.ca)



# PRODRY ASD REFRIGERATED DRYERS BY DV SYSTEMS

**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 500CFM**, these dryers meet the exacting standards that allow them to complement all DV Systems 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 ASD 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

DV Systems Model #	Capacity CFM*	Voltage 1phase 60 Hz	Pipe size		Dimensions (inch)			Weight (lbs)
			NPT	H	W	L		
ASD10	10	115	3/8	15.44	12	14.16	39.7	
ASD15	15	115	3/8	15.44	12	14.16	39.7	
ASD30	30	115	1/2	17.85	15.35	16.99	59.5	
ASD40	40	115	1/2	17.85	15.35	16.99	61.7	
ASD60	60	115	3/4	21.64	16.52	20.26	77.2	
ASD100	100	115	3/4	22.25	16.52	20.26	103.6	
ASD150	150	230	1 1/2	38.6	19.8	26.73	192	
ASD200	200	230	1 1/2	38.6	19.8	26.73	192	
ASD320	320	230	1 1/2	38.6	19.8	26.75	243	
ASD400	400	230	2	52.76	29.53	28.35	264	
ASD500	500	460 3 ph	2	52.76	29.53	28.35	286	

\* Capacity at 100°F or 37°C, 100psi

**DV SYSTEMS** recommends installation of a pre-filter up stream of dryer.

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As we are continually trying to improve our products, specifications are subject to change without notice.