



# PRODRY® ASD REFRIGERATED AIR DRYERS

- › **ENERGY-EFFICIENT VARIABLE-SPEED FAN**  
Aligns Energy Use with Air Demand
- › **TWO-WAY HEAT-EXCHANGER**  
Improves Efficiency & Energy Savings
- › **MICROPROCESSOR CONTROLLER**  
Maintains Stable Dew Point
- › **HIGH-EFFICIENCY, STAINLESS-STEEL MOISTURE SEPARATOR**  
Low Pressure Drop & Smooth Operation
- › **PATENTED REFRIGERANT CIRCUIT DESIGN**  
Adjusts Cooling Capacity to Air Volume & Temperature
- › **SELF-ADJUSTING CONTROLS**  
Provide Low and Constant Dew Point while Preventing Icing
- › **THERMALLY PROTECTED COOLING FANS & SAFETY SYSTEM**  
Prevents Compressor Damage Due to Malfunction or High Working Temperature
- › **AUTOMATIC ELECTRONIC DRAIN**  
Standard with Every Air Dryer



**BUILT BETTER**



# PRODRY® ASD REFRIGERATED AIR DRYERS

MAXIMUM INLET TEMPERATURE 120° F

The compact and easily serviceable ProDry® ASD air dryer removes moisture by lowering the temperature of the compressed air, forcing moisture to condense and drain-out. This process diminishes the possibility of rogue moisture entering critical work areas downstream of the air compressor, improving overall compressed air quality and system-efficiency.

ProDry® ASD Refrigerated Standard Air Dryers range from 10 to 500 SCFM and are microprocessor controlled, ensuring a stable dew-point temperature.

All ProDry® ASD Air Dryers are equipped with a 2-stage heat-exchanger, improving efficiency and energy savings, and include a high-efficiency condensate separator and large surface-area refrigerant condenser.

ProDry® ASD Air Dryers are equipped with an automatic electronic drain.

Controller panels display dew point and details of the operation of the internal air compressor and auto drain. Dewpoint temperature may be digitally set.

ProDry® ASD dryers are UL approved.



## 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	120/50	
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	120/50	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 1 phase 60 Hz	Pipe size NPT	Dimensions (inch)			Weight Lbs
				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"	17.35	15.35	16.99	59.5
ASD40	40	115	1/2"	17.35	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"	23.7	19.1	23.43	118.8
ASD200	200	230	1 1/2"	38.6	19.7	26.73	192
ASD320	320	230	1 1/2"	38.6	19.7	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 (DFA 1micron) upstream of the air dryer.



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