



# PRODRY® HTD HIGH TEMPERATURE 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**  
Provides Low & Constant Dew Point While Preventing Icing
- › **THERMALLY PROTECTED COOLING FANS & SAFETY SYSTEM**  
Prevents Compressor Damage Due to Malfunction or High Working Temperatures
- › **SOLID CONSTRUCTION**  
Powder Coated, Rugged Steel Cabinets with Removable Side Panels



**BUILT BETTER**



# PRODRY® HTD HIGH TEMPERATURE AIR DRYERS

MAXIMUM INLET TEMPERATURE 180° F

**Dry, Cool, Clean Air** is critical in many applications as well as essential in ensuring an air system's reliability and efficiency. Employing an air dryer with proper filtration ensures the delivery of clean, cool, dry compressed air, preventing moisture and contaminants from reaching sensitive areas downstream of the air compressor.

The Refrigerated, High-Temperature ProDry® HTD Air Dryers range from 18 to 52 SCFM and are designed to handle high air-inlet temperatures up to 180° F. The digital control panel allows for control and modification of many operating parameters to ensure optimum performance.

All ProDry® HTD 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.

HTD26 - HTD52 Models feature an internal DF Series 0.1 Micron air filter.

The control panel displays the dew point and details of operation of the internal compressor and condensate drain. Dew point temperature may be digitally set.

ProDry® HTD air dryers are equipped with an automatic electronic drain.

These units are specifically designed for use with 5-15 HP reciprocating (piston) air compressors.



### Correction factors for working pressure

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

### Correction factors for ambient temperature

<b>Deg.F/C</b>	80/26	90/32	95/35	105/40	110/43	120/49
<b>FC2</b>	1.22	1.07	1	0.75	0.6	0.28

### Correction factors for inlet air temperature

<b>Deg.F/C</b>	120/49	140/60	150/66	160/71	170/76	180/82	200/93
<b>FC3</b>	1.25	1.1	1	0.93	0.83	0.75	0.5

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

Model #	Capacity CFM*	Voltage 1-Phase 60 Hz	Pipe size NPT	H	Dimensions		Weight Lbs
					W	L	
HTD18	18	110	1/2"	17"	14 1/2"	18"	81
HTD26	26	110	1/2"	26"	14 3/8"	19 5/8"	75
HTD37	37	110	1/2"	26"	14 3/8"	19 5/8"	79
HTD52	52	110	1/2"	26"	14 3/8"	19 5/8"	86

\* Capacity at 100°F or 37°C, 100psi

**DV Systems** recommends installation of a pre-filter (DFA 1micron) upstream of the air dryer.

**FOR MORE INFORMATION VISIT**  
[DVSYSTEMS.COM](http://DVSYSTEMS.COM)

DISTRIBUTED BY:



### DV Systems Canada

490 Welham Rd., Barrie, ON L4N 8Z4  
Phone: 705 728-5657, Fax: 705 728-4974  
[sales@dvsystems.com](mailto:sales@dvsystems.com)  
[dvsystems.com](http://dvsystems.com)

©DV Systems Inc. 2019

HTD Dryers-01-19-7 Printed in Canada

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