



PROdry HTD

HIGH INLET TEMPERATURE DRYERS BY DEVAIR

- › Handles inlet temperatures up to 180° F.
- › Freon R134a refrigerant.
- › Insulated secondary heat exchanger with encapsulated stainless steel moisture separator.
- › Fully digital control panel accurately monitors dew point, compressor fan, auto-drain and temperature.
- › Low maintenance.
- › Variable-speed fan to maintain balanced dew point; cross ventilated to allow installation close to wall.
- › Remote signal alarm relay.
- › Microprocessor controlled solenoid drain valve with Y trap.
- › Rugged powder coated steel cabinet.
- › Low noise level.
- › Space saving design.
- › Easy access panels for maintenance.



PROTECT YOUR COMPRESSED AIR SYSTEM, **PROdry HTD** WILL DO JUST THAT.

AIR COMPRESSORS YOU KNOW YOU CAN TRUST

PROdry HTD

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MOST COMPRESSED AIR SYSTEMS NEED A DRYER to protect downstream tools and applications from the effects of moisture. Otherwise damage from rust, poor paint applications and other expensive problems may occur. This new series of dryers from Devair represents all the latest advancements in dryer technology to ensure the best performance from your system.

HTD dryers are designed to handle air inlet temperatures up to 180° F, these units may be connected directly to the air compressor. The digital control panel allows for control and modification of many operating parameters to ensure optimum performance.

One Year Limited parts and labor warranty is provided with each dryer.



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 | 95/35 | 105/40 | 110/43 | 120/49 |
| FC2 | 1.22 | 1.07 | 1 | 0.75 | 0.6 | 0.28 |

Correction factors for inlet air temperature

| | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|
| Deg.F/C | 120/49 | 140/60 | 150/66 | 160/71 | 170/76 | 180/82 | 200/93 |
| FC3 | 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

ADVANCED MICROPROCESSOR CONTROLS let you custom tailor your dryer to your system's needs. Monitor and /or control: dewpoint, compressor, fan, auto-drain, power supply, high temperature limit and general fault.

| Devair Model # | Capacity CFM | Voltage 1 phase 60 Hz | Pipe Size | | Dimensions (in) | | | Weight (lbs) |
|----------------|--------------|-----------------------|-----------|----|-----------------|--------|----|--------------|
| | | | NPT | H | W | L | | |
| HTD18 | 18 | 110 | 1/2" | 17 | 14 1/2 | 18 | 81 | |
| HTD26 | 26 | 110 | 3/4" | 26 | 14 3/8 | 19 5/8 | 75 | |
| HTD37 | 37 | 110 | 3/4" | 26 | 14 3/8 | 19 5/8 | 79 | |
| HTD52 | 52 | 110 | 3/4" | 26 | 14 3/8 | 19 5/8 | 86 | |



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