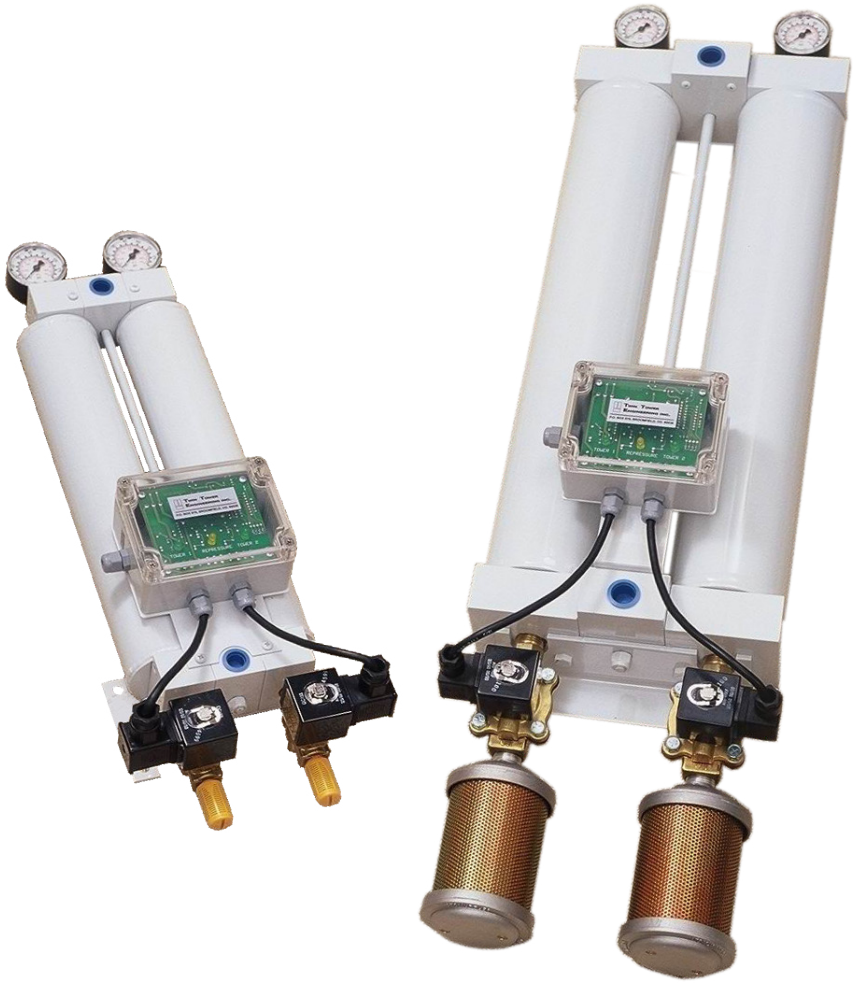
HR Series

Features:

- *Very dry outlet air to better than -100°F dew point.*
- *Flow capacities of 3 to 50 SCFM.*
- *8 model sizes to match application requirements.*
- *Max pressure 150 PSIG.*
- *Compact and lightweight design requires less space.*
- *Solid state timer with memory for energy savings.*
- *Standard NEMA 4X electrical Rating.*
- *Fully repressurizing design for steady outlet pressure.*
- *Fixed, self cleaning orifices for accurate purge control.*
- *Standard non-plugging, non-coroding purge mufflers.*

Using Pressure Swing Adsorption (PSA) technology, the Twin Tower Engineering regenerative air dryers are designed to maximize the efficiency of the drying process. Ultra-Dry compressed air dew points of -40°F to better than -100°F can be achieved.



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TWIN TOWER ENGINEERING

Model Number	HR1	HR2	HR3	HR4	HR5	HR6	HR6.5	HR7
Flow Capacities (scfm) at 100 PSIG								
Inlet Flow	3.0	6.0	9.0	12.0	16.0	25.0	35.0	50.0
Purge Flow	0.8	1.6	2.4	3.2	3.4	5.4	7.8	10.8
Outlet Flow	2.2	4.4	6.6	8.8	12.6	19.6	27.2	39.2
*Flow Capacities (scfm) at 150 PSIG								
Inlet Flow	4.2	8.4	12.9	17.2	22.5	35.9	50.3	71.9
Purge Flow	0.8	1.5	2.4	3.3	3.4	5.5	8.0	11.1
Outlet Flow	3.4	6.9	10.5	13.9	19.1	30.4	42.3	60.8
*Flow Capacities (scfm) at 50 PSIG								
Inlet Flow	1.7	3.4	5.1	6.8	9.0	14.1	19.6	28.2
Purge Flow	0.7	1.4	2.1	2.8	3.0	4.8	7.7	9.7
Outlet Flow	1.0	2.0	3.0	4.0	6.0	9.3	11.9	18.5
Inlet/Outlet Connections (npt)								
	3/8″	3/8″	3/8″	3/8″	1/2″	1/2″	1/2″	1/2″
Dimensions (Inches)								
Height	13.6	18.2	17.3	20.1	33.0	41.9	39.3	46.3
Width	7.4	7.4	7.4	7.4	9.5	9.5	10.0	10.0
Depth	5.2	5.2	5.2	5.2	6.5	6.5	7.0	7.0
Weight (pounds)	8	9	10	11	29	34	59	65

* Indicates flow capacities with orifice change

Typical Applications:

- *Air Bearings*
- *Air Brushing*
- *Air Operated Pumps*
- *Air Turbines*
- *Antenna Pressurization*
- *Car Wash Controls*
- *CEMS Systems*
- *Dental Compressors*
- *Dry Sprinkler Systems*
- *Environmental Chambers*
- *FTIR Spectrometers*
- *Gas Chromatographs*
- *Laboratory Analyzers*
- *NMR Spectroscopy*
- *Outdoor HVAC Controls*
- *Ozone Generators*
- *Pneumatic Automation*
- *Robotic Machinery*
- *Vortex Tubes*
- *Waveguide Pressurization*

All Models:	Maximum temperature:	120˚ ambient
	Maximum pressure:	150 PSIG
	Outlet dew point:	-40˚F pressure dew point with 100˚F saturated inlet (-100˚F optional)
	Recommended filtration on inlet:	5.0 micron filter and 0.01 micron filter

MODEL NUMBER ORDERING

H R □ □ □ □ □ □ □ □

Dryer Model
- HR1
- HR2
- HR3
- HR4
- HR5
- HR6
- HR6.5
- HR7

Voltage
- 1 = 115/1/50/60
- 2 = 230/1/50/60

Performance
- 1 = Standard Conditions
  Purge orifice drilled for 100 PSIG, 100˚F, -40˚F .PDP
- 2 = Non-Standard Conditions
  Purge orifice drilled for other conditions. Consult factory for calculation of custom sized purge orifice with the following information:
  Inlet Pressure, Inlet Temperature, Inlet SCFM or Outlet SCFM, Desired Outlet Dew Point.

Options
- B = 3 Valve Bypass Piping Kit
- F = Filter kit (5 micron and 0.01 micron Prefilters, 0.5 micron Afterfilter)
- H = High Humidity Alarm Panel with local light and dry contacts (shipped loose for remote mounting)
- M = Moisture Indicator
- P = Tower Pressure Gauges
- S = Floor Stand Kit

For additional information please go to our web site @ airdryers.com

TWIN TOWER ENGINEERING

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