



Apex Series

Refrigerated Air Dryer

At the Top Air Drying is Simple.

We all have many challenges to deal with on a daily basis, we believe your refrigerated dryer shouldn't be one of them. Keeping this in mind, we consolidated all of the heat exchange functions into a single exchanger. No duplicate vessels, extra connections or gaskets - just a simple, single vessel where all operations are performed in a fully integrated, co-coordinated fashion.



GENERAL

AIR PRODUCTS

*Quality and Service
Since 1936*



1000 - 3500 SCFM Refrigerated Dryer System



Apex Refrigerated Dryers -
the simple solution to your
air drying needs.

Heat Exchanger/ Separator

The all in one, fully integrated heat exchanger with pre-cooler / re-heater, evaporator and separator in a single ASME Coded pressure vessel performs all functions. The integral stainless steel separator element is fully serviceable and replaceable.

Specifications

Model	Capacity* Flow (scfm)	Pressure Drop (psi)	Input Air kW	Input Water kW	Water gpm	Nominal HP	Refrigerant	Inlet/Outlet Connections	Dimensions (inches)			Weight (lbs)
									Depth	Width	Height	
GXS1000	1000	4.7	5.5	5.0	5.8	4	R404	3" FLG	73	24	60	1300
GXS1200	1200	4.4	6.1	5.6	6.6	4.6	R404	3" FLG	73	24	60	1320
GXS1500	1500	4.8	8.1	7.1	8.4	6	R404	4" FLG	79	28	69	1600
GXS1800	1800	5.0	10.4	9.3	11.2	8.5	R404	4" FLG	79	28	69	1750
GXS2200	2200	4.5	13.6	11.8	14.2	10	R404	4" FLG	79	28	69	1980
GXS2600	2600	4.9	18.2	15.5	18.4	13	R404	6" FLG	99	34	73	2650
GXS3500	3500	4.9	21.4	18.7	22.1	17	R404	6" FLG	99	34	73	3100

Refrigeration Circuit

The environmentally friendly (R404) circuit is a full-featured circuit built for maximum performance and control. The compressor features anti-slugging protection and a crankcase heater for maximum longevity. The circuit has a suction accumulator, high and low pressure controls, liquid receiver, filter dryer and thermostatic expansion valve for maximum performance and control.

Service Friendly

The "easy access" panels make this unit the simplest in the industry to service. When you need to check controls or clean the condenser you can simply turn the two key locks per panel and you have full access. The refrigeration circuit has taps on both low and high sides for double-checking operating pressures. The front mounted control panel is just as easy to open, a simple turn of the keys and all control operators are accessed.

*Flow (scfm) rating based on:

Inlet Pressure: 100 psig
Ambient Temperature: 100°F
Inlet Temperature: 100°F
Inlet Pressure Dew Point: 100°F
Outlet Pressure Dew Point: 33 - 39°F

Microprocessor Controls

The air dryer controller is LCD readout with additional LED indicators for compressor status, condenser fan status, hot gas valve status, drain valve status, crankcase heater status, power mode status and alarm status. The LCD readout is fully featured allowing access to inlet & outlet air temperatures, suction & discharge refrigerant temperatures, condensing temperature, ambient temperature, and hours of operation of the dryer. This information is readily accessible, through the DMC-20 controller, to give you actual operating status of the unit at any time.

Floor Space Savings

The package footprint is minimized with the single vessel, saving you precious floor space in your facility.

Correction Factors

Operating Pressure					
psig	85	100	155	200	232
factor	1.075	1.0	0.847	0.8	0.78
Ambient Temperature					
°F	90	100	110	115	
factor	0.952	1.0	1.11	1.2	
Inlet Air Temperature					
°F	90	100	110	115	
factor	0.87	1.0	1.22	1.33	

Selecting the Correct Dryer: You have a 1125 CFM compressor running at 150 psig, in an ambient of 110°F and an inlet temperature to the dryer of 115°F
Correct Flow: 1125 cfm x 0.847 x 1.11 x 1.33 = 1407 CFM
Apex Model GXS 1500 should be chosen.

Buy from your local distributor



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visit us on the web at

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