



Refrigerated Air Drying Technologies

DHC Series

ES Series

Pyramid Series



SPX Air Treatment

The Deltech Commitment

Since 1961, Deltech has delivered technologies that efficiently remove liquid, gaseous and solid contaminants from compressed air systems. Properly treated compressed air increases profitability by maximizing productivity and minimizing downtime. Maintenance costs are slashed as improved air quality extends service intervals on pneumatically powered systems. Process cleanliness is ensured thus reducing product waste from contaminated air.

ISO 8573.1 Air Quality Standards

Class	Solid Particles, (d μm)			Pressure Dew Point		Oil, Aerosol, Liquid Vapor	
	0.10 < d ≤ 0.5	0.5 < d ≤ 1.0	1.0 < d ≤ 5.0	°C	°F	mg/m ³	ppm w/w
0	As Specified			As Specified		As Specified	
1	100	1	0	≤ -70	-94	≤ 0.01	0.008
2	100,000	1,000	10	≤ -40	-40	≤ 0.1	0.08
3	-	10,000	500	≤ -20	-4	≤ 1	0.8
4	-	-	1,000	≤ +3	38	≤ 5	4
5	-	-	20,000	≤ +7	45	> 5	> 4
6				≤ +10	50		
Liquid Water g/m ³							
7				C _w ≤ 0.5			
8				0.5 < C _w ≤ 5			
9				5 < C _w ≤ 10			

Per ISO 8573-1: 2001(E)

Today, the spirit of innovative excellence is alive and well at Deltech. Our engineers monitor the technological advancements of industry to recognize trend-setting advantages. Many “firsts” have been accredited to Deltech. We are proud to be the first U.S. manufacturer in the industry to have its entire product line registered under ISO 9001. Dedication to constantly challenging the status quo delivers the assurance that you will benefit from the most advanced, energy efficient products available today.

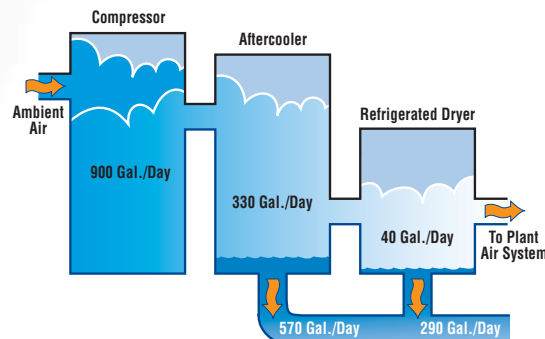
When to invest in Deltech Refrigerated Drying Technology

Liquid water in a compressed air stream increases the cost of operation. It contributes to unnecessary product rejects and countless hours of unscheduled maintenance. Air tool lubricant gets washed away creating unnecessary wear. Highly acidic, this condensed water eats away at air motors and valves and, contaminates finished goods.

Invest in the correct drying technology for an application and the compressed air lines stay dry. Dry air will also pay dividends for years to come. Refrigerated dryers deliver 33°F to 39°F dew point to provide the best value with low initial cost and low cost of operation. They are the best choice when the ambient temperature where the compressed air is used will remain higher than the pressure dew point. A 33°F to 39°F dew point is ideal for most indoor areas where people comfort is maintained.

How Much Condensate Can There be?

At an ambient of 75°F and 75% relative humidity, a typical 1,000 HP (5,000 scfm) air compressor inhales 900 gallons of water vapor every 24 hours. Discharging air at 100°F and 100 psig, a well-maintained aftercooler may remove about 570 gallons. That leaves you with 330 gallons left inside your air system. At the CAGI ADF100 standard of 38°F pressure dew point (ISO 8573.1 Class 4), a refrigerated dryer removes an additional 290 gallons. The remaining 40 gallons safely pass through the system as water vapor



Deltech... Delivering Technology with High-Capacity Refrigerated Dryers

Select from 3 distinctly different Deltech open-frame, high-capacity style refrigerated dryers. Each is custom crafted to best meet your unique compressed air treatment applications. All Deltech dryers incorporate these same quality features as standard:

- Environmentally friendly "NO CFC" refrigerants and, dependable non-hermetic refrigeration compressors for long life
- Fully automatic refrigeration circuit controls for the lowest possible dew point under all rated design conditions - without freeze-ups
- Automatic drain valves for fast, reliable condensate removal
- Easy-access, tube-in-shell heat exchangers, wrapped in heavy thermal insulation, and mounted on a rugged structural steel platform, coated with durable epoxy paint

DHC Series - Non-cycling dryers - 4,000 thru 20,000 scfm

DHC Series "High-Capacity" dryers deliver dry compressed air through a combination of economy and performance. Traditional non-cycling refrigeration systems and 3 micron rated filtration are packaged in a compact design. DHC Series dryers feature:

- Continuous-duty refrigeration systems reliably deliver 38°F dew points
- Integral head-unloaders save energy during times of reduced air demand
- Integral moisture separator with demister filter elements remove contaminants to 3 micron

ES Series - Cycling Dryers - 2,500 thru 12,000 scfm

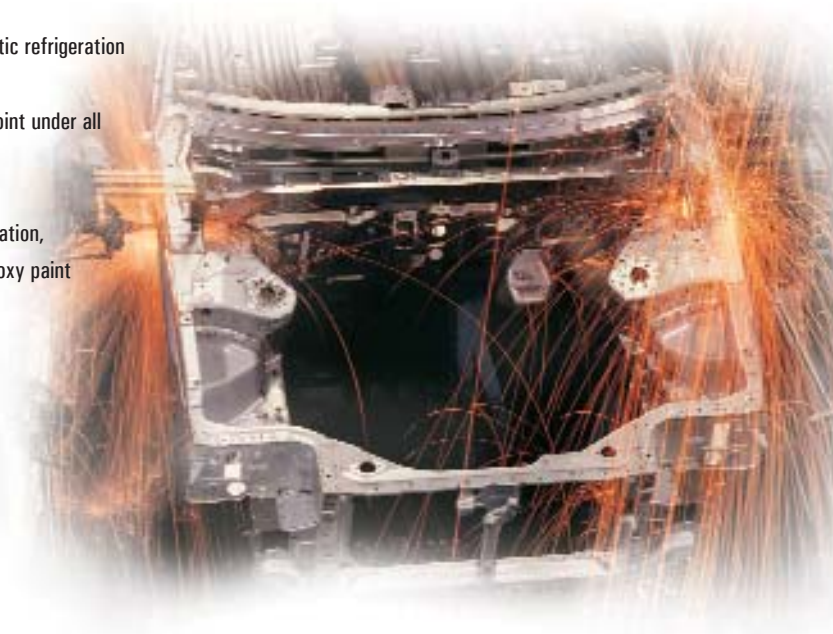
ES Series "Energy Saver" cycling dryers use a simple refrigeration system to chill a thermal storage fluid that possesses exceptional heat transfer characteristics. Much like your refrigerator at home, the refrigeration compressor automatically starts-and-stops as needed. This delivers 33°F -39°F dew point control while using the absolute minimum amount of electricity. ES Series dryers feature:

- Energy efficient cycling operation matches energy costs to actual plant air demands
- Text display delivers Percentage-of-Energy savings, Process Control Temperature, Preset or Adjustable Dew Point value, and more
- Auto-restart logic circuit calculates and displays "minutes-to-restart" text while compressor warms-up to prevent damage from liquid slugging

PYRAMID Series Air Treatment Stations - Non-cycling dryers - 4,000 thru 12,000 scfm

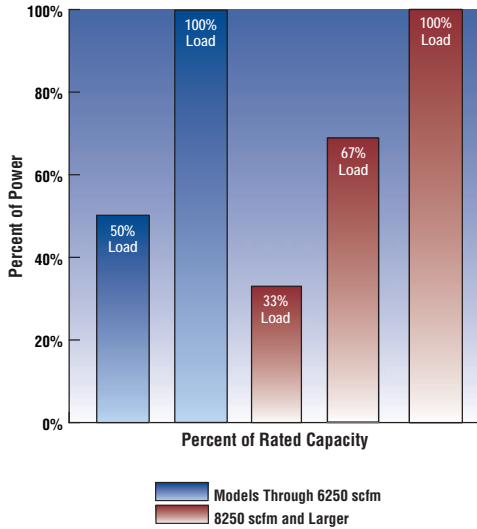
PYRAMID Series dryers deliver exceptionally clean, dry compressed air while minimizing pressure loss. By integrating our legendary 810 Series filter into the coldest point of the air stream, pressure loss is kept to a minimum as we extract the maximum amount of liquid water, dirt and, lubricant. The polished air stream you receive contains virtually no condensable or liquid hydrocarbons. PYRAMID Series dryers feature:

- Integral head-unloaders save energy during times of reduced air demand
- 810 Series filter delivers the cleanest, driest compressed air from a single package
- Integral design eliminates added filtration to simplify piping installations



DHC Series - Non-Cycling Dryers — 4,000 thru 20,000 scfm

Controlled Compression Energy Savings Vs. Load



Performance, Economy and Value

PNC Series refrigerated air dryers deliver economical operation and competitive pricing through traditional non-cycling technology. Continuous-duty operations, are ideal candidates for these precision engineered dryers.

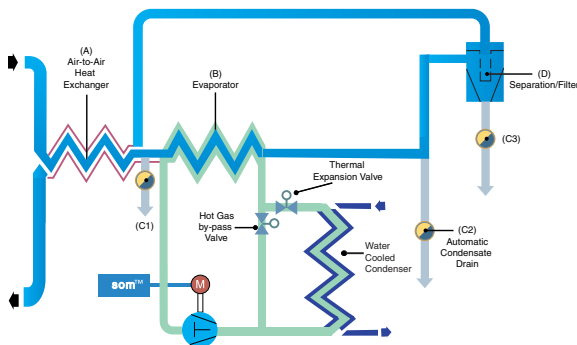
Simplicity and dependability provide large volume compressed air users with maximum value in terms of initial purchase price and cost of operation. Environmentally friendly refrigerants deliver consistent 38°F pressure dew point performance to protect your critical, pneumatically powered operations.

Controlled Compression Ratio Advantage

The cold energy is harnessed through a combination of carefully selected components and the compressor runs continuously. Energy saving unloaders control the compression ratio inside the cylinders to adapt to air demand. Energy savings of up to 67% result under part load conditions. State-of-the-art logic controls manage the process.

How it Works

Refrigerant is compressed and circulated through the refrigeration system. Evaporator temperature sensors control the operation of a dependable Hot Gas Bypass Valve (HGBV) and a Thermal Expansion Valve (TEV) to deliver stable dew points. In conjunction with capacity unloaders on the compressor, fully automatic and energy efficient operation is achieved. Potential for freeze-ups are eliminated.



Saturated incoming compressed air is quickly chilled in the air-to-air heat exchanger (A) by the cold compressed air as it exits the evaporator (B). Here, the cold, dry air is reheated to prevent pipeline sweating and reduce compressor energy before exiting the dryer. Next, automatic drain (C1) removes the condensate. In the evaporator, the air temperature is reduced to that of the cold refrigerant, where a second automatic drain (C2) removes moisture. A separator/filter lowers the velocity, mechanically separates the condensate from the air stream, and captures the particulate matter. A third automatic drain (C3) removes the condensate. The air-to-air heat exchanger re-heats the air and clean, dry compressed air exits the dryer.

System Operation Monitor (SOM)

The SOM control panel measures and displays critical air and refrigerant temperatures, signals operating conditions which may affect performance, and enables panel adjustment of the automatic drain valve.

System Operation Monitor delivers:

- Alphanumeric backlit LCD text display and Operating Status LEDs.
- Membrane touch-panel with selectable text display for critical air and refrigerant temperatures
- System circuit diagram with advisory LEDs for temperature normalities



DHC Series - Product Features —

Central Controls

Inlet/Outlet Air Pressure Gauges & Easily Accessible Refrigeration Circuit Controls

Automatic Energy Savings

Continuous-duty, semi-hermetic compressors include energy saving capacity unloaders

Integral Contaminant Removal as Standard

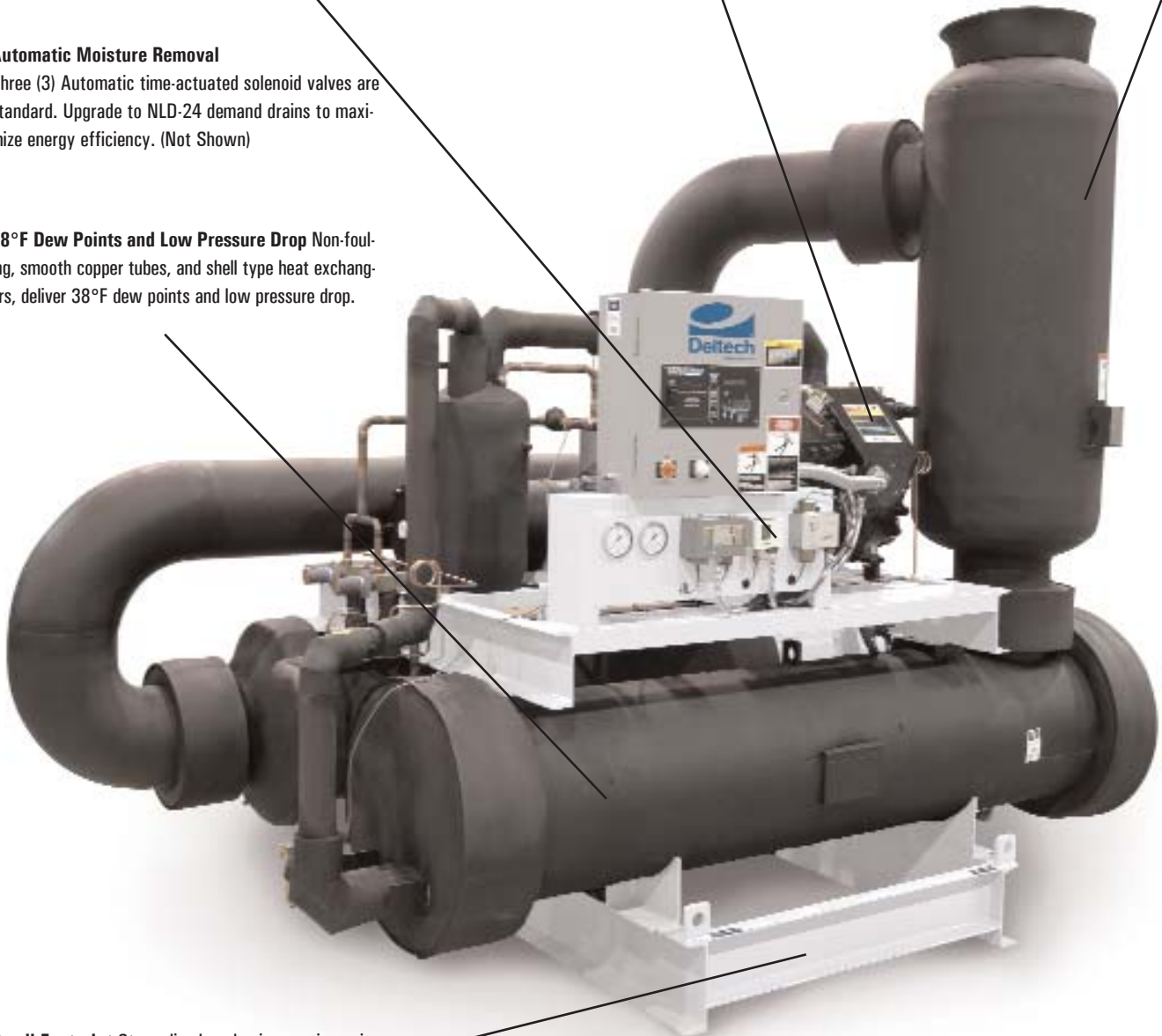
Two-stage separator features demister filter elements designed to remove 99+ % of condensed moisture, solids to 3 micron

Automatic Moisture Removal

Three (3) Automatic time-actuated solenoid valves are standard. Upgrade to NLD-24 demand drains to maximize energy efficiency. (Not Shown)

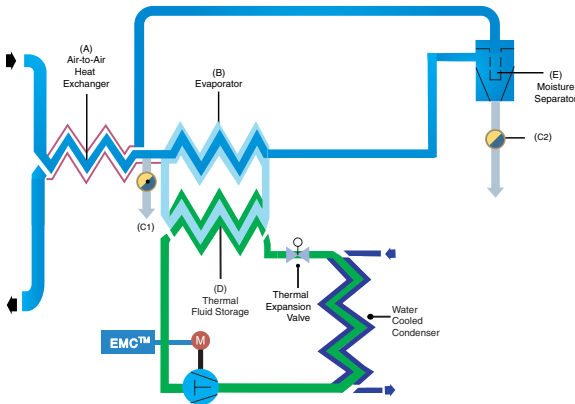
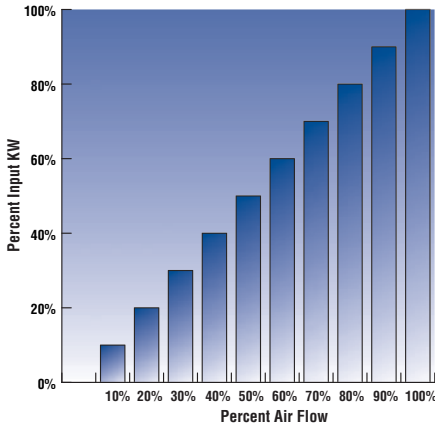
38°F Dew Points and Low Pressure Drop Non-fouling, smooth copper tubes, and shell type heat exchangers, deliver 38°F dew points and low pressure drop.

Small Footprint Streamlined packaging requires minimal floor space



ES Series - Cycling Dryers — 2,500 thru 12,000 scfm

Thermal Fluid Storage Energy Savings



Performance, Energy Savings, Returns-on-Investment

Deltech energy saving "cycling" type refrigerated dryers leverage technology that has served generations of compressed air users. Energy savings mirror plant air demands to maintain a 33°F - 39°F range of dew point integrity.

High-capacity, ES Series "Energy Saving Refrigerated" cycling dryers, proudly carry on the Deltech tradition of delivering reliability, consistent dew point control and, clean, dry compressed air. Pay the absolute minimum for electricity to realize fast returns-on-investment.

Thermal Fluid Storage System Advantage

High Capacity ES Series dryers use a Thermal Fluid Storage system to save energy. Cold energy is stored and released as needed to offer tremendous energy savings under part-load conditions. Operational simplicity is similar to your home refrigerator. The refrigeration compressor is turned "on" and "off" (cycled), to match the actual air demand in your facility. Savings on electricity are provided in linear proportion to air demands.

How it Works

Environmentally friendly NO CFC refrigerant is compressed and circulated through the refrigeration system. Cold liquid energy is transferred from the refrigerant to the thermal fluid in the Thermal Fluid Storage heat exchanger. Here, the large volume of thermal fluid is prepared and controlled. Temperature sensing thermocouple outputs are used to turn the refrigeration compressor on or off to maintain a 1°F hysteresis. A small pump circulates the cold thermal fluid in a loop.

Saturated incoming compressed air is quickly chilled in the air-to-air heat exchanger (A) by the cold compressed air as it exits the evaporator (B). Here, the cold, dry air is reheated to prevent pipeline sweating and reduce compressor energy before exiting the dryer. Next, an automatic drain (C1) removes the condensate. In the evaporator, the air temperature is reduced to that of the cold thermal fluid delivered from thermal fluid storage (D). Finally, moisture separator (E) lowers the velocity and mechanically separates the condensate from the air stream. A second automatic drain (C2) removes the condensate. The air-to-air heat exchanger re-heats the air and clean, dry compressed air exits the dryer.

Energy Management Controller (EMC)

The EMC delivers a wealth of control and system monitoring capabilities. EMC can inform you of system operating status, reinforce your decision to purchase an ES Series dryer with actual energy savings displayed or, even advise you of trouble with warnings/alarms.

EMC features include:

- Power-off timer (counts and displays the seconds without power)
- Auto restart/Warm up timer (energizes crankcase heater then, calculates and displays minutes-until-restart once power is restored)
- Cumulative run-time/compressor-on time recording (includes cumulative time reset function to help track maintenance intervals)



ES Series - Product Features —

Consistent Dew Points

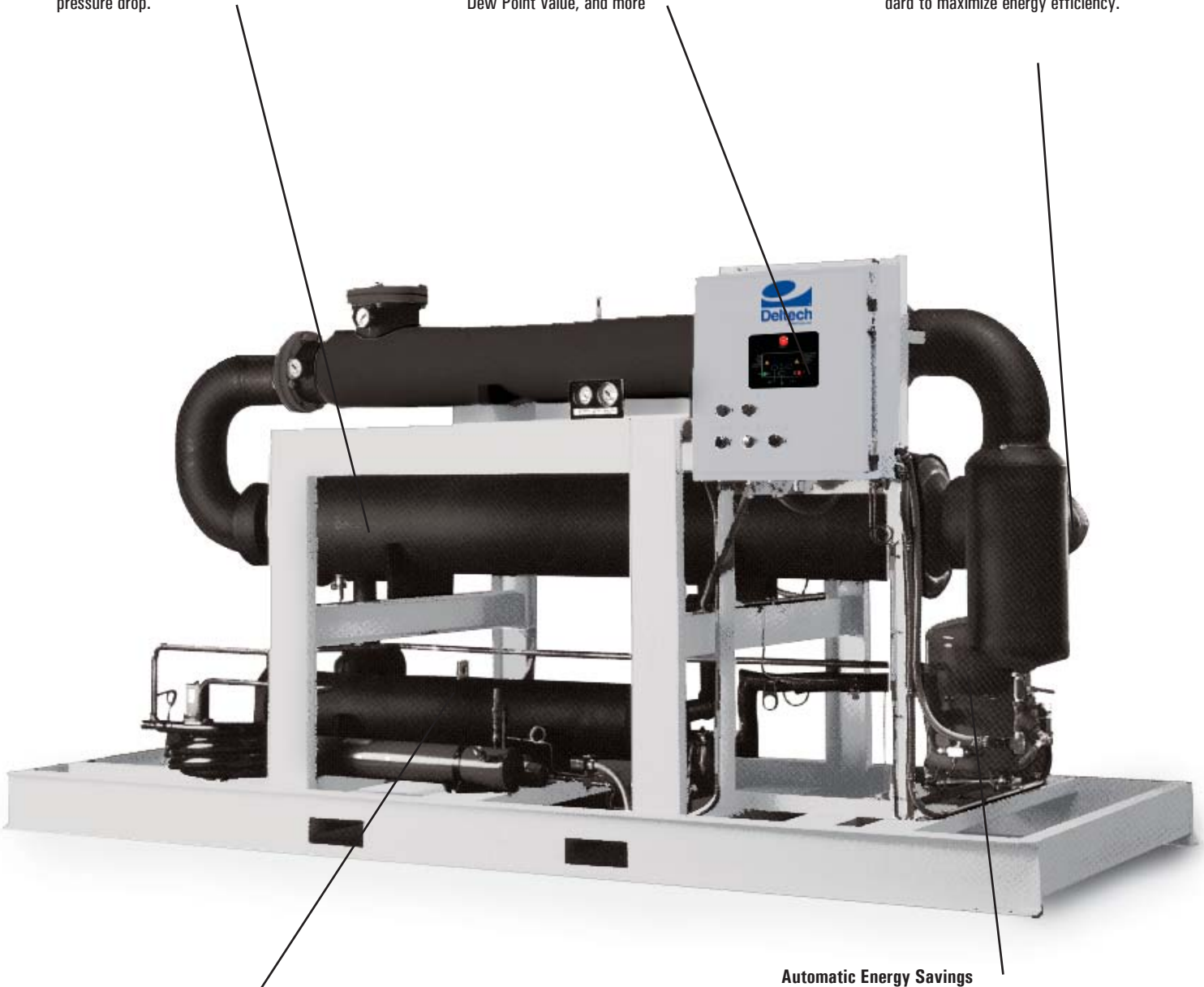
Non-fouling, smooth copper tubes, and shell type heat exchangers, deliver 33°F - 39°F dew points and low pressure drop.

Energy Saving EMC Controller

Text display delivers Percentage-of-Energy savings, Process Control Temperature, Preset or Adjustable Dew Point value, and more

Superior Moisture Removal

Mechanical separator designed to remove 99+ % of condensed moisture. NLD-24 demand drains are standard to maximize energy efficiency.



Thermal Fluid Storage

Cold energy is stored and released as needed to save energy

Automatic Energy Savings

Compressor uses no energy once optimal thermal fluid storage system temperature is achieved

PYRAMID Series Air Treatment Stations – 4,000 thru 12,000 scfm

High capacity, Deltech PYRAMID Series dryers incorporate our premium 810 Series filtration to deliver 38°F dew points and superior air cleanliness. Each delivers clean, dry compressed air, while extracting particulates (to 0.01 micron,) water and lubricant aerosols (to 0.001 ppm). Total package pressure drop is 4-7 psi.

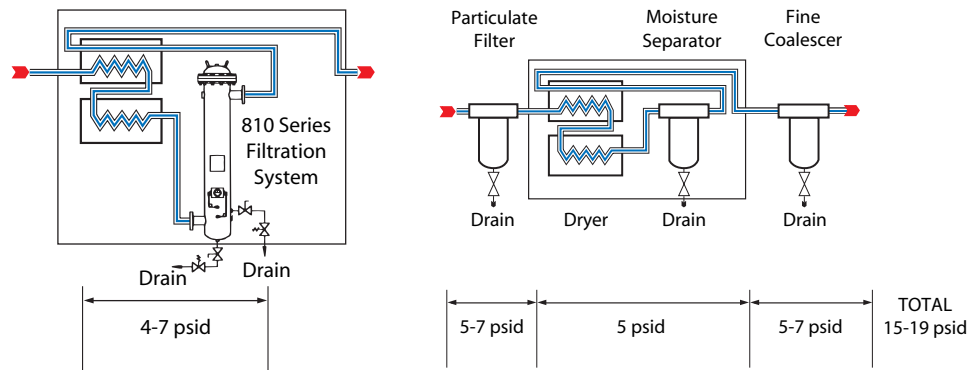
PYRAMID Series Air Treatment Stations deliver:

- Cleaner air - Virtually all condensable hydrocarbons have been removed
- Lower electric bills - Reduce system pressure to save up to 5% in air compressor energy
- More floor space - "all-in-one" design reduces system size and complexity

Compare the PYRAMID Series' Advantages

Low Pressure Drop

In addition to high-quality compressed air, PYRAMID Series users benefit from reduced operating costs due to the 810 Series Filter System as depicted in the following illustration. It is not uncommon to realize 6.5% compressor energy savings when system pressure is reduced by 13 psi.



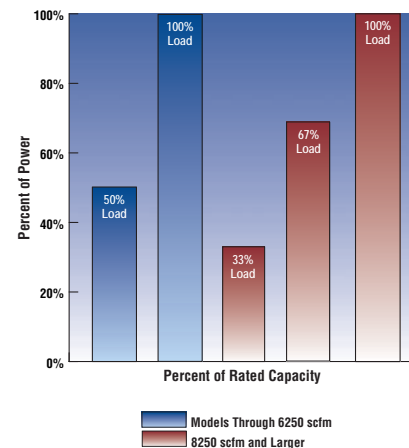
Controlled Compression

Energy saving unloaders control the compression ratio inside the cylinders to adapt to air demand. Energy Savings of up to 67% result under part load conditions. State-of-the-art logic controls manage the process.

Technically Oil-Free Air

PYRAMID Series targets the most efficient point within the process for maximum contaminant removal. At 35°F, the 810 Series Filtration System condenses over 23% more hydrocarbon vapors than downstream filtration at 100 F.

Controlled Compression Energy Savings Vs. Load



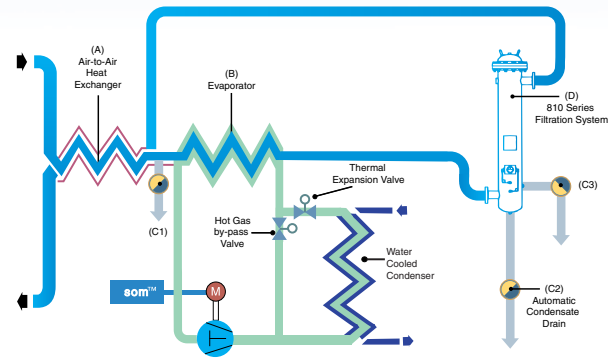
Example Comparison of Filtration Efficiency at 100°F and 35°F

Filtration Temperature	Hydrocarbon Concentration (ppm)						Actual Efficiency
	At Filter Inlet			At Filter Outlet			
	Liquid	Vapor	Total	Liquid	Vapor	Total	
100°F (38°C)	2	0.62	2.62	0.0004	0.62	0.6204	76.3%
35°F (2°C)	2.616	0.004	2.62	0.00052	0.004	0.00452	99.8%

How it Works

Refrigerant is compressed and circulated through the refrigeration system. Evaporator temperature sensors control the operation of a dependable Hot Gas Bypass Valve (HGBV) and a Thermal Expansion Valve (TEV) to deliver stable dew points. In conjunction with capacity unloaders on the compressor, fully automatic and energy efficient operation is achieved. Potential for freeze-ups are eliminated.

Saturated incoming compressed air is quickly chilled in the air-to-air heat exchanger (A) by the cold compressed air as it exits the evaporator (B). Here, the cold, dry air is reheated to prevent pipeline sweating and reduce compressor energy before exiting the dryer. Next, automatic drain (C1) removes the condensate. In the evaporator, the air temperature is reduced to that of the cold refrigerant. Upon entering the 810 Series Filter, the internal moisture separator uses a dedicated automatic drain (C2) to remove moisture. High Efficiency Filtration captures particulate as media coalesces oil where it is removed by a dedicated automatic drain (C3). The air-to-air heat exchanger re-heats the air and clean, dry compressed air exits the dryer.



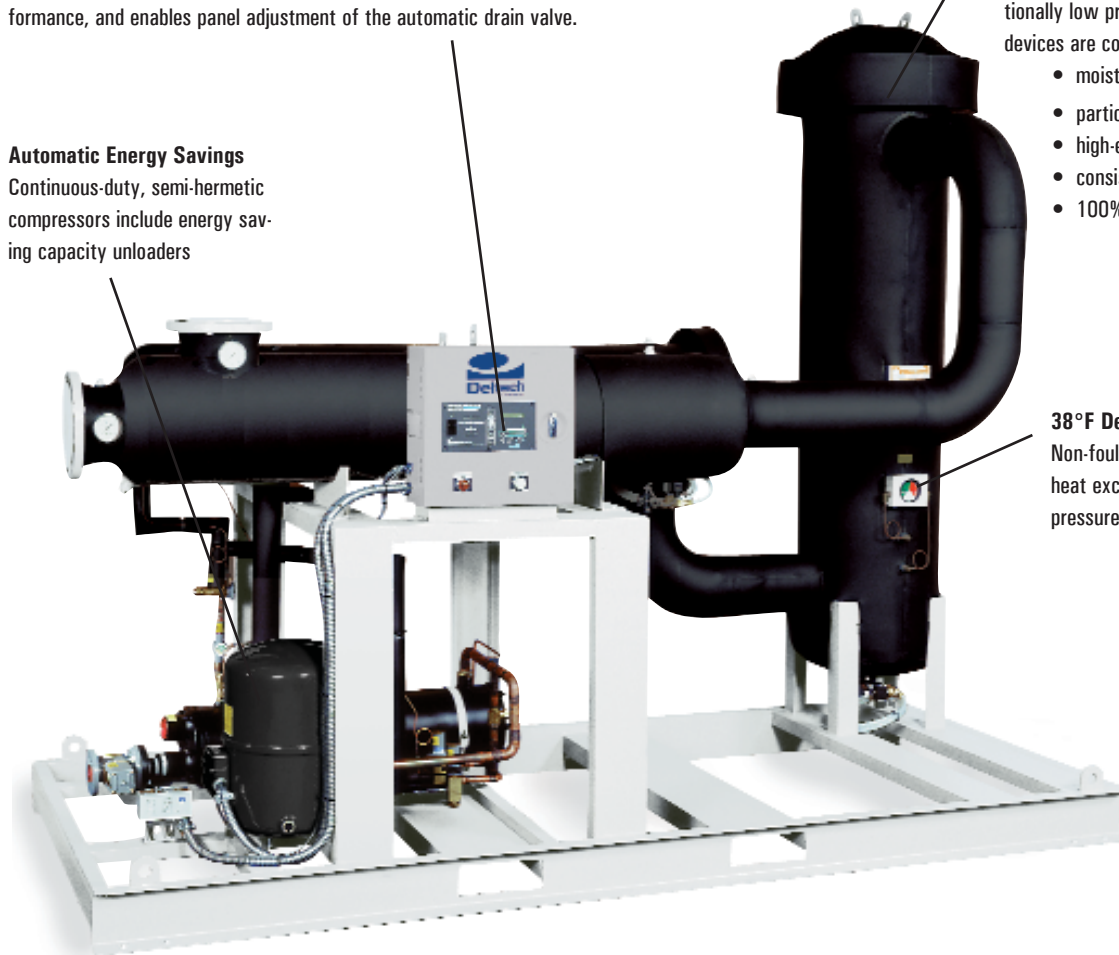
PYRAMID Series - Product Features —

System Operation Monitor (SOM)

The SOM control panel measures and displays critical air and refrigerant temperatures, signals operating conditions which may affect performance, and enables panel adjustment of the automatic drain valve.

Automatic Energy Savings

Continuous-duty, semi-hermetic compressors include energy saving capacity unloaders



810 Series Filtration System:

Legendary purification only engineered into PYRAMID Series high-capacity air dryers. Long admired for: exceptionally low pressure drop, the functions 3 separate devices are combined into one efficient housing

- moisture separator
- particulate filter
- high-efficiency cold-coalescing oil removal filter
- consistent performance from 0%
- 100% of full rated flow

38°F Dew Points and Low Pressure Drop

Non-fouling, smooth copper tubes, and shell type heat exchangers, deliver 38°F dew points and low pressure drop.

Automatic Moisture Removal

Three (3) Automatic time-actuated solenoid valves are standard. Upgrade to NLD-24 demand drains to maximize energy efficiency. (Not Shown)

DHC 4000–DHC 20000 Product Features

			"System Operation Monitor" Control Panel					Integral Filtration			Refrigeration Control Valves		Refrigerant	
On & Off Switch	Power on LED	Dew Point Temp. Indicator	Backlit LCD	Normal Operation	Check Operating Conditions	Service is Due	System Alarm LED w/ Remote Dry Alarm Contacts	Integral Filtration Removes Dirt, Water & Lubricant	Time Adjustable	NLD-24 No-Air-Loss Demand Drains	Temp. Indicator	Hot Gas Bypass	Thermal Expansion	CFC-Free
			Alphanumeric Text Window	LED	LED	LED	S	S	S	S		S	S	
S	S	S	S	S	S	S	S	S	S	0	S	S	S	S
S = Standard			O = Option											

DHC 4000–DHC 20000 Product Specifications

Model Number ³	Capacity ¹		Compressor (hp) 38°F pressure dew point	Input Power ² kW	Required Cooling Water Flow @ 85°F (gpm)	Water Conn In/Out FLG/NPT	Dimensions ⁴						Inlet/Outlet 150# Flange	Approx Shipping Weight ⁵		
	scfm	Nm3/min					H		W		L			inches	lbs	kg
							in	cm	in	cm	in	cm				
DHC4000	4,000	113.3	20	13.9	41.9	1½	85	208	94	231	63	155	8	5,200	2,359	
DHC5000	5,000	141.6	22	16.4	53.5	1½	90	221	107	263	63	155	8	6,000	2,722	
DHC6250	6,250	146.7	30	22.5	66.9	2	98	239	142	347	63	155	8	7,000	3,175	
DHC8250	8,250	233.6	35	28.9	85.6	2½	102	250	143	350	73	178	10	8,100	3,674	
DHC10000	10,000	283.2	50	39.6	121.6	2½	110	270	149	365	76	187	10	9,300	4,218	
DHC12000	12,000	339.8	60	49.6	146.8	2½	110	270	166	408	76	187	12	9,500	4,309	
DHC15000	15,000	424.8	70	57.6	205.3	Consult Factory										
DHC20000	20,000	566.3	80	54.6	204.5											

¹ Rated Flow Capacity - Conditions for rating dryers are in accordance with CAGI (Compressed Air and Gas Institute) Standard ADF100 working conditions: inlet air at 100 psig (7 bar) and 100°F (38°C) saturated, ambient air at 100°F (38°C), cooling water at 85°F (29°C), operating on 60Hz power supply. At rated conditions, outlet pressure dew points is 38°F (3°C).

² At 35°F (2°C) evaporator and 100°F (38°C) ambient

³ R404a refrigerant standard

⁴ Dimensions and weights are for reference only. Request certified drawings for construction purposes.

⁵ Weight shown is approximate for 38°F dew point water-cooled models only

Operating Conditions Models DHC 4000–DHC 20000

DHC Models	max. inlet air pressure	min. inlet air pressure	max. inlet air temp.	min. inlet air temp.	max. water pressure	min. water pressure	Nominal water temp.
	4000-20000	175-200 psig	30 psig	120°F	40°F	150 psig	35 psig

Capacity correction factors

NOTE: The Maximum Inlet Air Pressure (M.I.A.P.) can vary within any Series. Please refer to the appropriate M.I.A.P. prior to using the following correction factor tables when re-sizing a given model.

To adjust dryer capacity for conditions other than rated, use Correction Factors (multipliers) from Tables 1 and 2.

Example: What is the capacity of a 6,250 scfm model when the compressed air at the inlet to the dryer is at 150 psig and 100°F (38°C)?
The max cooling water temperature is 85°F (29.4°C) and a 50°F (10°C) dew point is desired.

Answer: 6,250 scfm (rated flow from Specifications Table) x 1.13 (correction factor for inlet temperature and pressure from Table 1) x 1.3 (correction factor for dew point from Table 2) = 9181 scfm.

Table 1 - Correction Factors (multipliers) for Inlet Air Temperature and Pressure

Inlet Pressure (psig)	Inlet Temperature				
	80°F (27°C)	90°F (32°C)	100°F (38°C)	110°F (43°C)	120°F (49°C)
50	1.35	1.05	0.84	0.69	0.56
80	1.50	1.17	0.95	0.79	0.66
100	1.55	1.23	1.00	0.82	0.70
125	1.63	1.31	1.07	0.91	0.74
150	1.70	1.37	1.13	0.95	0.80

Table 2 - Correction Factors for Dew Point Temperatures

Dew Point Temperature	38°F (30°C)	45°F (70°C)	50°F (100°C)
Multiplier	1.0	1.2	1.3

Features & Specifications

ES Series - Product Features

Operational Status LEDs					Digital Alphanumeric LCD Text Display & Item Selected LED				Drain	Refrigerant
On & Off Membrane switches	Power on LED	Automatic Restart After Power Loss LED	Fahrenheit & Celsius Temp. LEDs	High & Low Temp. LEDs	Process Control	Preset Dew Point Temp. Selected	Adjustable Dew Point Selected	Percent of Energy Savings	NLD-24 No-Air-Loss Demand Drains	CFC-Free
S	S	S	S	S	S	S	S	S	S	S
S=Standard O=Option										

ES Series Product Specifications

Model Number ³	Capacity ¹		Compressor (hp) 38°F pressure dew point	Average Power ²	Required Cooling Water Flow @ 85°F (gpm)	Water Conn In/Out FLG/NPT	Dimensions ⁴						Inlet/Outlet 150# Flange	Approx Shipping Weight ⁵	
	scfm	Nm ³ /min	hp	kW		inches	H		W		L		inches	lbs	kg
ES2500	2,500	71	12	8.3	24.0	1	72	183	60	152	149	378	8	12,400	5,637
ES3250	3,250	92	15	13.7	34.7	1¼	74	188	60	152	121	307	8	15,150	6,886
ES4000	4,000	113	20	11.8	36.0	1½	79	201	60	152	125	318	8	10,100	4,591
ES5000	5,000	142	22	14.2	44.2	1¾	79	201	60	152	154	391	8	12,400	5,637
ES6250	6,250	180	30	19.2	53.6	2	90	229	66	168	160	406	8	15,150	6,886
ES8250	8,250	234	35	24.4	71.4	2½	95	241	68	173	160	406	8	16,000	7,273
ES10000	10,000	283	50	33.5	98.6	2½	106	269	77	196	172	437	10	23,000	10,455
ES12000	12,000	340	60	41.5	118.5	2½	111	282	81	206	196	498	12	28,800	13,091
ES15000	15,000	424.8	70	48.5											
ES20000	20,000	566.3	80	46.1											

¹ Rated Flow Capacity - Conditions for rating dryers are in accordance with CAGI (Compressed Air and Gas Institute) Standard ADF100 working conditions: inlet air at 100 psig (7 bar) and 100°F (38°C) saturated, ambient air at 100°F (38°C), cooling water at 85°F (29°C), operating on 60Hz power supply. At rated conditions, outlet pressure dew points is 38°F (3°C).

² At 35°F (2°C) evaporator and 100°F (38°C) ambient

³ R22 refrigerant standard

⁴ Dimensions and weights are for reference only. Request certified drawings for construction purposes.

⁵ Weight shown is approximate for 38°F dew point water-cooled models only

Operating Conditions Models ES 2500-ES 20000

ES Models	max. inlet air pressure	min. inlet air pressure	max. inlet air temp.	min. inlet air temp.	max. water pressure	min. water pressure	Nominal water temp.
2500-20000	150 psig	30 psig	120°F	40°F	150 psig	35 psig	85°F

Pyramid Series - Product Features

			"System Operation Monitor" Control Panel					Integral Filtration				Refrigeration Control Valves		Refrigerant
On & Off Switch	Power on LED	Dew Point Temp. Indicator	Backlit LCD Alphanumeric Text Window	Normal Operation LED	Check Operating Conditions LED	Service is Due LED	System Alarm LED w/ Remote Dry Alarm Contacts	Integral Filtration Removes Dirt, Water & Lubricant	Time Adjustable Condensate Drain Valves	NLD-24 No-Air-Loss Demand Drains	Temp. Indicator	Hot Gas Bypass	Thermal Expansion	CFC-Free
S	S	S	S	S	S	S	S	S	S	O	S	S	S	S
S=Standard O=Option														

Pyramid Series Product Specifications

Model ²	Flow Capacity ¹	Voltage (V/Ph/Hz)	Compressor hp	Input power (kW)	Dimensions inches(cm)			In-Out Connections Inches	Approx. Ship Wt. lbs. kg.
	scfm(Nm ³ /min)				H	W	L		
P4010	4000(113)	460-3-60	20	13.9	CF	CF	CF	8 FLG	CF
P5010	5000(142)	460-3-60	22	16.4	CF	CF	CF	8 FLG	CF
P6260	6250(177)	460-3-60	30	22.5	CF	CF	CF	8 FLG	CF
P8260	8250(234)	460-3-60	35	28.9	CF	CF	CF	8 FLG	CF
P10010	10000(283)	460-3-60	50	39.6	CF	CF	CF	10 FLG	CF
P12010	12000(340)	460-3-60	60	49.6	CF	CF	CF	12 FLG	CF

¹ Performance data obtained in accordance with CAGI Standard No. ADF 100, Refrigerated Compressed Air Dryer - Methods for Testing & Rating. Rating conditions are 100°F (37.8°C) inlet temperature, 100 psig (6.9 bar) inlet pressure, 100% relative humidity, 100°F (37.8°C) ambient temperature. Capacity applies to 60 cycle dryer, capacity reduced 17% for 50 cycle.

² R22 refrigerant standard

Operating Conditions Models Pyramid 4010-12010

Pyramid Models	max. inlet air pressure	min. inlet air pressure	max. inlet air temp.	min. inlet air temp.	max. water pressure	min. water pressure	Nominal water temp.
4010-6260	200 psig	30 psig	120°F	40°F	150 psig	35 psig	85°F
8260	175 psig	30 psig	120°F	40°F	150 psig	35 psig	85°F
10010-12010	150 psig	30 psig	120°F	40°F	150 psig	35 psig	85°F

Canonsburg, Pennsylvania

Excellence in Customer Support, and Research and Development Leadership



Deltech Customer Service and Technical Support functions are supported from SPX Air Treatment's Canonsburg Facility. In concert with our dedicated network of Authorized Deltech

Distributors, our staff of factory trained professionals are prepared to meet your needs.

Our Research & Development team continues to set the standard for compressed air treatment. Our dedicated staff of certified engineers and laboratory technicians utilize cutting-edge technology in our state-of-the-art testing facilities. Today's advancements become tomorrow's compressed air treatment solutions at SPX Air Treatment.

Newport, North Carolina

World Class Producer of Refrigerated Dryers and Filtration products



Deltech cabinet-style refrigerated air dryers are delivered from SPX Air Treatment's Newport Facility. Every year, Newport delivers 36,000 refrigerated air dryers from a state-of-the-art facility that far exceeds the quality requirements for ISO 9001 certification. Consistent quality delivers product excellence to eliminate wet problematic compressed air around the globe.

With 130,000 square feet (12,077 m²) of manufacturing and warehousing dedicated to high quality refrigerated dryers and coalescing filters, Newport is the largest refrigerated air dryer factory in the world.

Deltech Filtration products are produced and inventoried at Newport. Several hundred thousand multi-stage coalescing filters and filter elements are shipped every year. Count on quality Deltech Filters to protect your processes and products as they remove harmful contaminants from your compressed air stream.

Ocala, Florida

The Technology Center for Desiccant Dryers



Deltech desiccant drying technologies are delivered from SPX Air Treatment's Ocala Facility. Every year, Ocala delivers thousands of standard and custom-engineered low dew point control systems for a variety of gases. This state-of-the-art facility far exceeds the quality requirements for ISO 9001 certification.

Heatless pressure-swing, heat of compression, internally heated, and vacuum and steam heated blower purge dryers are examples of the many custom technologies available. With 175,000 square feet (16,300 m²) of manufacturing and warehousing dedicated to delivering engineered desiccant products and coalescing filters, Ocala is the largest desiccant technologies factory in the world.

SPX DELTECH

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Improvements and research are continuous at SPX Deltech.
Specifications may change without notice.

Bulletin DOF-5500-NA-1