

ARROW PNEUMATICS

REGENERATIVE

DRYERS

CATALOG

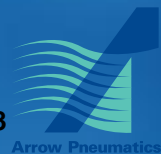
FILTERS

REGULATORS

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ACCESSORIES

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HEATLESS REGENERATIVE DRYERS

Twin tower regenerative air dryers are the dryers of choice when traditional refrigerated dryers do not provide sufficient air quality required for today's applications. Arrow's reliable "RH" series of heatless twin tower regenerative dryers normally produce -40°F and can optionally be as low as -100°F dew points. The dryer utilizes activated alumina for efficient drying of compressed air and will operate under extreme environmental conditions. Activated alumina is aluminum oxide that is highly porous and exhibits tremendous surface area (350 sq. meters/gram). Activated alumina is resistant to thermal shock and abrasion. It has a smooth, uniform ball size that prevents channeling of the air flow, which maintains low bed velocities. This maintains air contact time for efficient moisture removal and minimal pressure drop.

Arrow's microprocessor dryer controls are housed in a NEMA 4 rated enclosure and provide control of pneumatically piloted valves chosen for long life and high air flow.

Operation

Compressed air saturated with water vapor passes through the inlet valve and flows upward through the desiccant in tower "A". Tower "A" is said to be "on line". The activated alumina desiccant adsorbs the water vapor in the compressed air and the pressure dew point is lowered to a minimum of -40°F . The dried air then passes through a check valve assembly to the outlet piping and then to the factory tools or equipment.

While the air is being dried in tower "A", the desiccant in tower "B" that adsorbed moisture in the previous cycle is simultaneously regenerated. Tower "B" is "off line". At the start of the regeneration cycle, tower "B" is depressurized from the operating pressure to atmospheric pressure with a downward air flow and passes through the purge valve and out the purge muffler. Regeneration continues with a portion of the dry air from tower "A" passing through an orifice assembly and downward through tower "B" out to atmosphere.

This process takes about ten minutes to complete, with the drying cycle using about five minutes to provide the desired dew point. The regeneration cycle takes approximately 30 seconds less to allow for repressurization before switchover. The complete operation therefore consists of two cycles, one for drying and the other for regeneration. Required purge air is generally 15% of rated flow. As pressure is a direct function of purge air, the higher the pressure, the lower the purge. All Arrow Pneumatics heatless regenerative dryers have a 2 psi maximum pressure drop at standard conditions.



Model No.	Capacity SCFM	Pipe Size Connection	Height Inches	Width Inches	Depth Inches	Weight Lbs.
RH203	35	3/4" NPT	40	44	24	360
RH204	50	3/4" NPT	40	44	24	508
RH205	75	3/4" NPT	40	44	24	599
RH206	100	1" NPT	64	44	24	627
RH207	125	1" NPT	64	44	24	657
RH208	150	1-1/2" NPT	75	49	36	739
RH209	200	1-1/2" NPT	75	49	36	797
RH210	250	1-1/2" NPT	75	49	36	855
RH211	300	2" NPT	68	51	36	918
RH212	350	2" NPT	68	51	36	1,124
RH213	400	2" NPT	86	51	36	1,187
RH214	500	2" NPT	86	51	36	1,245
RH215	650	2-1/2" NPT	97	67	36	1,905
RH216	750	2-1/2" NPT	97	67	36	2,022
RH217	900	2-1/2" NPT	97	67	36	2,197
RH218	1,100	3" FLG	97	72	36	2,500
RH219	1,300	3" FLG	97	72	36	3,350
RH220	1,500	3" FLG	122	96	60	3,775
RH221	1,800	3" FLG	122	96	60	4,550
RH222	2,100	3" FLG	122	96	60	5,725
RH223	2,500	4" FLG	122	108	60	6,500
RH224	3,000	4" FLG	122	108	60	8,500

1) Specifications and dimensions are subject to change without notice.

2) Standard design conditions are 100°F inlet, 100 psig and 100°F ambient. For other than standard design conditions or capacities up to 12,000 scfm, consult your factory representative.

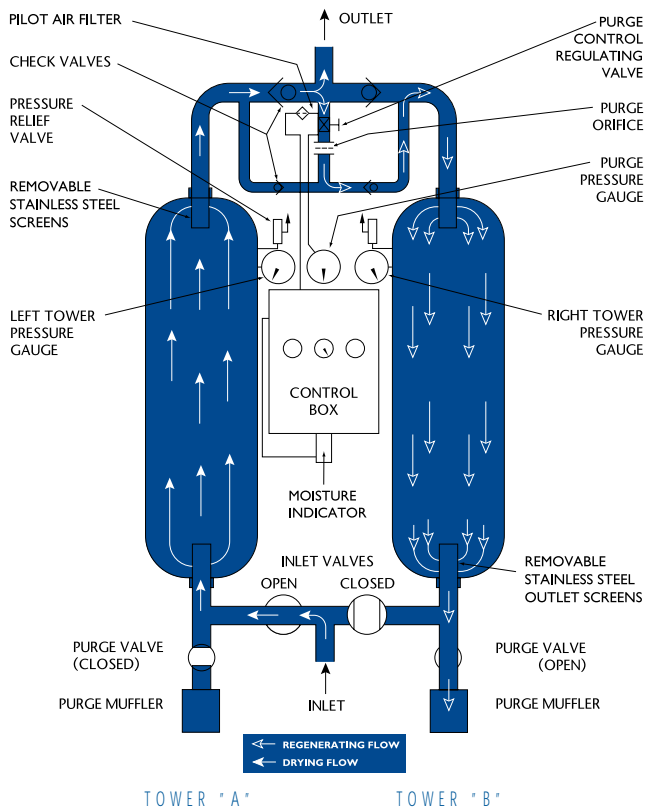
3) Standard operating pressure is 150 psig maximum.

4) Standard voltage is 120V/1ph/60Hz

5) Pre and after filters must be used with all regenerative air dryers.

6) Maximum pressure drop of 2 psi

REGENERATIVE DRYERS



Standard Features of Heatless Regenerative Dryers

Fully automatic to provide the most efficient operation.

Panel mounted gauges provide accurate monitoring of tower pressures.

Adjustable purge regulator is utilized to control purge air for optimum dryer efficiency.

Indicator lights display tower operating status.

Visual moisture indicator detects increase in dew point on outlet air flow.

Reliable pneumatic valve operation is achieved by using poppet, butterfly and check valves. All valves are non-lubricated to provide maximum dependability and maintenance free operation.

Controlled repressurization gradually increases pressure in the tower to eliminate line surges and desiccant attrition.

Removable stainless steel diffuser screens disperse air flow for maximum desiccant capacity and to allow uniform air distribution throughout the desiccant bed.

NEMA 4 electrical construction.

Universally accepted 120V/1ph/60Hz power requirements for easy connection.

Power on indicator to show dryer is energized and functioning.

Tower relief valves to prevent overpressurization.

ASME coded and stamped vessels.

Separate fill and drain ports for easy desiccant change.

Microprocessor controls provide reliable sequencing of dryer functions.

Control air line filter with replaceable element to protect pneumatic circuitry.

Exhaust purge muffler for quiet operation.

Pressure alarm package indicates failure to shift, failure to depressurize, failure to repressurize and failure to purge.

OPTIONS OF HEATLESS REGENERATIVE DRYERS

Dew Point Demand Plus	220V/1ph/60Hz
Dew Point Demand	Pre-Piped Connection with Pre and after Filters
High Humidity Alarm	Pre-Piped Filter Package with Three Valve Dryer Bypass
-100°F Pressure Dew Point	Pre-Piped Filter Package with Seven Valve Dryer Bypass
Remote Alarm Contacts	RS-232 Serial Communications Interface
Remote Alarm Dry Contacts	Total Pneumatic Controls
NEMA 7 Explosion Proof Electrical Construction	
Low Ambient Package	

See pages 8 and 9 for descriptions of optional features.

EXTERNALLY HEATED REGENERATIVE DRYERS

The Arrow Pneumatics externally heated twin tower regenerative dryers combine the high reliability of our "RH" series desiccant dryer and adds external heaters to form the "RE" series dryer. Dew points, normally -40°F , can optionally be as low as -100°F . Purge air is approximately 7% of rated flow, thus reducing the operating costs of the heated twin tower regenerative dryers compared to heatless regenerative dryers. Purge air in the "RE" series is heated by a 100% efficient incoloy sheath electric heater housed in an externally mounted shell. A thermostat controls the temperature of the heater allowing long life and energy savings. The heater and purge piping are insulated for safety and further energy savings. Arrow "RE" series heated dryers have microprocessor controls housed in a NEMA 4 rated enclosure. Pneumatically actuated valves have been chosen for long life and high air flow.

Operation

Regeneration of the "RE" series dryers is similar to the twin tower regenerative dryers in that the airflow is reversed between operation and regeneration. Compressed air saturated with water vapor passes through the inlet valve and flows downward through the desiccant in tower "A". Tower "A" is said to be "on-line". The activated alumina desiccant adsorbs water vapor in the compressed air and the pressure dew point is lowered to a minimum of -40°F . The dried air then passes through the outlet valve to the factory tools and/or equipment.

While the air is being dried in tower "A", the desiccant in tower "B" that absorbed moisture in the previous cycle is simultaneously regenerated. Tower "B" is "off line". At the start of the regeneration cycle, tower "B" is depressurized from the operating pressure to atmospheric pressure with an upward air flow which passes through the purge valve and out the purge muffler. Regeneration continues with dried purge air from tower "A" that is expanded to atmospheric pressure to lower its vapor pressure. This purge air is heated and passes through an orifice assembly and upward through tower "B" out to atmosphere. The temperature of the heater can be adjusted for better efficiencies. The combination of heated and lowered vapor pressure air allows for efficient and cost effective desiccant regeneration.

The entire process therefore consists of two cycles, one for drying and the other for regeneration. This process takes 8 hours to complete, with the drying cycle using 4 hours to provide the desired dew point, and regeneration cycle taking 4 hours: 3 hours for heating and 1 hour for cooling. As pressure is a direct function of purge air, the higher the pressure, the lower the purge. All Arrow Pneumatics externally heated regenerative dryers have a 2 psi maximum pressure drop at standard conditions.



Model No.	Capacity SCFM	Heater Power (KW)	Pipe Size Connection	Height Inches	Width Inches	Depth Inches	Weight Lbs.
RE231	50	.75	3/4" NPT	40	44	24	440
RE232	75	1.25	3/4" NPT	40	44	24	600
RE233	100	1.50	1" NPT	64	44	24	760
RE234	150	2.00	1-1/2" NPT	75	49	36	930
RE235	200	2.50	1-1/2" NPT	75	49	36	1,050
RE236	250	3.00	1-1/2" NPT	75	49	36	1,330
RE237	300	4.00	2" NPT	68	51	36	1,525
RE238	350	4.00	2" NPT	68	51	36	1,700
RE239	400	5.00	2" NPT	86	51	36	1,940
RE240	500	6.00	2" NPT	86	51	36	2,275
RE241	650	6.50	2-1/2" NPT	97	67	36	2,650
RE242	750	7.50	2-1/2" NPT	97	67	36	3,170
RE243	900	9.00	2-1/2" NPT	97	67	36	3,750
RE244	1,100	12.00	3" FLG	97	72	36	4,175
RE245	1,300	12.00	3" FLG	97	72	36	4,580
RE246	1,500	15.00	3" FLG	122	96	60	5,020
RE247	1,800	20.00	3" FLG	122	96	60	5,410
RE248	2,100	20.00	3" FLG	122	96	60	6,040
RE249	2,500	24.00	4" FLG	122	108	60	8,720
RE250	3,000	30.00	4" FLG	122	108	60	9,880

- 1) Specifications and dimensions** are subject to change without notice.
- 2) Standard design conditions** are 100°F inlet, 100 psig and 100°F ambient. For other than standard design conditions or capacities up to 12,000 scfm, consult your factory representative.

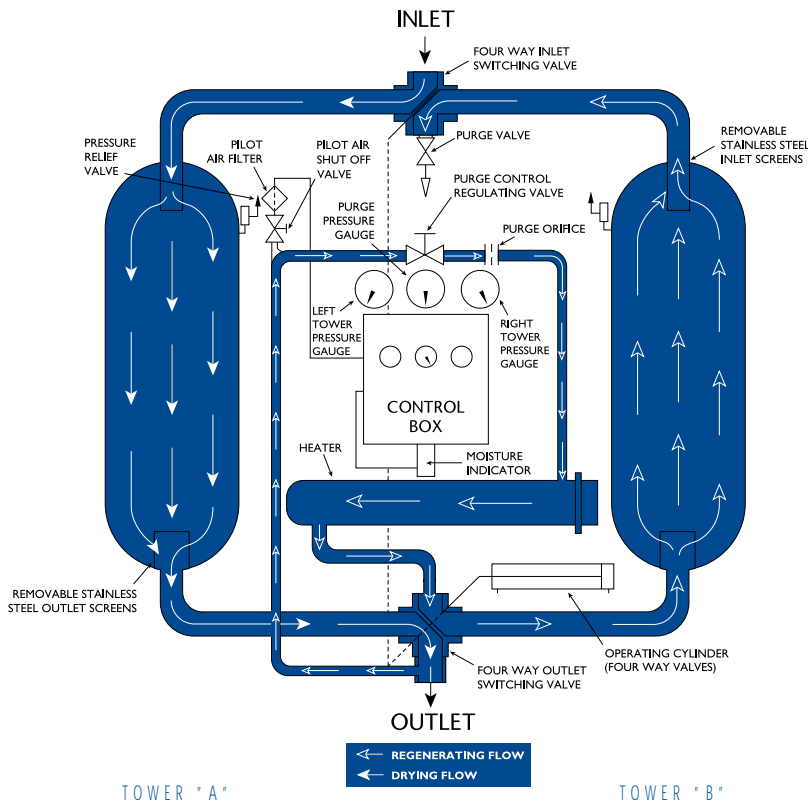
3) Standard operating pressure is 150 psig maximum.

4) Standard voltage for RE231 thru RE233 is 120V/1ph/60Hz. RE234 thru RE250 is 480V/3ph/60Hz.

5) Pre and after filters must be used with all regenerative air dryers.

6) Maximum pressure drop of 2 psi

REGENERATIVE DRYERS



Standard Features of Externally Heated Regenerative Dryers

Externally mounted heater allows easy element service and efficiently conducts heat uniformly throughout the desiccant eliminating localized hot spots, desiccant fusing and heater burnouts. Heater elements are incoloy sheathed for long, trouble free service.

Heater thermostat controls and maintains user adjusted regeneration temperature to account for changing flow or seasonal moisture variations.

Interlock circuit protects units from heater burnout due to loss of purge air flow.

Non-lubricated control valves are pneumatically actuated to provide maximum dependability and maintenance free operation.

Fully automatic to provide the most efficient operation.

Panel mounted gauges provide accurate monitoring of tower pressures and temperatures.

Adjustable purge regulator is utilized to control purge air for optimum dryer efficiency.

Indicator lights display tower operating status.

Visual moisture indicator detects increase in dew point on outlet air flow.

Controlled repressurization gradually increases pressure in the tower to eliminate line surges and desiccant attrition.

Removable stainless steel diffuser screens disperse air flow for maximum desiccant capacity and to allow uniform air distribution throughout the desiccant bed.

NEMA 4 electrical construction.

Power on indicator to show dryer is energized and functioning.

Tower relief valves to prevent overpressurization.

ASME coded and stamped vessels.

Separate fill and drain ports for easy desiccant change.

Microprocessor controls provide reliable sequencing of dryer functions.

Control air line filter with replaceable element to protect pneumatic circuitry.

Exhaust purge muffler for quiet operation.

Pressure alarm package indicates failure to shift, failure to depressurize, failure to repressurize and failure to purge.

OPTIONS OF EXTERNALLY HEATED REGENERATIVE DRYERS

Dew Point Demand Plus	Pre-Piped Connection with Pre and after Filters
Dew Point Demand	Pre-Piped Filter Package with Three Valve Dryer Bypass
High Humidity Alarm	Pre-Piped Filter Package with Seven Valve Dryer Bypass
-100°F Pressure Dew Point	Power Saver Thermal Control
Remote Alarm Contacts	Heater Overtemp Alarm
Remote Alarm Dry Contacts	RS-232 Serial Communications Interface
NEMA 7 Explosion Proof Electrical Construction	
Low Ambient Package	
220V/1ph/60Hz	

See pages 8 and 9 for descriptions of optional features.

B L O W E R

P U R G E R E G E N E R A T I V E D R Y E R S

Arrow Pneumatics "BP" series blower purge regenerative dryers are more economical to operate than heated or heatless regenerative dryers. An external blower supplies heated atmospheric air as the purge air source for regeneration. This allows total air compressor capacity for plant operations. Eliminating the use of compressed air as purge allows the plant to more economically size the compressor only for plant operations. The blower purge offers the same easy maintenance features found in our heated regenerative dryer. The blower is designed for industrial applications and has an intake filter that protects the blower and dryer from damaging air born particles.

Operation

Our "BP" series blower purge dryers are fully automatic meaning purge air from compressor is not needed. Regeneration is similar to that of the "RE" series dryers in that the drying air flow is downward and is reversed between operation and regeneration. Compressed air saturated with water vapor passes through the inlet valve and flows downward through Tower "A". Tower "A" is said to be "on-line." The activated alumina desiccant adsorbs water vapor in the compressed air and the pressure dew point is lowered to a minimum of -40°F. The dried air then passes through the outlet valve to the factory tools or equipment.

While the air is being dried in tower "A", the desiccant in tower "B" that absorbed moisture in the previous cycle is simultaneously regenerated. Tower "B" is "off line". At the start of the regeneration cycle, tower "B" is depressurized from the operating pressure to atmospheric pressure with an upward air flow which passes through the purge valve and out the purge muffler. Regeneration continues with purge air being generated by an external blower. This purge air is heated and passes upward through tower "B" out to atmosphere. The temperature of the heater can be adjusted for better efficiencies. The combination of heated and lowered vapor pressure air allows for efficient and cost effective desiccant regeneration.

The entire process therefore consists of two cycles, one for drying and the other for regeneration. This process takes 8 hours to complete, with the drying cycle using 4 hours to provide the desired dew point, and regeneration cycle taking 4 hours; 3 hours for heating and 1 hour for cooling.

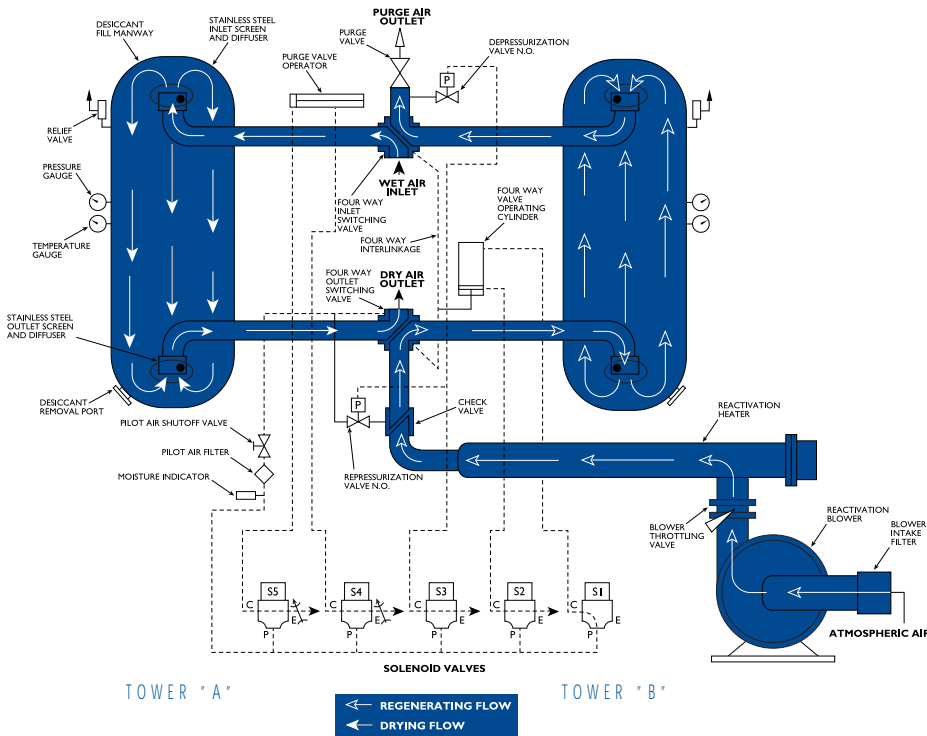


Model No.	Capacity SCFM	Heater KW	Blower KW	Pipe Size Connection	Height Inches	Weight Lbs.
BP123	200	6.00	0.75	1-1/2" NPT	74	1,375
BP144	350	9.00	1.12	2" NPT	88	2,260
BP183	600	15.00	1.50	2-1/2" NPT	80	2,900
BP204	800	20.00	2.24	3" FLG	92	4,150
BP244	1,100	36.00	3.73	3" FLG	98	5,600
BP304	1,500	40.00	7.46	4" FLG	94	7,425
BP325	2,100	50.00	7.46	4" FLG	101	8,675
BP366	3,000	75.00	11.19	6" FLG	106	11,200
BP425	4,000	105.00	11.19	6" FLG	109	15,500
BP485	5,000	140.00	14.92	6" FLG	111	17,700
BP545	6,500	175.00	22.38	6" FLG	117	20,900
BP605	8,000	230.00	37.30	8" FLG	126	26,400
BP665	10,000	280.00	55.95	8" FLG	130	31,600
BP725	12,000	340.00	74.60	10" FLG	134	37,800

- 1) Specifications and dimensions** are subject to change without notice.
- 2) Standard design conditions** are 100°F inlet, 100 psig and 100°F ambient. For other than standard design conditions or capacities up to 12,000 scfm, consult your factory representative.

- 3) Standard operating pressure** is 150 psig maximum.
- 4) Standard Voltage** 480V/3ph/60Hz
- 5) Pre and after filters** must be used with all regenerative air dryers.

REGENERATIVE DRYERS



Standard Features of Blower Purge Regenerative Dryers

Externally mounted heater allows easy element service and efficiently conducts heat uniformly throughout the desiccant eliminating localized hot spots, desiccant fusing and heater burnouts. Heater elements are incoloy sheathed for long, trouble free service.

Heater thermostat controls and maintains user adjusted regeneration temperature to account for changing flow or seasonal moisture variations.

Interlock circuit protects units from heater burnout due to loss of purge air flow.

Non-lubricated control valves are pneumatically actuated to provide maximum dependability and maintenance free operation.

Fully automatic to provide the most efficient operation.

Panel mounted gauges provide accurate monitoring of tower pressures and temperatures.

Indicator lights display tower operating status.

Visual moisture indicator detects increase in dew point on outlet air flow.

Controlled repressurization gradually increases pressure in the tower to eliminate line surges and desiccant attrition.

Removable stainless steel diffuser screens disperse air flow for maximum desiccant capacity and to allow uniform air distribution throughout the desiccant bed as applicable.

NEMA 4 electrical construction.

Power on indicator to show dryer is energized and functioning.

Tower relief valves to prevent overpressurization.

ASME coded and stamped vessels.

Separate fill and drain ports for easy desiccant change.

Microprocessor controls provide reliable sequencing of dryer functions.

Control air line filter with replaceable element to protect pneumatic circuitry.

Exhaust purge muffler for quiet operation.

Heavy-duty blower designed for long life with intake filter to protect the blower and dryer from damaging particles.

Butterfly throttle valve controls amount of purge air.

Pressure alarm package indicates failure to shift, failure to depressurize, failure to repressurize and failure to purge.

OPTIONS OF BLOWER PURGE REGENERATIVE DRYERS

Dew Point Demand Plus	Pre-Piped Filter Package with Three Valve Dryer Bypass
Dew Point Demand	Pre-Piped Filter Package with Seven Valve Dryer Bypass
Remote Alarm Contacts	Heater Overtemp Alarm
Remote Alarm Dry Contacts	Blower Purge Cool Down Loop
NEMA 7 Explosion Proof Electrical Construction	RS-232 Serial Communications Interface
Low Ambient Package	High Humidity Alarm
Power Saver Thermal Control	
Pre-Piped Connection with Pre and after Filters	

See pages 8 and 9 for descriptions of optional features.

OPTIONAL FEATURES

Dew Point Demand Plus

(PICTURED) Dew Point Demand Plus is an energy saving system that allows the user to program a controller for the desired dew point. This system regenerates the "off-line" vessel completely and allows that vessel to remain idle, while the "on-line" vessel dries service air. Outlet air flow is continuously sampled and once the desired dew point is reached a "tank switch-over" occurs and a new cycle begins. This option saves a significant amount of "purge air" each year thereby providing energy saving. This option includes a programmable digital display, an extremely accurate sensor and a high humidity alarm.

Dew Point Demand

(PICTURED) Dew Point Demand is a cost effective alternative to Dew Point Demand Plus. This system operates similar to the Dew Point Demand Plus but does not have the digital display, high humidity alarm or an adjustable dew point "tank switchover". The "tank switchover" occurs at a fixed -40°F dew point.

High Humidity Alarm

This option continuously monitors the outlet air stream for dew point performance. If a high humidity condition should occur, a panel mounted visual alarm is energized.

RS-232 Serial Communications Interface

Allows serial port connections for computer monitoring of dryer functions and operating statuses.

Heater Overtemp Alarm

Should a heater overtemperature condition exist, the integrated overtemperature sensor automatically shuts down the heater until it cools down to an acceptable temperature range. The sensor then resets itself and heater operation will begin again. A panel mounted visual alarm is energized during the overtemperature condition.

Remote Alarm Contacts

Contacts will be supplied for each alarm allowing an easy connection method for energizing remote visual or audible alarms. A 120-volt signal is sent when a failure occurs.

Remote Alarm Dry Contacts

This option closes a contact in the event of a failure condition allowing the customer supplied alarm circuit to be activated. Maximum voltage and current are 120 volt, 3 amperes.

-100°F Pressure Dew Point

This option lowers the dew point from the standard -40°F to -100°F . On heatless dryers, the cycling time is adjusted accordingly and a repressurizing system is added. On the heated dryers, a split bed of activated alumina and molecular sieve is added.

Low Ambient Package

Low ambient temperature protection is accomplished by encasing both towers with a rugged insulation. This insulation along with heat trace cables eliminates "freeze-ups" from low ambient conditions such as cold outdoor or unheated indoor installations.

DEW POINT DEMAND PLUS



DEW POINT DEMAND



Power Saver Thermal Control

This option monitors the temperature of the purge air flow from the regenerating tower. When the set regeneration temperature is reached, the heater shuts off. Power Saver minimizes the electrical energy used during regeneration when you have low dryer moisture loading. This also prevents dew point spikes and excessive temperature spikes at tower switchover.

Blower Purge Cool Down Loop

This option uses dry air from the "on-line" tower to cool and "polish" the desiccant in the regenerating tower. This feature ensures -40°F dew points are maintained during tank switchover.

NEMA 7 Electrical Construction

(PICTURED) For applications where an explosion proof enclosure and electrical construction are required. NEMA 7 enclosures are capable of withstanding and containing internal explosions so that an explosive atmosphere surrounding the enclosure will not be ignited. Enclosed heat generating devices shall not cause external surfaces to reach temperatures capable of igniting explosive surrounding atmospheres.

Total Pneumatic Controls

For applications where electricity is unavailable or undesired, such as remote field applications or duty in explosive environments. This option uses an air driven timer and control valves in place of electronic components.

Pre-piped Connection With Pre and After Filters

Prefilter and afterfilter mounted to dryer with integral piping ready to install in system. See following page for filters included.

3-Valve Bypass w/Pre-piped Connection

Prefilter and afterfilter mounted to dryer with integral piping and 3 bypass valves for bypassing filters and dryer. Ready to install in system. See following page for filters included.

7-Valve Bypass w/Pre-piped Connection

Prefilter and afterfilter mounted to dryer with integral piping and 7 bypass valves for individually bypassing either filter and/or dryer. Ready to install in system. See following page for filters included.

NEMA 7 ENCLOSURE



F I L T E R P A C K A G E

HEATLESS REGENERATIVE DRYER RECOMMENDED FILTERS

Dryer Model	Dryer In/Out Pipe Size	Dryer SCFM	Prefilter Model	Afterfilter Model
RH203	3/4" NPT	35	F505-06DF	F329-06-3
RH204	3/4" NPT	50	F505-06DF	F329-06-3
RH205	3/4" NPT	75	F505-06DF	F329-06-3
RH206	1" NPT	100	F508-08DF	F329-08-3
RH207	1" NPT	125	F508-08DF	F329-08-3
RH208	1-1/2" NPT	150	F510-12DT	F329-12-3
RH209	1-1/2" NPT	200	F510-12DT	F329-12-3
RH210	1-1/2" NPT	250	F510-12DT	F329-12-3
RH211	2" NPT	300	F510-16DT	F3N1-16-3
RH212	2" NPT	350	F510-16DT	F3N1-16-3
RH213	2" NPT	400	F518-16DT	F3N1-16-3
RH214	2" NPT	500	F518-16DT	F3N1-16-3
RH215	2-1/2" NPT	650	F519-24DT	F3NHF-24-3
RH216	2-1/2" NPT	750	F529-24DT	F3NHF-24-3
RH217	2-1/2" NPT	900	F529-24DT	F3NHF-24-3
RH218	3" FLG	1100	F5AX2M-24DF	F3AX2M-24-3
RH219	3" FLG	1300	F5AX2M-24DF	F3AX2M-24-3
RH220	3" FLG	1500	F5AX2L-24DF	F3AX2M-24-3
RH221	3" FLG	1800	F5AX2L-24DF	F3AX2M-24-3
RH222	3" FLG	2100	F5AX3L-32DF	F3AX2M-32-3
RH223	4" FLG	2500	F5AX4L-48DF	F3AX3L-48-3
RH224	4" FLG	3000	F5AX4L-48DF	F3AX3L-48-3

EXTERNALLY HEATED REGENERATIVE DRYER RECOMMENDED FILTERS

Dryer Model	Dryer In/Out Pipe Size	Dryer SCFM	Prefilter Model	Afterfilter Model
RE231	3/4" NPT	50	F505-06DF	F329-06-3
RE232	3/4" NPT	75	F505-06DF	F329-06-3
RE233	1" NPT	100	F508-08DF	F329-08-3
RE234	1-1/2" NPT	150	F510-12DT	F329-12-3
RE235	1-1/2" NPT	200	F510-12DT	F329-12-3
RE236	1-1/2" NPT	250	F510-12DT	F329-12-3
RE237	2" NPT	300	F510-16DT	F3N1-16-3
RE238	2" NPT	350	F510-16DT	F3N1-16-3
RE239	2" NPT	400	F518-16DT	F3N1-16-3
RE240	2" NPT	500	F518-16DT	F3N1-16-3
RE241	2-1/2" NPT	650	F519-24DT	F3NHF-24-3
RE242	2-1/2" NPT	750	F529-24DT	F3NHF-24-3
RE243	2-1/2" NPT	900	F529-24DT	F3NHF-24-3
RE244	3" FLG	1100	F5AX2M-24DF	F3AX2M-24-3
RE245	3" FLG	1300	F5AX2M-24DF	F3AX2M-24-3
RE246	3" FLG	1500	F5AX2L-24DF	F3AX2M-24-3
RE247	3" FLG	1800	F5AX2L-24DF	F3AX2M-24-3
RE248	3" FLG	2100	F5AX3L-32DF	F3AX2M-24-3
RE249	4" FLG	2500	F5AX4L-48DF	F3AX3L-48-3
RE250	4" FLG	3000	F5AX4L-48DF	F3AX3L-48-3

Note: For Blower Purge Regenerative Models BP123 thru BP725, consult factory for recommended pre and afterfilters.

REGENERATIVE DRYERS

Model	Description
RH	Heatless Regenerative Dryer
RE	Externally Heated Regenerative Dryer
BP	Blower Purge Regenerative Dryer

Dryer Size

RH	SCFM	RE	SCFM	BP	SCFM
203	35	231	50	123	200
204	50	232	75	144	350
205	75	233	100	185	600
206	100	234	150	205	800
207	125	235	200	245	1100
208	150	236	250	305	1500
209	200	237	300	325	2100
210	250	238	350	365	2500
211	300	239	400	366	3000
212	350	240	500	425	4000
213	400	241	650	485	5000
214	500	242	750	545	6500
215	650	243	900	605	8000
216	750	244	1100	665	10000
217	900	245	1300	725	12000
218	1100	246	1500		
219	1300	247	1800		
220	1500	248	2100		
221	1800	249	2500		
222	2100	250	3000		
223	2500				
224	3000				

Dew Point

A	-40° F
B	-100° F

Voltage

1	120V/1ph/60Hz
2	480V/3ph/60Hz
3	220V/1ph/60Hz
4	220V/3ph/60Hz

Electrical Construction

A	NEMA 4
B	NEMA 7
C	Total Pneumatic Controls (RH Dryers Only)

Dew Point Control & Monitoring Options

1	None
2	Dew Point Demand Plus
3	Dew Point Demand
4	Dew Point Demand and High Humidity Alarm
5	High Humidity Alarm

Heater Options (RE Dryers Only)

A	None
B	Heater Overtemp Alarm
C	Power Saver Thermal Control
D	Heater Overtemp Alarm and Power Saver

Remote Alarm Contacts Options

1	None
2	Remote Alarm Contacts (120V)
3	Remote Alarm Dry Contacts

Pre-Piping and Bypass Options

A	None
B	Pre-piped Filter Package
C	Pre-piped Filter PKG W/3 Valve Dryer Bypass
D	Pre-piped Filter PKG W/7 Valve Dryer Bypass

RS-232 Interface Option

1	None
2	RS-232 Serial Communications Interface

Low Ambient Options

A	None
B	Low Ambient Insulation

Cool Down Loop Option (BP Dryers only)

1	None
2	Blower Purge Cool Down Loop

