

# Refrigerant Drying



## DRYPOINT® RX

the most economical way to dry compressed air



Truth in Compressed Air

# DRYPOINT® RX Refrigeration Dryers



## Proprietary Heat Exchanger

The all aluminum unique profile allows for minimal pressure drop, counter flow technology, and includes a 5-year warranty.



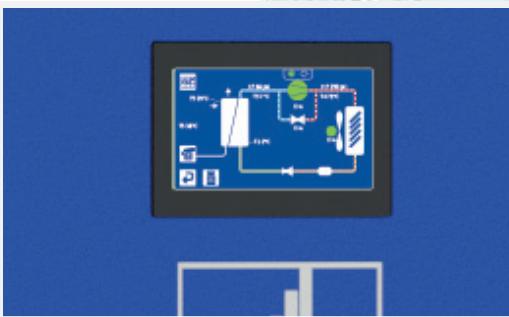
## Unique Microchannel Condenser

Increases performance and also improves reliability, and ensures that the desired dew point is precisely maintained.



## Dew Point Stability

We use a patented hot gas by-pass valve specifically designed for refrigerant drying that enables a stable dew point to be maintained.



## Ease of Use

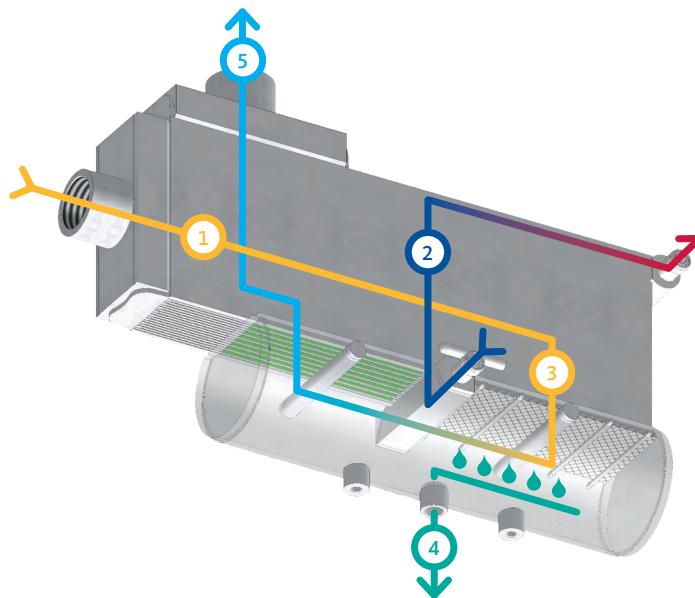
With modern controller technology, and high performance components, DRYPOINT RX dryers are a breeze to use and simple to maintain.



## BEKOMAT® Inside

With an integrated BEKOMAT as standard, you can rely on the global leader in condensate technology that is more trusted than any other brand.

## How it Works



1. Saturated, warm compressed air is pre-cooled in the air-to-air heat exchanger.
2. The compressed air is cooled in the air-to-refrigerant heat exchanger to the required pressure dew point.
3. Re-entrainment of separated water droplets is reliably prevented by the very large condensate collection chamber and reduced velocity.
4. Accumulated condensate is discharged from the dryer via a true zero air loss, level-controlled BEKOMAT® condensate drain.
5. The cold and dried compressed air leaves the DRYPOINT® RX through an air-to-air heat exchanger, reducing the relative humidity and recovering the cooling capacity by up to 60%.

Click or scan to watch on



YouTube

# DRYPOINT® RX Refrigeration Dryers

Refrigerant air dryers are commonly found in the majority of general industrial plant air applications. They offer users the best price-to-performance ratio in comparison to the compressed air quality produced. While the treated air may not be as dry as can be achieved with desiccant or membrane dryer technologies like DRYPOINT® X and DRYPOINT® M, the dry outlet air from refrigerant dryers is more than acceptable for the majority of applications.

## Modern Controllers

The modern control units - be it the **Touch controller** with color display or the **LED controller** - are characterized by intuitive operation and a wide range of practical information and setting options.

These innovative control units offer **IIOT** connectivity and make the **DRYPOINT® RX** future-proof. With their intuitive operation and numerous retrievable information and setting options, they guarantee complete ease of use.

### Touch controller at a glance

#### » User-friendly operation:

The modern touchscreen control is easy to use and intuitive.

#### » Future-proof with connectivity options:

The **Touch controller** is future-proofed with various connectivity options, including **Modbus RTU**.

#### » Clearly legible display:

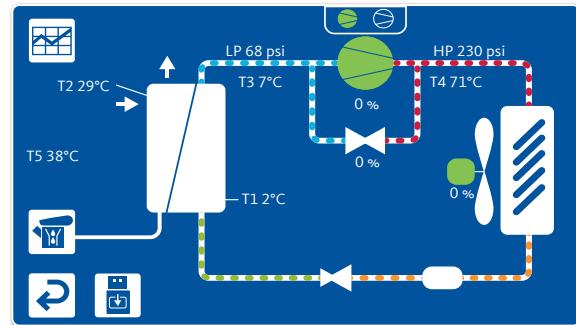
Temperature, pressure and other operating data are clearly shown on the display.

#### » Clear alarm messages:

Clear and descriptive alarm messages with time and date stamps make servicing easier.

#### » Event reports:

The ability to download event reports provides additional transparency and support for monitoring and analysis.



### LED controller at a glance

#### » Large-format LED display:

The **LED controller** has a large-format **LED** display for clear control.

#### » Simple operation:

Operation is effortless thanks to familiar icons that enable simple and intuitive handling.

#### » Wide range of alarm options:

Various selectable alarms are displayed directly on the control unit to alert you to important events.

#### » Integrated test function for BEKOMAT®:

The integrated test function makes it easy to check the **BEKOMAT®** condensate drain.

#### » IIOT capability with Modbus RTU:

Thanks to the integrated **Modbus RTU**, the **LED controller** is **IIOT-capable**, which enables easy integration into modern Industry 4.0 systems.



## Product Family



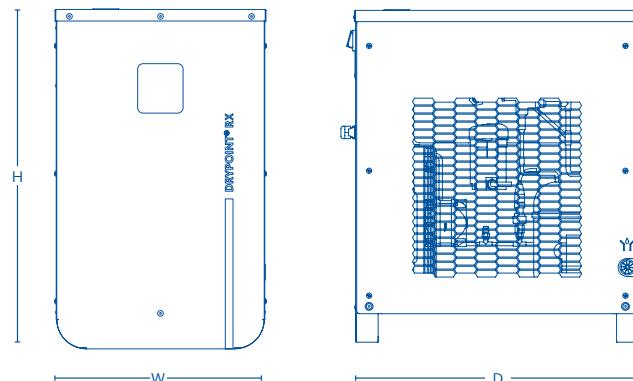
Cover3More: OPTIONAL 5-YEAR EXTENDED WARRANTY AVAILABLE >>> Details on last page

## Technical Details

### DRYPOINT® RX Premium Refrigeration Dryers

equipped with all NEW premium features including BEKOMAT® as standard

- Required pre-filtration: 1 µm | Recommended post-filtration: .01 µm
- UL / CSA certified control panel
- RX 10 – 200 115V UL/CSA certified
- RX 125 – 450 230V UL/CSA certified
- RX 250 – 550 460V UL/CSA control panel
- NEW** intuitive controller
- NEW** improved and proprietary heat exchanger
- NEW** externally protected micro-channel condenser
- MODBUS ready
- Outlet pressure dew point: Class 4-5 in accordance with ISO 8573-1:2010
- Max. inlet air temperature: 160 °F
- Min. / max. ambient temperature: 34 °F / 120 °F
- Max. inlet pressure: 232 psig



| DRYPOINT® RX                  | RX 10 | RX 20 | RX 30 | RX 50 | RX 60 | RX 70 | RX 100 | RX 125 |
|-------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|
| Connection Size (NPT)         | 1/2"  | 1/2"  | 1/2"  | 1/2"  | 1"    | 1"    | 1 1/4" | 1 1/4" |
| Flow Rate (scfm)              | 10    | 20    | 30    | 50    | 60    | 70    | 100    | 125    |
| Power Consumption - Load (kW) | .18   | .28   | .28   | .36   | .61   | .64   | .95    | .95    |

#### Dimensions and Weight

|                    |              |              |              |              |              |              |              |              |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| H x W x D (inches) | 23 x 14 x 19 | 27 x 17 x 24 | 27 x 17 x 24 | 27 x 17 x 24 |
| Weight (lbs)       | 60           | 60           | 71           | 77           | 82           | 106          | 108          | 110          |

| DRYPOINT® RX                  | RX 150 | RX 200 | RX 250 | RX 300 | RX 350 | RX 450 | RX 550 |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Connection Size (NPT)         | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/2" | 2"     | 2"     | 2"     |
| Flow Rate (scfm)              | 150    | 200    | 250    | 300    | 350    | 450    | 550    |
| Power Consumption - Load (kW) | 0.96   | 0.96   | 1.30   | 1.60   | 1.60   | 2.60   | 3.00   |

#### Dimensions and Weight

|                    |              |              |              |              |              |              |              |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| H x W x D (inches) | 27 x 17 x 24 | 45 x 24 x 30 | 61 x 30 x 38 |
| Weight (lbs)       | 110          | 174          | 179          | 194          | 220          | 243          | 414          |

### Correction Factors

| Operating Pressure psig | 60  | 80  | 100  | 120  | 140  | 160  | 180  | 200  |
|-------------------------|-----|-----|------|------|------|------|------|------|
| Correction Factor       | .79 | .91 | 1.00 | 1.07 | 1.13 | 1.18 | 1.23 | 1.27 |

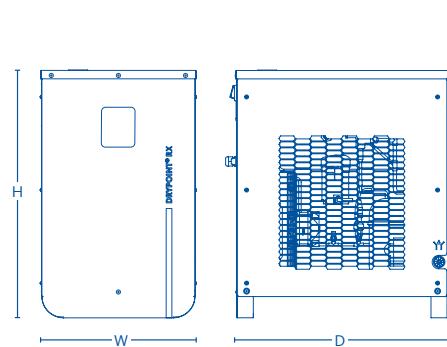
| Inlet Air Temperature °F | 90   | 100  | 110 | 120 | 130 | 140 | 150 | 160 |
|--------------------------|------|------|-----|-----|-----|-----|-----|-----|
| Correction Factor        | 1.16 | 1.00 | .82 | .68 | .61 | .52 | .45 | .40 |

The correction factors on this page provide an estimation of the performance that can be achieved with the model sizes shown. For precise sizing for your application, please contact your BEKO Technologies sales representative.

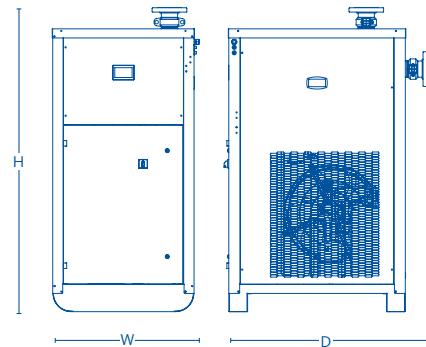
## DRYPOINT® RX Premium Refrigeration Dryers

equipped with all NEW premium features including BEKOMAT® as standard

RX 700 - 1000



RX 1300 - 1700



| DRYPOINT®RX                   | RX 700       | RX 800       | RX 1000      | RX 1300      | RX 1500      | RX 1700      |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Connection Size (ANSI)        | 2½"          | 3" Flange    | 3" Flange    | 3" Flange    | 4" Flange    | 4" Flange    |
| Flow Rate (scfm)              | 700          | 800          | 1000         | 1300         | 1500         | 1700         |
| Power Consumption - Load (kW) | 4.40         | 4.60         | 4.80         | 6.40         | 7.80         | 8.60         |
| <b>Dimensions and Weight</b>  |              |              |              |              |              |              |
| H x W x D (inches)            | 61 x 30 x 38 | 61 x 30 x 38 | 61 x 30 x 38 | 65 x 38 x 40 | 65 x 38 x 40 | 65 x 38 x 40 |
| Weight (lbs)                  | 454          | 492          | 492          | 672          | 761          | 851          |

### Correction Factors

| Operating Pressure psig  | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  |
|--------------------------|------|------|------|------|------|------|------|------|
| Correction Factor        | .79  | .91  | 1.00 | 1.07 | 1.13 | 1.18 | 1.23 | 1.27 |
| Inlet Air Temperature °F | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  |
| Correction Factor        | 1.16 | 1.00 | .82  | .68  | .61  | .52  | .45  | .40  |

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ask your  
**sales  
representative**  
for complete details  
and extend your full  
warranty today



## At a Glance



## How it Works

1. Select the product or products that you wish to cover with the extended warranty.
2. Simply add 8% to the net price of each product or call your sales representative if you need help calculating your final net price.
3. Include this information as a line item with your purchase order or purchase the warranty extension up to 18-months post-sale.

**What we need from you:** It's not much. In fact, if you are purchasing the Cover3More extended warranty with a new equipment purchase, all you have to do is include a line item on your order indicating which items you wish you cover, and we will take care of the rest. If you happen to be adding coverage to a product you've already taken delivery of, then all we need is the company name and contact information of the original purchaser, the product model number of the product to be covered, serial number, and original purchase order number or BEKO Technologies invoice number, and we will apply coverage appropriately. **Please feel free to contact us at +1 (800) 235-6797 to get started.**

## Compare

**We give you more:** In addition to a robust, standard 2-year warranty on BEKO Technologies products, we offer our customers the option of extending the standard warranty even further with the **Cover3More** program – a low cost, all-encompassing, and simple warranty extension program.

- › Extends the standard factory warranty for an additional 3-years
- › May be purchased at any time up to 18-months post-sale
- › No hassle and easy to calculate without any hidden costs

Secure your future with a minimal investment. The **Cover3More** extended warranty program from BEKO Technologies ensures that your investment is covered for a total of 5-years at a nominal cost.

- › 2-year standard warranty covers parts and labor
- › 3-year extended warranty covers parts only, no parts restrictions
- › Significantly reduces your risk of having unexpected costs

**Reliability you can count on:** With the Cover3More extended warranty program, BEKO Technologies not only lengthens the standard warranty period by 3-years from the installation date, but also draws on the company's vast compressed air industry experience to quickly resolve any product problems you may experience in the least disruptive way possible, thereby keeping downtime to an absolute minimum. Should a repair be required, it will be handled by qualified, authorized personnel, and only original parts will be used.

**What's in the fine print:** The optional 36-month warranty extension (i.e. Cover3More) is a limited extended warranty that covers parts only from months 25-60.

However, all of the aforementioned installation, performance, and quality requirements must still be met in order to maintain extended warranty coverage. Failure to do so will render all warranties null and void.

The limited extended warranty coverage may be purchased and applied to any of the BEKO Technologies product lines included in the scope of the Cover3More extended warranty program from the original date of purchase from BEKO Technologies to 18-months thereafter.

Extended warranty coverage may not be purchased during the final 6-months of the standard warranty coverage, which are months 19-24 from the date of shipment or at BEKO Technologies' discretion, the date of installation.

The purchase price of the Cover3More limited extended warranty is not prorated and the current published purchase price is always applied.

Should the extended warranty coverage be purchased post-delivery or post-sale, then the serial number of all products to which the warranty shall be extended must be provided to BEKO Technologies at the time of purchase of the extended warranty.

Reliable | Efficient | Innovative

What can we do for you?



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