

SAYLOR-BEALL

-AIR COMPRESSORS-

SBDR

REFRIGERATED DRYER



saylor-beall.com | 800.248.9001



Unique Heat Exchanger

The all aluminum unique profile allows for minimal pressure drop, self-cleans using gravity, and includes a 5-year warranty.



Energy Efficiency

Oversized condensers paired with compressors that are optimized for the refrigerant circuit maximize energy savings.



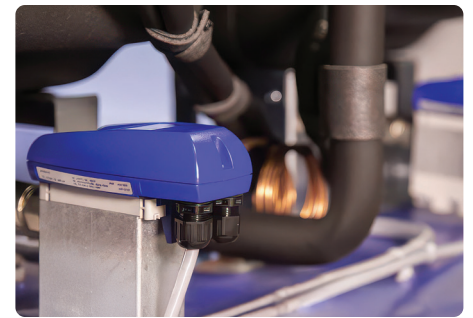
Dew Point Stability

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 RA dryers are a breeze to use and simple to maintain.

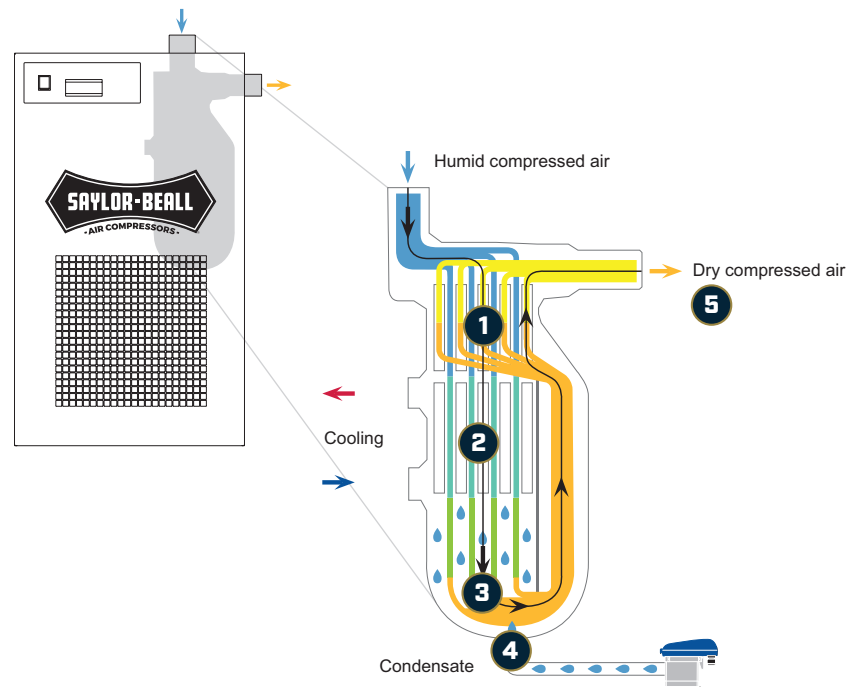


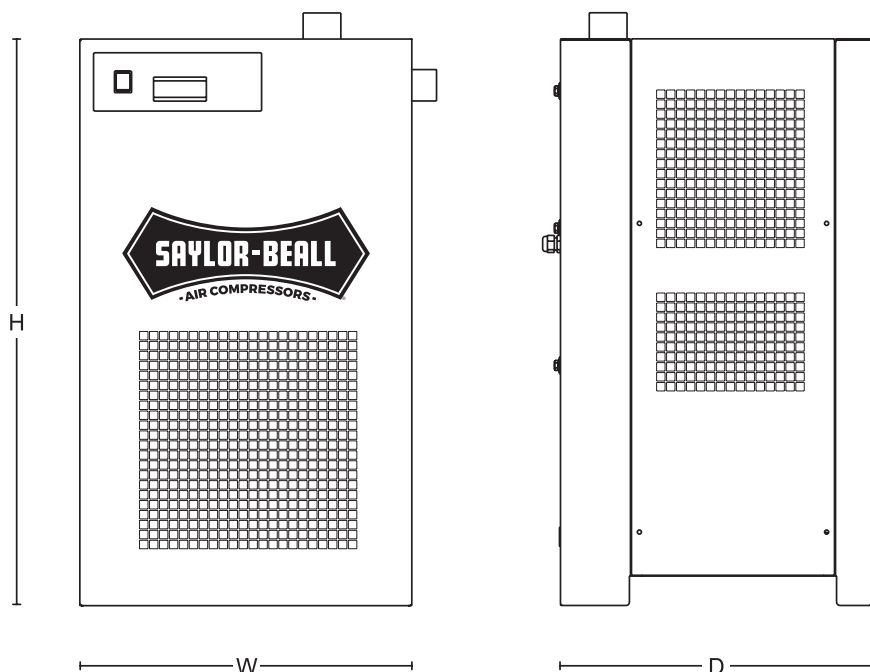
BEKOMAT® Inside

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® RA through an air-to-air heat exchanger, reducing the relative humidity and recovering the cooling capacity by up to 60%.





TECHNICAL DETAILS

DRYPOINT® SBDR Compact Refrigeration Dryers economically priced with BEKOMAT® or with timer drain.

- **Required pre-filtration:** 1 µm
Recommended post-filtration: .01 µm
- **UL / CSA certified**
- **Outlet pressure dew point:** Class 4-5 in accordance with ISO 8573-1:2010
- **Max. inlet air temperature:** 130 °F
- **Min. / max. ambient temperature:** 34 °F / 115 °F
- **Max. inlet pressure:** SBDR 10 - 50: 232 psig
SBDR 75 - 480: 200 psig

Model	SBDR-0015	SBDR-0020	SBDR-0035	SBDR-0050	SBDR-0075	SBDR-0100	SBDR-0125	SBDR-0150	SBDR-0175	SBDR-0220	SBDR-0300
Connection Size (NPT)	1/2"	1/2"	1/2"	1/2"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"
Flow Rate (scfm)	15	20	35	50	75	100	125	150	175	220	300
Pressure Drop (psid)	4.4	0.6	1.3	2.2	2.6	2.2	3.5	4.9	2.8	3.6	2
Operating Voltage	115V / 1 ph	115V / 1 ph	115V / 1 ph	115V / 1 ph	115V / 1 ph	115V / 1 ph	115V / 1 ph	115V / 1 ph	230v / 1 ph	230v / 1 ph	230v / 1 ph
Power Consumption - Load (kw)	0.20	0.21	0.29	0.3	0.45	0.7	1	1.05	1.2	1.25	1.5

Dimensions and Weight

H x W x D (inches)	19x15x20	19x15x20	19x15x20	19x15x20	29x14x17	29x14x18	29x14x18	32x19x18	35x22x23	35x22x23	38x22x25
Weight (lbs)	60	62	62	68	84	86	88	90	119	123	207

CORRECTION FACTORS

Operating Pressure psig	60	80	100	120	140	160	180	200
Correction Factor	0.79	0.91	1	1.07	1.13	1.18	1.23	1.27

Inlet Air temperature (degree F)	90	100	110	120	130
Correction Factor	1.11	1	0.8	0.65	0.53

Ambient Air Temperature (degree F)	80	90	100	110	115
Correction Factor	1.1	1.07	1	0.83	0.7

Since 1915, Saylor-Beall has specialized in manufacturing industrial-grade, two-stage air compressors known for their durability and performance.

We stand out with our high-quality designs, custom applications, and a commitment to fast, reliable order fulfillment. Whether you need a standard solution or a custom-engineered design, Saylor-Beall is your go-to source for air compressors built to handle even the most rugged environments.

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SAYLOR-BEALL Manufacturing Company warrants its compressors and parts when properly installed, lubricated and maintained as recommended and in accordance with good industry practice to be free from defects in material and workmanship under normal use and service. The responsibility of the Company under this warranty is limited to repair or replacement at the Company's factory, any compressor or part thereof, which shall, within one year after date of shipment to the original purchaser, be returned to the Company and which, upon examination, shall be found defective to the satisfaction of the Company. This warranty shall not apply to compressors or parts which have been subjected to misapplication, misuse, negligence or accident, to compressors or parts which have been repaired or tampered with outside the Company's factory when in the judgment of the Company, it appears that the reliability or stability of the compressor or part has been effected. Ordinary maintenance, such as adjustment and cleaning of equipment or components is the responsibility of the owner. All transportation and shipping charges shall be paid by purchaser. This warranty does not apply to electric motors or gasoline engines. These are covered by the Original Manufacturer's Warranty and should be returned by the purchaser to their authorized station for service. This warranty is expressly in lieu of all other warranties (except of title) expressed or implied and of any other obligations or liability on the part of the Company. There are no warranties of merchantability or of fitness for a particular purpose.