



Drying | DRYPOINT® AC 119 – AC 196

The compact cold regenerating dryers for maximum flexibility: DRYPOINT® AC 119 – AC 196

For volume flow rates of 10 – 120 m³/h, the cold-regenerated dryer DRYPOINT® AC 119 – AC 196 guarantees a stable supply of top-quality compressed air through the use of premium desiccant. The desiccant is filled into cartridges and removes moisture from the compressed air up to a pressure dew point of -40 °C. An integrated after-filter safely holds back any desiccant abrasion residue.

This dryer therefore ensures smooth and efficient production processes. The DRYPOINT® AC 119 – AC 196 provides another decisive advantage as a genuine system solution: in combination with a CLEARPOINT® compressed air pre-filter and BEKOMAT® condensate drain, the DRYPOINT® AC guarantees compressed air quality.



› Compressed air of high quality

- › Lower pressure dew point down to -40 °C
- › Constantly high degree of drying

› Flexible installation

- › Compact, space-saving design
- › Multi-voltage: Can be connected to any common power supply worldwide
- › Multi-port: Inlet and outlet connection can be freely positioned
- › Pre-stressed desiccant allows horizontal installation

› Efficiency

- › Inlet filtration prolongs the service life
- › Integrated compressor synchronisation control for even more efficient operation
- › Service-friendly dryer design
- › Flow-optimised pre-filter for low pressure losses

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Better through Responsibility

Versatile installation options for flexible use.

The DRYPOINT® AC 119 – AC 196 is compatible with a wide range of installation layouts and conditions thanks to the multiport. By simply twisting the multiport manifold, the inlet and outlet connections can be adjusted for the air flow. The pre-loaded desiccant means that the DRYPOINT® AC can be installed

both horizontally and vertically, so that a total of 20 different installation options are available. Utilising multi-voltage means that the DRYPOINT® AC 119 – AC 196 can be connected directly to any conventional power supply, making it perfectly equipped for worldwide use.



Horizontal installation



Can be installed on the side and front



Installation at the back

Efficiency and easy maintenance – the advantages are on your side.

The DRYPOINT® AC 119 – AC 196 provides you with a number of advantages: The energy-saving compressor synchronisation control ensures a significant reduction of the operating costs as no purge air is used when the compressors is not in use. In addition, the low pressure drop of on average only of just 0.35 bar on average, including pre- and after-filter, also reduces energy costs. The constant monitoring and control of the dryer is

also exceptionally reliable and cost-effective.

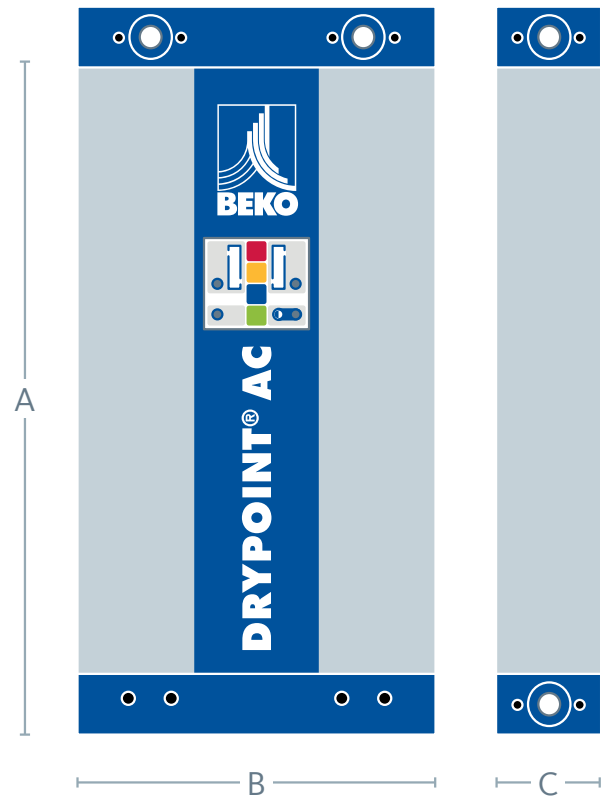
Due to the potential-free alarm contact, the DRYPOINT® AC can be connected to a control room for remote monitoring. The DRYPOINT AC is particularly easy to service during regular maintenance checks and when repairs are needed. For example, the cartridges can be replaced quickly, easily and without any mess.

Compact design – impressive quality, efficiency and service

In combination with a CLEARPOINT compressed air pre-filter and an optional BEKOMAT, the DRYPOINT AC 119-196 desiccant dryer is a genuine system solution that guarantees maximum safety and performance. By using high-quality desiccant and integrated compressed air after-filtration, the DRYPOINT® AC ensures a stable supply of high-quality compressed air. The desiccant is filled into cartridges and removes moisture from

the compressed air down to a pressure dew point of -40 °C. With the integrated compressor synchronisation control and the possibility of remote monitoring by means of alarm contacts, this adsorption dryer ensures smooth and efficient production processes and stands out with its flexibility and easy maintenance.

| Technical data | |
|------------------------------------|--|
| Ambient temperature | 1.5 ... 50 °C |
| Pressure dew point default setting | -40 °C |
| Air inlet temperature | 1.5 ... 50 °C min./max. |
| Pressure range | 4 ... 16 bar |
| Volume flow rate range | 10.2 ... 119 m ³ /h |
| Max. relative humidity | 80 % up to 31 °C, linear decrease to 50 % relative humidity at 50 °C |
| Input voltage range | 100 ... 240 VAC, 50 ... 60 Hz, 12 ... 24 VDC Mains voltage may not exceed ±10 % of the nominal voltage |
| Protection class | IP 65 |



| DRYPOINT® | AC 119 | AC 122 | AC 126 | AC 136 | AC 148 | AC 171 | AC 191 | AC 196 |
|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Connection | G 3/8" | G 3/8" | G 3/8" | G 3/8" | G 3/8" | G 3/8" | G 1/2" | G 1/2" |
| Volume flow rate (m ³ /h) | 10.2 | 13.6 | 17 | 25.5 | 42.5 | 59.5 | 85 | 119 |
| Dimensions | | | | | | | | |
| A (mm) | 504 | 565 | 635 | 815 | 1065 | 1460 | 1065 | 1460 |
| B (mm) | 281 | 281 | 281 | 281 | 281 | 281 | 281 | 281 |
| C (mm) | 92 | 92 | 92 | 92 | 92 | 92 | 184 | 184 |
| Weight (kg) | 14 | 15 | 16.5 | 19.5 | 24 | 31 | 47 | 61 |

Volume flow rate data for DTP - 40 °C.

| Operating pressure (bar) | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Pressure correction factors | 0.63 | 0.75 | 0.88 | 1.00 | 1.13 | 1.25 | 1.38 | 1.50 | 1.63 | 1.75 | 1.88 | 2.00 | 2.12 |

| Temperature (°C) | 35 | 40 | 45 | 50 |
|-------------------------------|------|------|------|------|
| Correction factor temperature | 1.00 | 0.88 | 0.67 | 0.55 |

| Reference conditions according to DIN / ISO 7183 | |
|--|-------------------|
| Medium | Compressed air |
| Volume flow rate in m ³ /h relative to | 20 °C (1 bar [g]) |
| Operating pressure (p ₁) | 7 bar [g] |
| Compressed air inlet temperature (t ₁) | 35 °C |
| Inlet humidity | saturated |

Do **you** have questions about the best way of processing your compressed air?

We have the answers! We offer efficient solutions for any type of processing chain. Please contact us with your queries. We would be delighted to tell you more about our condensate

treatment, filtration, drying, measuring and process technology, and our comprehensive services.

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