

ROTARY VANE PUMPS VT, DT & T 4.



BECKER DRY-RUNNING ROTARY VANE PUMPS

The straightforward construction with single shaft direct drive makes for a robust, long-life rotary vane pump with low operation and maintenance costs. Becker as a design and technology leader has been showing this consistently with its entirely oilless pumps for decades.

ADVANTAGES

- Made in Germany
- Compact dimensions from 1.9 to 48 m³/h
- 100% oilless operation
- Robust, sturdy and reliable because of single-shaft direct drive
- Versions for vacuum (VT/VX 4.), pressure (DT/DX 4.) and combined operation (T/X 4.) available
- Low-maintenance series from 10 to 48 m³/h with extended life span for long-term reliable operation (a guaranteed service life of the rotary vane of 20,000 hours or max. 3 years)
- Compact build, regulator valves included, suction filter integrated
- Easy to integrate, immediately ready for operation
- Straightforward construction for fast and easy service on-site

CUSTOMIZATION

- A variety of motors available (1- and 3-phase power available for all dimensions)
- 24 V DC Drive for VT/DT 4.4 and 4.8
- Noise dampening cowls available, also for fitting on existing equipment
- Besides the comprehensive accessory toolbox, our core competency are customer-specific solutions
- Optional UL certification

EFFICIENCY

- Highly efficient vacuum and pressurised air generation
- We use highly efficient drive motors (optionally with IE3)
- Long service life



Rotary vane pump
in sound proof box SH19/SH20



Rotary vane vacuum pumps
VX 4.25 of the X-Series

BEST IN CLASS

Becker Pumps Corporation
100 East Ascot Lane
Cuyahoga Falls, OH 44223
USA

T +1 330 928 9966
F +1 330 928 7065
info@beckerpumps.com
www.beckerpumps.com



SPECIFICATIONS VT, DT & T 4.

| VACUUM | VT 4.2 | | VT 4.4 | | VT 4.8 | | VT 4.10 VX 4.10 | | VT 4.16 VX 4.16 | | VT 4.25 VX 4.25 | | VT 4.40 VX 4.40 | |
|------------------------|--------|-------|--------|-------|--------|-------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|
| | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz |
| m³/h | 1.9 | 2.3 | 4.1 | 4.7 | 8.0 | 9.1 | 10 | 12 | 16 | 19 | 25 | 30 | 40 | 48 |
| mbar absolute | 400 | 400 | 150 | 150 | 150 | 150 | 150 ¹⁾ | 150 ¹⁾ | 150 ¹⁾ | 150 ¹⁾ | 150 ¹⁾ | 150 ¹⁾ | 150 ¹⁾ | 150 ¹⁾ |

¹⁾ VX 4.10 – VX 4.40 with 100 mbar absolute

| PRESSURE | DT 4.2 | | DT 4.4 | | DT 4.6/0-61 | | DT 4.8 | | DT 4.10 DX 4.10 | | DT 4.16 DX 4.16 | | DT 4.25 K DX 4.25 K | | DT 4.40 K DX 4.40 K | |
|------------------------|--------|-------|--------|-------|-------------|-------|--------|-------|--------------------|-------|--------------------|-------|------------------------|-------|------------------------|-------|
| | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz |
| m³/h | 1.9 | 2.3 | 4.2 | 4.9 | 5.7 | 6.4 | 8 | 9.5 | 10 | 12 | 16 | 19 | 25 | 30 | 40 | 48 |
| bar relative | +0.6 | +0.6 | +1.0 | +1.0 | +0.5 | +0.5 | +1.0 | +1.0 | +1.0 | +1.0 | +1.0 | +1.0 | +1.0 | +1.0 | +1.0 | +1.0 |

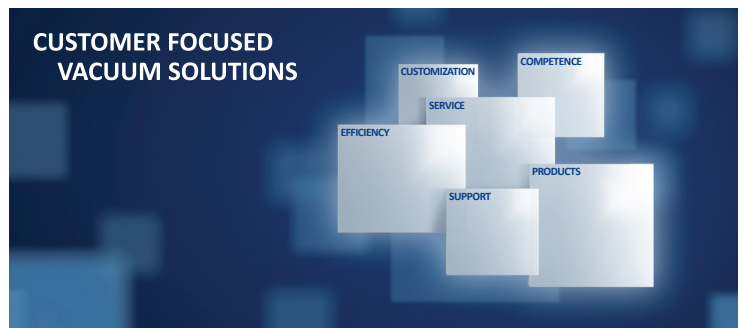
| COMBINED | T 4.10 DV X 4.10 DV | | T 4.16 DV X 4.16 DV | | T 4.25 DV X 4.25 DV | | T 4.25 DSK X 4.25 DSK | | T 4.40 DV X 4.40 DV | | T 4.40 DSK X 4.40 DSK | |
|------------------------|------------------------|-------|------------------------|-------|------------------------|-------|--------------------------|-------|------------------------|-------|--------------------------|-------|
| | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz | 50 Hz | 60 Hz |
| m³/h | 10 | 12 | 16 | 20 | 25 | 30 | 25 | 30 | 35 | 43 | 35 | 43 |
| bar relative | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.6 | ±0.6 | ±0.5 | ±0.5 | ±0.6 | ±0.6 |

THE BECKER SOLUTIONS

As a leader in the field of suction and blast air we offer complete solutions driven by your individual needs.

The dry-running rotary vane pumps of the T-Series, made by Becker, are the yardstick of the competition in many industrial applications, and the ideal solution for:

- Packaging applications in the food and non-food sectors,
- Suction applications in the medical industry,
- Thermoforming of plastic parts,
- Pick & Place applications (e.g. Electronics, Food industry),
- Applications in the printing and paper industry and the
- Water treatment in the environment protection industry.



OUR SOLUTION COMPONENTS

▪ CUSTOMIZATION

We develop customized solutions for your individual requirements and applications.

▪ EFFICIENCY

We optimize your air supply to ensure a better efficiency for your complete system.

▪ SUPPORT

Our consulting and planning add value to your individual application for an optimal solution.

▪ COMPETENCE

With over 130 years of experience, we have the expertise to create innovative solutions for your current and future needs.

▪ SERVICE

Our worldwide subsidiaries and representatives are able to provide service solutions to meet your individual needs.

▪ PRODUCTS

We develop “Best in Class” solutions from individual units to entire systems according to your specific requirements.

BEST IN CLASS

Becker Pumps Corporation
100 East Ascot Lane
Cuyahoga Falls, OH 44223
USA

T +1 330 928 9966
F +1 330 928 7065
info@beckerpumps.com
www.beckerpumps.com

