

VT/DT/T 4.

# ROTARY VANE PUMPS

MAKE IT BECKER.



## 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.

## EFFICIENCY

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

## 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

## ADVANTAGES

- Made in Germany
- Compact dimensions from 1.9 to 48 m<sup>3</sup>/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 m<sup>3</sup>/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

## SPECIFICATION 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
m <sup>3</sup> /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 <sup>1)</sup>	150 <sup>1)</sup>						

<sup>1)</sup> 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
m <sup>3</sup> /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	+1.0	+1.0	+0.5	+0.5	+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
m <sup>3</sup> /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



Vacuum: VT and VX



Pressure: DT and DX



Combined: T and X

## THE BECKER SOLUTION

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.