



# TURBOVAC i

Enhancing Performance



# Why TURBOVAC i?



## WHY TURBOVAC i/iX?

The TURBOVAC i/iX family has grown and now has two further members. The new TURBOVAC 850 i/iX and TURBOVAC 950 i/iX offer additional pump sizes with significantly higher pumping speeds than previously available, enabling customers to take advantage in more applications. That's why you can always rely on TURBOVAC i/iX!

✓ **From pumping speeds 90 -450 l/s to 850 and 925 l/s**

The TURBOVAC i/iX range covers pumping speeds over 900 l class

✓ **From 4 to 6 family members**

No matter which application, we offer the right pump size to meet your operation requirements

✓ **From serviceability to active bearing management**

A pump generation for stress-free operation and service where the pump actively manages the bearing, and bearing replacement on-site is possible

✓ **From IP40 to IP54**

While all TURBOVAC i/iX pumps offer IP40 as standard, IP54 is an option for protection in industrial and coating environments.



i-Version



Abus-Version



iX-Version



# That's why!



## Technical Data

TURBOVAC		850 i/iX	950 i/iX
High-vacuum connection	DN	160 ISO-K / CF	200 ISO-K / CF
Fore-vacuum connection	DN	25 KF	25 KF
Pumping speed for			
N <sub>2</sub>	l · s <sup>-1</sup>	720	900
Ar		655	840
He		850	925
H <sub>2</sub>		755	770
Gas throughput			
N <sub>2</sub>	mbar · l · s <sup>-1</sup>	14	14
Ar		3,5	3,5
He		21	21
H <sub>2</sub>		> 15	> 15
Compression ratio			
N <sub>2</sub>		> 1 · 10 <sup>11</sup>	> 1 · 10 <sup>11</sup>
Ar		> 1 · 10 <sup>11</sup>	> 1 · 10 <sup>11</sup>
He		1,3 · 10 <sup>8</sup>	1,3 · 10 <sup>8</sup>
H <sub>2</sub>		4,4 · 10 <sup>6</sup>	4,4 · 10 <sup>6</sup>

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TURBOVAC	850 i		850 iX	
High vacuum flange	160 ISO-K	ABus/160 ISO-K	ABus/160 ISO-K	RS485/160 ISO-K
Part Number *) **)	840071V1000	840071V2000	840071V3000	840071V3300
High vacuum flange	160 CF	ABus/160 CF	ABus/160 CF	RS485/160 CF
Part Number *) **)	840081V1000	840081V2000	840081V3000	840081V3300

TURBOVAC	950 i		950 iX	
High vacuum flange	200 ISO-K	ABus/200 ISO-K	ABus/200 ISO-K	RS485/200 ISO-K
Part Number *) **)	840091V1000	840091V2000	840091V3000	840091V3300
High vacuum flange	200 CF	ABus/200 CF	ABus/200 CF	RS485/200 ISO-K
Part Number *) **)	840111V1000	840111V2000	840091V3000	840111V3300

\* xxxxxxV1000 and xxxxxxV3300 part numbers with USB+, 15 pin digital I/O and RS485 interface; other interfaces upon request

\*\* xxxxxxV2000 and xxxxxxV3000 Abus versions are equipped with USB and 15 pin digital I/O interfaces; Slot available for the Anybus interface modules listed below.

## Accessories

### Power supply, cables and accessories

410300V5221 – TURBO.POWER 501

800096V0102 – Cable TURBOVAC i/iX – TURBO.POWER 501, 1 m

800096V0302 – Cable TURBOVAC i/iX – TURBO.POWER 501, 3 m

800096V0502 – Cable TURBOVAC i/iX – TURBO.POWER 501, 5 m

800096V0101 – Cable TURBOVAC i/iX – Open end, 1 m,

800096V0301 – Cable TURBOVAC i/iX – Open end, 3 m,

800096V0501 – Cable TURBOVAC i/iX – Open end, 5 m,

800102V0002 – Mains Input Cable 3m EU

800102V0003 – Mains Input Cable 3m UK

800102V1002 – Mains Input Cable 3m US

800110V0016 – Accessory cable TURBOVAC i, M8-M8, 2m

800110V0020 – Y cable TURBOVAC i/iX, M8

800110V0021 – Start stop switch for TURBOVAC i/iX

800110V0108 – USB cable 2.0 Type A/B, 1.8 m

800110V0030 – Relay box for fore vacuum pump, 1-phase, 10A  
incl. 2 m M8-M8 cable

### Control

800100V0004 – TURBO.CONTROL i

800110V0028 – Table top housing

800110V0027 – Power supply 24 VDC / 1.5 A

### Cooling

800136V0011 – Air cooling radial TURBOVAC 850 - 950 i/iX

800135V0007 – Water cooling TURBOVAC 850 - 950 i/iX

### Heating

800137V0007 – Flange heating DN 160 CF, 230V

800137V0008 – Flange heating DN 160 CF, 115V

### Venting and Purge

800120V0012 – Venting valve, 24 V DC, G 1/8"

800120V0013 – Purge gas valve, 24V DC, 24 sccm, G 1/8"

800120V0014 – Purge gas throttle, 24 sccm, G 1/8"

800120V0022 – Power failure venting valve, 24V DC, G 1/8"

800110V0022 – Air filter, G 1/8"

### Anybus Modules

410300V0902 – Anybus RS232 Module

410300V0903 – Anybus RS485 Module

410300V0904 – Anybus Profibus M40 Module

410300V0906 – Anybus Ethernet Module

410300V0905 – Anybus Profinet IRT Module

410300V0907 – Anybus EtherCAT Module

410300V0908 – IP54 Anybus Profibus M40 Module

410300V0910 – IP54 Anybus Ethernet Module

410300V0909 – IP54 Anybus Profinet IRT Module

410300V0911 – IP54 Anybus EtherCAT Module