

Leibold 800120V0012

## Venting Valve, 24 V DC, G 1/8"



**\$550.00**

**In Stock**

**Qty Available: 10+**

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# Leybold TURBOVAC iX

## Turbomolecular Pumps 350 iX - 450 iX



### Installation - Operation - Control

- Integrated 24/48V DC drive electronics to avoid expensive cabling
- Integrated vacuum system controller for plug & play pump system control
  - Standard USB and 15-pin digital I/O
  - Optional RS 485, RS232, Profibus and more
  - Control of up to 6 accessories
  - Gauge port for gauge supply & pressure data
  - Forevacuum pump control
- Highly efficient motor
- Thermal isolation by design for optimized cooling of bearing & improved pump life
- Special shaft & bearing design reducing vibration
- Maintenance free upper passive magnetic bearing
- Oil free, lifetime lubricated lower mechanical ceramic ball bearing, field replaceable

### Performance

- Industry leading pumping for light gases (60% higher)
- Optimized rotor diameter for ISO flanges to provide MAX pumping performance

### Flexibility

- Vacuum port design flexibility
  - Rotatable fore-vacuum port
  - Interstage port options
- Variable rotor & drag stage configuration for perfect match to application

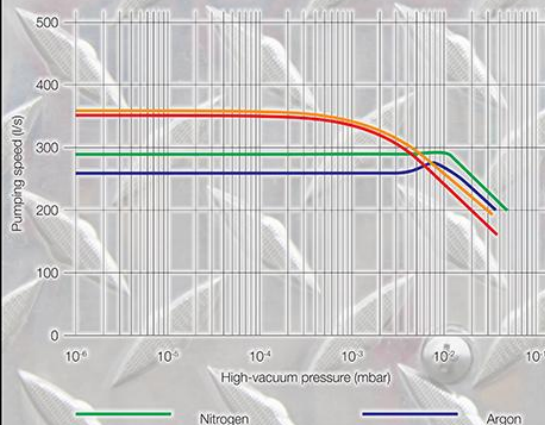
450 iX  
Shown with  
160 ISO-K  
Inlet



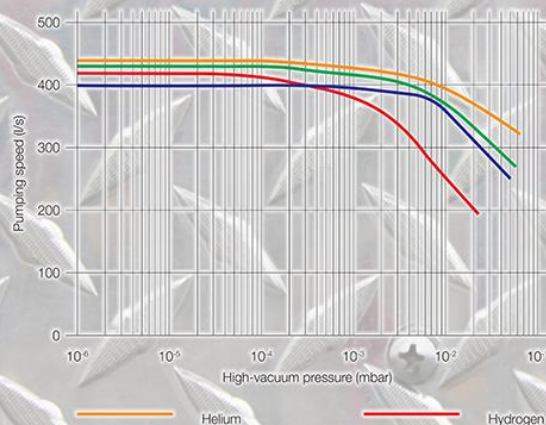
## SPECIFICATIONS

		350 iX	450 iX	T 350 iX	T 450 iX
High-vacuum connection	DN	large flange 100 ISO-K	160 ISO-K	100 ISO-K	160 ISO-K
		conflat 100 CF 6"OD	160 CF 8"OD	100 CF 6"OD	160 CF 8"OD
Forevacuum connection	DN	25 KF	25 KF	25 KF	25 KF
Pumping speed for	$l \cdot s^{-1}$				
N <sub>2</sub>		290	430	290	430
Ar		260	400	260	400
He		360	440	360	440
H <sub>2</sub>		350	420	320	400
Gas throughput	$mbar \cdot l \cdot s^{-1}$				
N <sub>2</sub>		4.5	4.5	11.5	11.5
Ar		2.0	2.0	6.0	6.0
He		8.0	8.0	20.0	20.0
H <sub>2</sub>		8.0	8.0	20.0	20.0
Compression ratio					
N <sub>2</sub>		$1 \cdot 10^{11}$	$1 \cdot 10^{11}$	$1 \cdot 10^{10}$	$1 \cdot 10^{10}$
Ar		$1 \cdot 10^{11}$	$1 \cdot 10^{11}$	$1 \cdot 10^{11}$	$1 \cdot 10^{11}$
He		$1 \cdot 10^8$	$1 \cdot 10^8$	$1 \cdot 10^8$	$1 \cdot 10^8$
H <sub>2</sub>		$1 \cdot 10^6$	$1 \cdot 10^6$	$1 \cdot 10^4$	$1 \cdot 10^4$
Ultimate pressure ISO-K/CF with 2-stage oil-sealed rotary vane pump	mbar	$< 10^{-9} / < 10^{-10}$			
Max. permissible forevacuum pressure for N <sub>2</sub>	mbar	10	10	0.5	0.5
Operating speed	rpm	60,000			
Cooling standard		Convection			
Cooling optional		Air or water			
Weight ISO-K/CF	kg	8.0/12.0	8.2/13.0	7.5/11.5	7.7/12.5
Recommended forevacuum pumps		TRIVAC	D 4 B	D 16 B	D 16 B
		SCROLLVAC	SC 5 D/15 D	SC 15 D/30 D	SC 15 D/30 D
		DIVAC	3.8 HV3	—	—
Supply voltage		24/48V DC $\pm$ 10 %			
Max. current consumption		10A at 24V DC			
Max. power consumption		240W			
Interfaces		USB, 15 pin digital I/O, Anybus Optional RS485, RS232, Profibus (additional on request)			

### TURBOVAC 350 iX



### TURBOVAC 450 iX





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