ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Leybold TURBOVAC 450iX* at our website: ***Click HERE***

Leybold
TURBOVAC iX
Turbomolecular Pumps 350 iX - 450 iX



450 iX Shown with 160 ISO-K Inlet

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

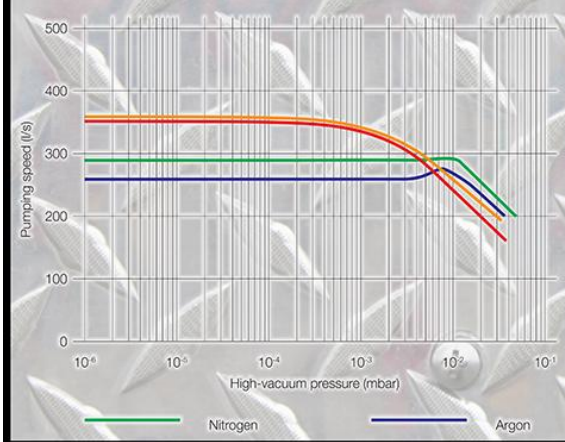
Performance
- Industry leading pumping for light gases (60% higher)
- Optimized rotor diameter for ISO flanges to provide MAX pumping performance

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

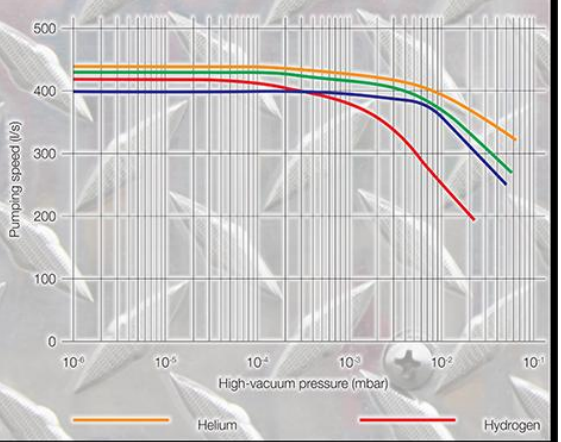
SPECIFICATIONS

		350 iX	450 iX	T 350 iX	T 450iX
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_2		290	430	290	430
Ar		260	400	260	400
He		360	440	360	440
H_2		350	420	320	400
Gas throughput	$mbar \cdot l \cdot s^{-1}$				
N_2		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_2		8.0	8.0	20.0	20.0
Compression ratio					
N_2		$1 \cdot 10^{11}$	$1 \cdot 10^{11}$	$1 \cdot 10^{10}$	$1 \cdot 10^{10}$
Ar		$1 \cdot 10^{11}$	$1 \cdot 10^{11}$	$1 \cdot 10^{11}$	$1 \cdot 10^{11}$
He		$1 \cdot 10^{8}$	$1 \cdot 10^{8}$	$1 \cdot 10^{6}$	$1 \cdot 10^{6}$
H_2		$1 \cdot 10^{6}$	$1 \cdot 10^{6}$	$1 \cdot 10^{4}$	$1 \cdot 10^{4}$
Ultimate pressure ISO-K/CF with 2-stage oil-sealed rotary vane pump	mbar	$< 10^{-8}/< 10^{-10}$			
Max. permissible forevacuum pressure for N2	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 4 B	D 16 B	D 16 B
	SCROLLVAC	SC 5 D/15 D	SC 5 D/15 D	SC 15 D/30 D	SC 15 D/30 D
	DIVAC	3.8 HV3	3.8 HV3	–	–
Supply voltage		24/48V DC ± 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



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP