PROVAC SALES
Phone: 831-462-8900 Fax: 831-462-3536 WWW.PROVAC.COM

Leybold Turbovac 850, 950 (i/iX)

Technical Specifications

		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_2	$l \cdot s^{-1}$	720	900
Ar	$l \cdot s^{-1}$	655	840
He	$l \cdot s^{-1}$	850	925
H_2	$l \cdot s^{-1}$	755	770
Gas throughput			
N_2	$mbar \cdot l \cdot s^{-1}$	14	14
Ar	$mbar \cdot l \cdot s^{-1}$	3,5	3,5
He	$mbar \cdot l \cdot s^{-1}$	21	21
H_2	$mbar \cdot l \cdot s^{-1}$	> 15	> 15
Compression ratio			
N_2		$> 1 \cdot 10^{11}$	$> 1 \cdot 10^{11}$
Ar		$> 1 \cdot 10^{11}$	$> 1 \cdot 10^{11}$
He		$1,3 \cdot 10^{8}$	$1,3 \cdot 10^{8}$
H_2		$4,4 \cdot 10^{6}$	$4,4 \cdot 10^{6}$

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Features & Benefits

- significantly higher pumping speeds
- on-site bearing replacement is possible
- stress-free operation & service
- proven reliability & consistent performance
- user friendly & highly dependable installation & operation
- robust against mechanical impact & harsh venting
- optimized rotor design for optimum pumping performance
- clean, oil-free bearings means zero contamination
- integrated electronics & options for communication & control
- variable rotor & drag stage configurations
- installation in any orientation
- low vibration & noise

Applications

- mass spectrometry • electron microscopy • surface analysis • x-ray analysis • particle accelerators • laboratory coating systems • MBE
- UHV systems • proton therapy • gamma sterilization • production of high quality implants • PVD • load loads • transfer chambers
- electron beam welders • insulation vacuum • leak detection