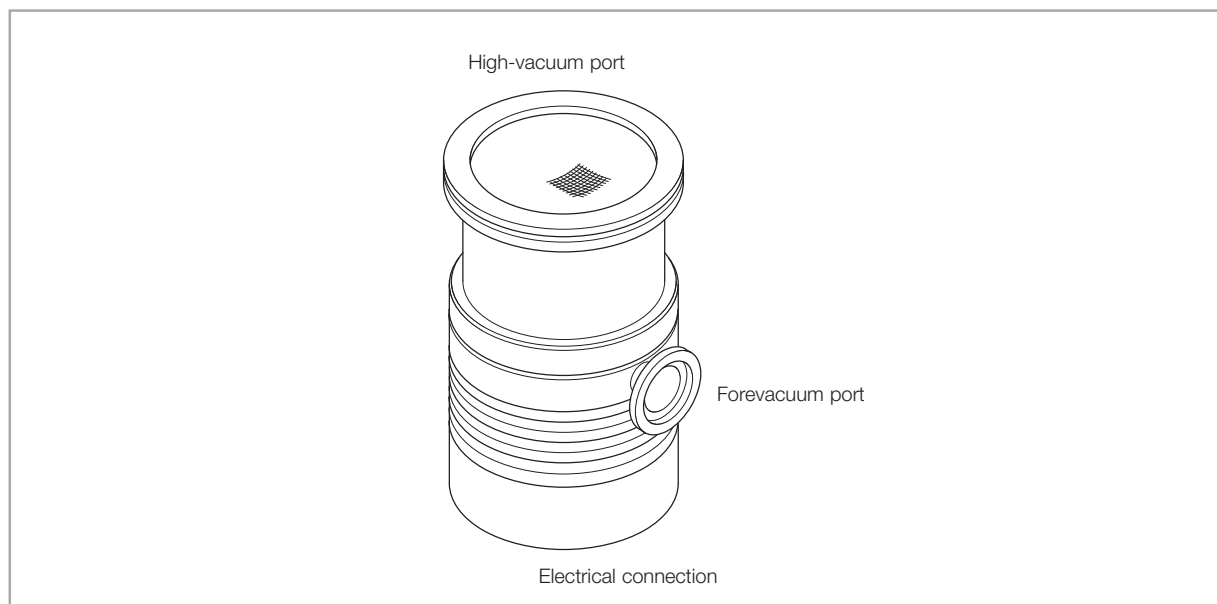


Description

TURBOVAC 50

High-vacuum port	DN	O-Ring sealed 40 KF	O-Ring sealed 63 ISO-K	Metal sealed 63 CF
Pump housing		Aluminium	Aluminium	Stainless steel
Pumping speed at 10^{-3} mbar				
N ₂	$l \cdot s^{-1}$	33	55	55
He	$l \cdot s^{-1}$	36	48	48
H ₂	$l \cdot s^{-1}$	28	30	30
Max. gas throughput in permanent operation with water cooling at 10^{-2} mbar				
N ₂	$mbar \cdot l \cdot s^{-1}$	0.30	0.40	0.40
He	$mbar \cdot l \cdot s^{-1}$	0.25	0.35	0.35
H ₂	$mbar \cdot l \cdot s^{-1}$	0.20	0.25	0.25
Max. idle compression N ₂		$2 \cdot 10^6$	$2 \cdot 10^6$	$2 \cdot 10^8$
Ultimate pressure with TRIVAC D 2,5 E	mbar	$< 5 \cdot 10^{-8}$	$< 5 \cdot 10^{-8}$	$< 2 \cdot 10^{-10}$
Max. forevacuum pressure for N ₂	mbar		$1 \cdot 10^{-1}$	
Forevacuum port	DN		16 KF	
Recommended forevacuum pump			TRIVAC D 2,5 E	
Run-up time to 95% nominal speed	min		2	
Cooling water connection (hose nozzle) (for Part No. 854 08)	mm		10	
Weight, approx.	kg		2	
Max. power consumption / at ultimate pressure W			45 / 15	
Max. ambient temperature at operation	°C		55	
Max. bakeout temperature at CF flange	°C		80	



TURBOVAC 50