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Pfeiffer TPH, TPU-110

Technical Specifications

			TPH 110	TPU 110
Intake Socket			DN 100 ISO -K	DN 100 CF
Fore-Vacuum-Socket			NW 25 KF	
Pumping speed for				
Nitrogen	N ₂	l/s		110
Helium	He	l/s		120
Hydrogen	H ₂	l/s		110
Minimum flow rate of the fore pump		m ³ /h		1,5
Compression Ratio for N ₂				3 · 10 ⁸
He				7 · 10 ³
H ₂				500
Ultimate pressure		mbar		10 ⁻¹¹
Ultimate operational pressure	1	mbar		1 · 10 ⁻¹⁰
	2	mbar		1 · 10 ⁻⁹
	3	mbar		5 · 10 ⁻⁸
Nominal speed		U/min		43.000
Start-up Cycle		min		1
Oil filling		cm ³		2 x 6
Coolant Consumption at Water Temperature 15°C		l/h		15
Rating of the heating		Watt		60
Weight of the pump		kg	6	8
Magnetic field strength rectangular to the rotor axis		mT		7



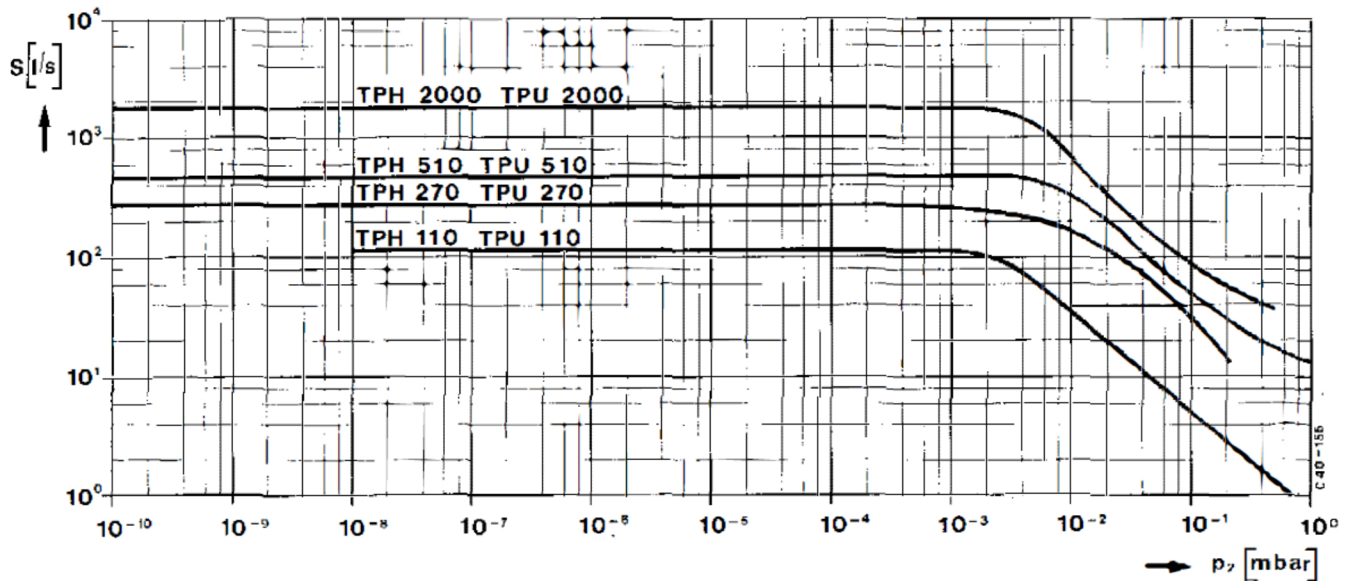
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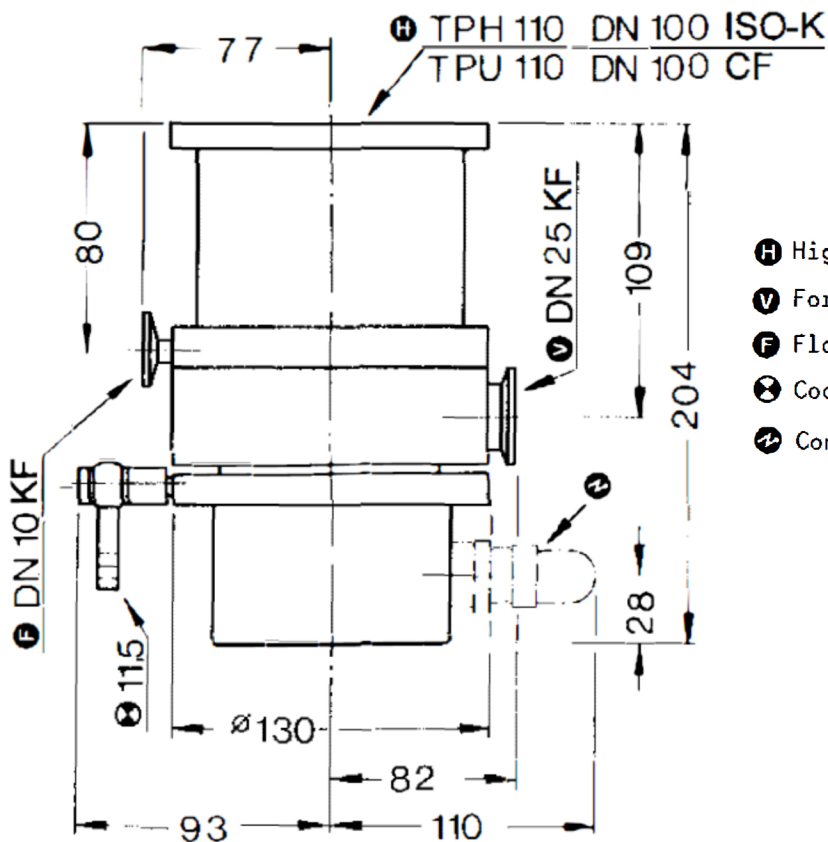
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Pfeiffer TPH, TPU-110 Pumping Curves



Dimensions



- H High-Vacuum Connection
- V Fore-Vacuum Flange
- F Flooding Connection
- X Coolant Connection
- Z Connector for Electronic Drive