



Pfeiffer Okta 1000, 1000M

Technical Specifications

Parameter	Okta 1000	Okta 1000 M
Flange (in)	DN 160 ISO-F	DN 160 ISO-F
Flange (out)	DN 100 ISO-F	DN 100 ISO-F
Nominal pumping speed	590-1775 m ³ /h	590-1775 m ³ /h
Nominal pumping speed at 50 Hz	1180 m ³ /h	1180 m ³ /h
Nominal pumping speed at 60 Hz	1420 m ³ /h	1420 m ³ /h
Differential pressure at the overflow valve	45 hPa	45 hPa
Nominal rotation speed at 50 Hz	3000 min ⁻¹	3000 min ⁻¹
Nominal rotation speed at 60 Hz	3600 min ⁻¹	3600 min ⁻¹
Rotation speed	from 1,500 to 4,500 min ⁻¹	from 1500 to 4500 min ⁻¹
Rotation speed min.	1,500 min ⁻¹	1500 min ⁻¹
Rotation speed max.	4,500 min ⁻¹	4500 min ⁻¹
Leak rate	1 · 10 ⁻³ Pa m ³ /s	1 · 10 ⁻⁶ Pa m ³ /s
Emission sound pressure level (EN ISO 2151) at intake pressure 1 hPa	72 dB (A)	72 dB (A)
Emission sound pressure level (EN ISO 2151) at intake pressure 10 hPa	75 dB (A)	75 dB (A)
Ambient temperature	5-40 °C	5-40 °C
Protection category	IP 55	IP 55
Rated power 50 Hz	3.0 kW	3.0 kW
Rated power 60 Hz	3.5 kW	3.5 kW
Version	Standard with motor	Standard with motor and magnetic coupling
Shipping and storage temperature	-10-+40 °C	-10-+40 °C
Operating fluid filling	2.9 l	2.9 l
Weight: with motor	240 kg	265 kg
Cooling method, standard	Air	Air



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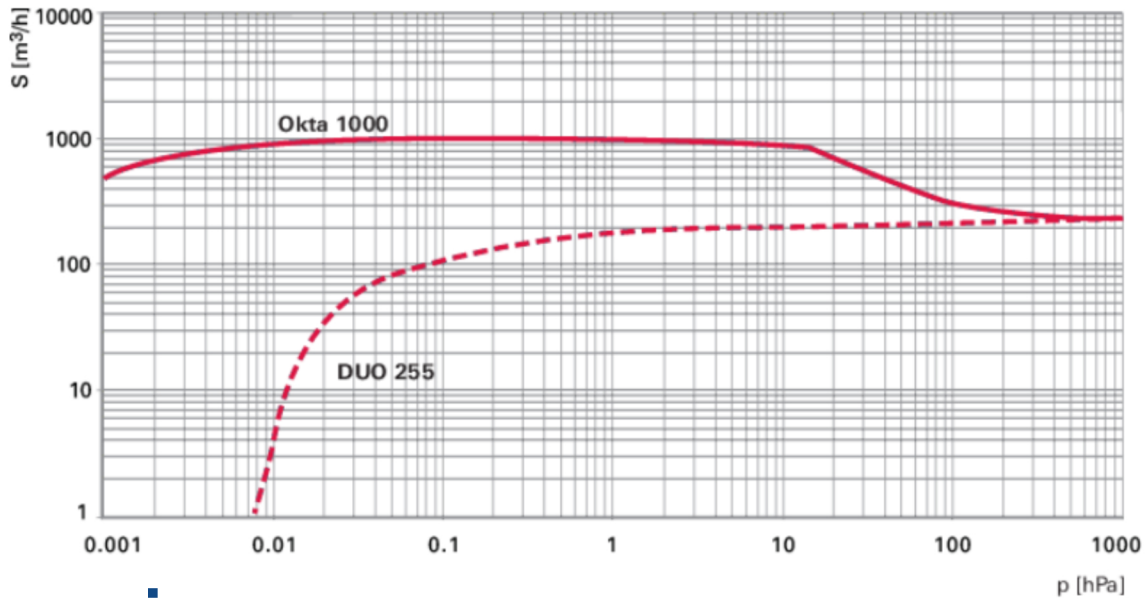
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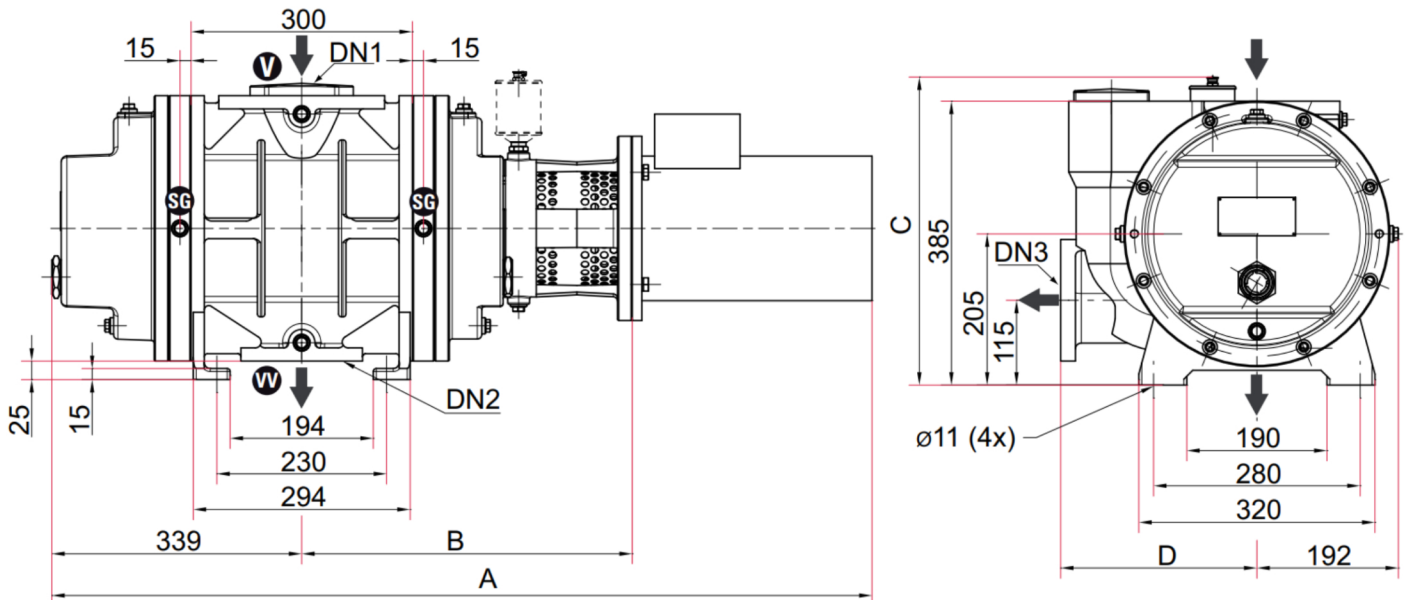
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Pfeiffer Okta 1000, 1000M Pumping Curves



Dimensions



	Okta 1000 standard with motor	Okta 1000 pressure surge resistant with motor	Okta 1000 M standard with motor & magnetic coupling	Okta 1000 M pressure surge resistant with motor & magnetic coupling
A	1112 mm	1112 mm	1125 mm	1123 mm
B	448 mm	448 mm	461 mm	461 mm
C	418 mm	418 mm	-	-
D	266 mm	266 mm	266 mm	266 mm
DN1	DN 160 ISO-F	DN 150 PN16	DN 160 ISO-F	DN 150 PN 16
DN2	DN 100 ISO-F	DN 100 PN16	DN 100 ISO-F	DN 100 PN 16



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Pfeiffer Okta 1000, 1000M Features & Benefits

- low operating costs
- convection cooling
- magnetic coupling
- rugged, compact design
- optimum flexibility and maximum process suitability
- fast evacuation thanks to high compression ratio & overflow valve
- maintenance free, maximum reliability & highest uptime
- integral overflow valve prevents thermal overload
- long service intervals & simple on-site maintenance

Applications

- metallurgy • simulation chambers • packaging industry • freeze & vacuum-drying • thin-film technology • electron beam welding
- load-locks • chemistry & process technology • industrial leak detection systems • steel degassing

