



# Okta 2000

Roots pump with a pumping speed of 1,075 to 3,230 m<sup>3</sup>/h:





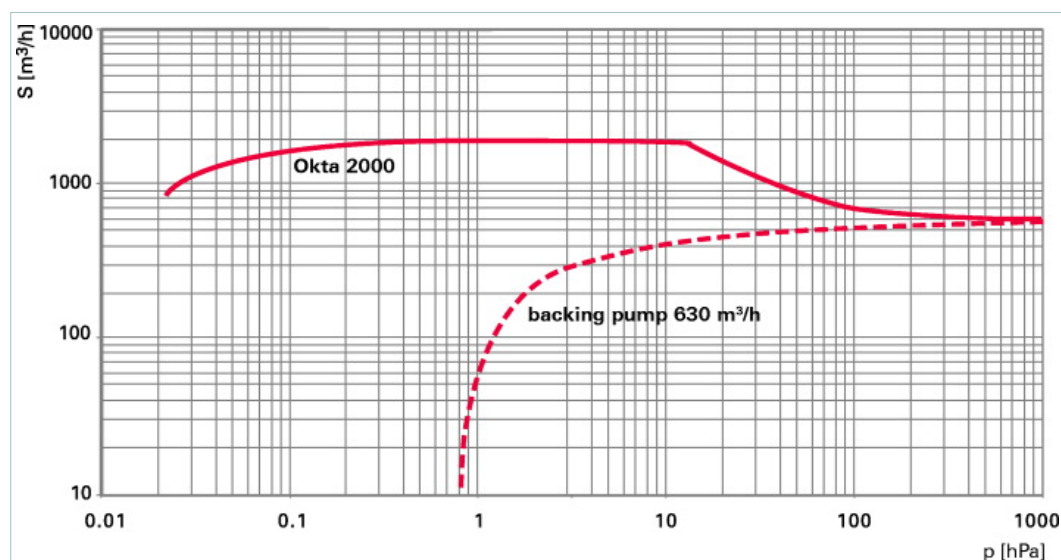
Similar Image

## Okta 2000, Roots pump without motor

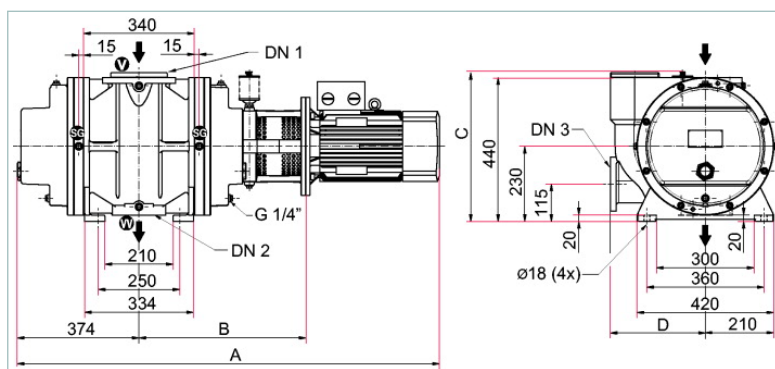
- High-performance Roots pump with a pumping speed of 1,075 to 3,230 m<sup>3</sup>/h
- Without motor (coupling and motor lantern are included in delivery)
- No thermal overload thanks to integral overflow valve
- For applications in the low and medium vacuum

Okta = Standard pumps with radial shaft sealing rings, housing parts made of gray cast iron or nodular graphite cast iron, flange connection in accordance with ISO-F

Okta M = Standard pumps, hermetically sealed thanks to magnetic coupling, housing parts made of gray cast iron nodular graphite cast iron, flange connection in accordance with ISO-F



### Dimensions



B	513 mm
C	458 mm
D	292 mm
DN 1	DN 160 ISO-F
DN 2	DN 100 ISO-F
DN 3	DN 100 ISO-F

Technical Data	Okta 2000, Roots pump without motor
Ambient temperature	5-40 °C   41-104 °F   278-313 K
Cooling method, standard	Air
Differential pressure at the overflow valve	35 hPa   26.25 Torr   35 mbar
Emission sound pressure level (EN ISO 2151) at intake pressure 10 hPa	75 dB (A)
Emission sound pressure level (EN ISO 2151) at intake pressure 1 hPa	72 dB (A)
Flange (in)	DN 160 ISO-F

Technical Data	Okta 2000, Roots pump without motor
Flange (out)	DN 100 ISO-F
Leak rate	$1 \cdot 10^{-3} \text{ Pa m}^3/\text{s}$   $7.5 \cdot 10^{-3} \text{ Torr l/s}$   $1 \cdot 10^{-2} \text{ mbar l/s}$
Nominal pumping speed	1075-3230 $\text{m}^3/\text{h}$
Nominal pumping speed at 50 Hz	2155 $\text{m}^3/\text{h}$
Nominal pumping speed at 60 Hz	2585 $\text{m}^3/\text{h}$
Nominal rotation speed at 50 Hz	3000 $\text{min}^{-1}$
Nominal rotation speed at 60 Hz	3600 $\text{min}^{-1}$
Operating fluid	P3
Operating fluid filling	5 l
Protection category	IP 55
Rotation speed	from 1,500 to 4,500 $\text{min}^{-1}$
Rotation speed max.	4,500 $\text{min}^{-1}$
Rotation speed min.	1,500 $\text{min}^{-1}$
Version	Standard without motor
Weight: without motor	290 kg   639.33 lb

Order number	
Okta 2000	PP W61 001

Accessories	
<b>Accessories</b>	
Oil level monitoring 20-250 V AC for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M, G 1 1/4	PK 004 930 -U
Oil level monitoring 24 V DC for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M, G 1 1/4	PK 005 639 -U
<b>Adjusting elements for fastening the feet.</b>	
Setting elements for foot mounting for Okta 2000 / M / Okta 4000 / M / Okta 6000 / M / Okta 1500 G, 29 mm	PP 144 118 -T
<b>Blank flange sets</b>	
Blank flange set (Stainless steel) for Okta 1000 / M / ATEX / Okta 2000 / M / ATEX, DN PN16/PN10	PP 043 885 -T
Blank flange set (Stainless steel) for Okta 1000 / M / Okta 2000 / M, DN ISO-K	PP 043 884 -T
Blank flange set for Okta 1000 / M / Okta 2000 / M, Stainless steel	PP 043 883 -T
<b>DN ISO-F</b>	
Mounting bolts (Stainless steel) for Okta 1000 / M / Okta 1000 / M, Okta 2000 / M, DN ISO-F	PP 043 878 -T
Mounting bolts (Zinc-plated Steel) for Okta 1000 / M / Okta 1000 / M, Okta 2000 / M, DN ISO-F	PP 043 873 -T
<b>DN ISO-K</b>	
Claw set (Stainless steel) for Okta 1000 / M / Okta 1000 / M, Okta 2000 / M, DN ISO-K	PP 043 879 -T
Claw set (Zinc-plated Steel) * for Okta 1000 / M / Okta 1000 / M, Okta 2000 / M, DN ISO-K	PP 043 881 -T
Claw set (Zinc-plated Steel) for Okta 1000 / M / Okta 1000 / M, Okta 2000 / M, DN ISO-K	PP 043 880 -T
<b>DN PN16/PN10</b>	
Mounting bolts (Zinc-plated Steel) for Okta 2000 / M / ATEX, DN PN16/PN10	PP 144 117 -T
<b>Frequency converter</b>	
Frequency converter (Complete with control box) Okta 2000 / M	PP 078 304 -T
<b>Gear chamber evacuation</b>	
Gear box exhaust (Flexible hose) for Okta 2000 / M, G 3/8 (3x)	PP 144 121 -T
Gear box exhaust (Plastic hose) for Okta 2000 / M, G 3/8 (3x)	PP 144 120 -T
<b>Oil compensating line (with oil level monitoring)</b>	
Oil compensating line with oil level monitoring for Okta 2000 / M, G 3/8 (4x), G 1 1/4 (1x)	PP 031 448 -T
<b>Purge gas kit</b>	
Sealing gas kit for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M / Okta 8000 / Okta 1500 G / Okta 4000 G / Okta 8000 G, G 3/8 (4x)	PP 027 401 -T
<b>Sealing kits</b>	
Centering ring with outer ring for vacuum flange for Okta 1000 / M / Okta 2000 / M, DN ISO-F	PF 303 116 -T
Centering ring with outer ring for vacuum flange for Okta 500 / M / Okta 500 G, DN ISO-F	PF 303 110 -T
Seal kit (FKM) for Okta 1000 / M / ATEX, DN PN16/PN10	PP 043 886 -T
<b>Splinter shield</b>	
Splinter shield for Okta 1000/1000 M/1500 G/2000/2000 M	PP 031 114 -X
Splinter shield for Okta 1000/2000 AD-Series	PP 031 115 -X

Accessories	
<b>Sprayer</b>	
Sprayer DN ISO-F for Okta 1000 / M / Okta 2000 / M	PP 031 252 -T
Sprayer DN PN16/PN10 for Okta 1000 / M / Okta 2000 / M / Okta 1500 G	PP 031 243 -T
<b>Temperature sensor</b>	
Temperature sensor for Okta 250 / M / Okta 500 / M / Okta 1000 / M / Okta 2000 / M / Okta 4000 / M / Okta 6000 / M / Okta 500 G / Okta 1500 G / Okta 4000 G, G 3/8	PP 041 457 -T
<b>Consumables</b>	
P3, mineral oil, 1 l	PK 001 106 -T
P3, mineral oil, 5 l	PK 001 107 -T