

# ROTARY-VANE PUMPS

## RE 16 AND RZ 16



**Outstanding high-performance rotary-vane pumps. For pumping of large volumes of gases or evacuation of vessels. Flexible and comprehensive accessories for use in chemistry laboratories.**



RZ 16

### SPECIAL ADVANTAGES

- High pumping speed, even near ultimate vacuum
- High water vapour tolerance
- Vacuum-tight switch-off without need for anti-suckback valve
- Reliable start-up even at low temperatures; less energy consumption
- Large oil volume: long intervals between oil changes
- Ease of maintenance due to telescopic design
- Optional full-flow oil filter

### RE 16 one-stage

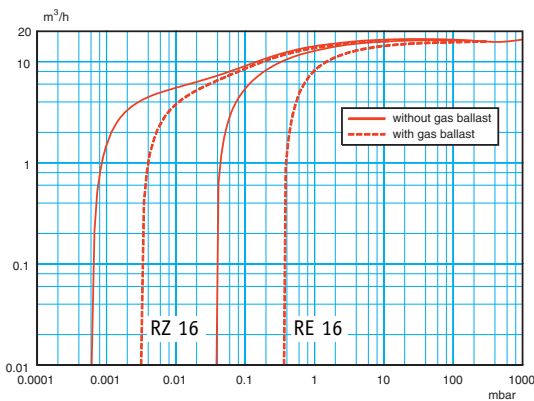
..... **16.6** m<sup>3</sup>/h  
 ..... **11.2** cfm  
 ..... **318** l/min

... **1 x 10<sup>-1</sup>** mbar  
**0.75 x 10<sup>-1</sup>** Torr

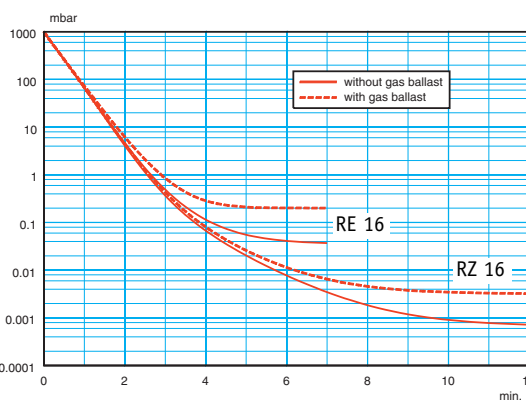
### RZ 16 two-stage

..... **16.6** m<sup>3</sup>/h  
 ..... **11.2** cfm  
 ..... **318** l/min

... **2 x 10<sup>-3</sup>** mbar  
**1.5 x 10<sup>-3</sup>** Torr



Pumping speed\* at 50 Hz



Pump down time\* for 100 l volume

### TECHNICAL DATA

		RE 16	RZ 16
Number of stages		1	2
Max. pumping speed 50/60 Hz	m <sup>3</sup> /h/cfm	16.6/19.1//11.2	16.6/19.1//11.2
Ultimate vacuum (partial) without gas ballast	mbar//Torr	1 x 10 <sup>-1</sup> //0.75 x 10 <sup>-1</sup>	4 x 10 <sup>-4</sup> //3 x 10 <sup>-4</sup>
Ultimate vacuum (total) without gas ballast	mbar//Torr	1 x 10 <sup>-1</sup> //0.75 x 10 <sup>-1</sup>	2 x 10 <sup>-3</sup> //1.5 x 10 <sup>-3</sup>
Ultimate vacuum (total) with gas ballast	mbar//Torr	6 x 10 <sup>-1</sup> //4.5 x 10 <sup>-1</sup>	1 x 10 <sup>-2</sup> //0.75 x 10 <sup>-2</sup>
Water vapour tolerance	mbar//Torr	40//30	40//30
Oil capacity (B-Oil) min.	l	0.3	0.5
max.	l	1.0	1.0
Inlet connection		small flange NW 25	small flange NW 25
Outlet connection		small flange NW 25	small flange NW 25
Motor power	kW	0.55	0.55
Nominal rpm 50/60 Hz	min <sup>-1</sup>	1500/1800	1500/1800
Dimensions (L x W x H) (height without handle)	mm	505 x 152 x 232	545 x 152 x 232
Weight (1-ph.)	kg	25.2	29

**Items supplied:** Oil-filled pump, on/off switch, overload protection and 2 m cable with plug, small-flange centring and clamping ring for inlet and outlet, particulate filter, operating instructions.

### ORDERING INFORMATION

		RE 16	RZ 16
230 V ~ 50-60 Hz, 1-ph.	plug CEE	69 70 80	69 80 50
230 V ~ 50-60 Hz, 1-ph.	plug CH	69 70 86	69 80 56
230 V ~ 50-60 Hz, 1-ph.	plug UK	69 70 87	69 80 57
120 V ~ 60 Hz, 1-ph.	plug US	-	69 80 51
400 V, 3 ~ 50 Hz, 3-ph.	plug CEE	-	69 80 52

\*Pumping speeds and pump-down times are only for information. Ultimate vacuum specification: see Technical Data.