

LEYBOJET 630

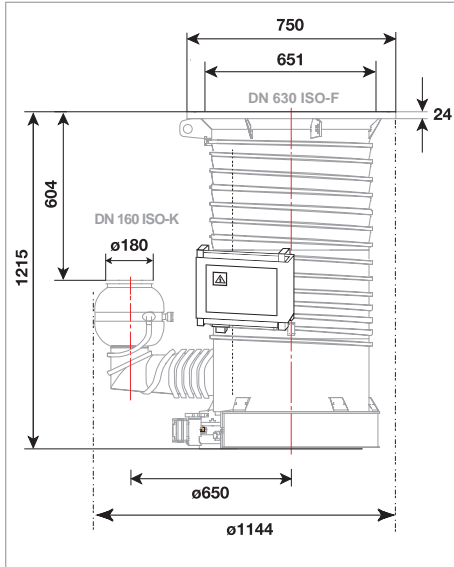
Oil Diffusion Pump for an Expanded Operating Range.

Technical Information 174.05.02

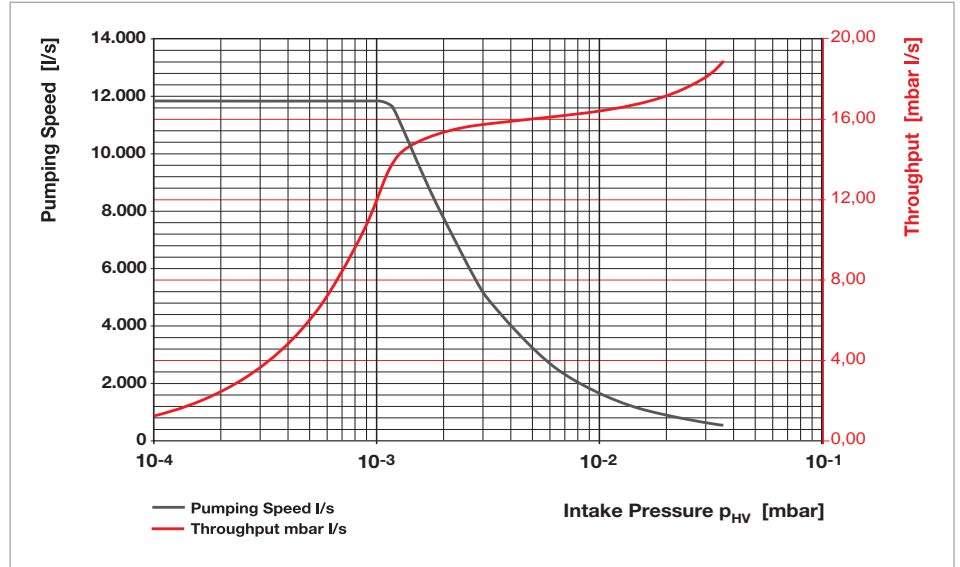


The new LEYBOJET 630

Water-cooled oil diffusion pump for a stable pumping speed also in the medium vacuum range.



Dimensional drawing: LEYBOJET 630 (in mm)



Performance data of the LEYBOJET 630: pumping speed/throughput

The oil diffusion pumps from Oerlikon Leybold Vacuum are well proven in industrial high vacuum applications.

They excel through their excellent vacuum performance data and owing to their rugged design are a reliable component in many medium and high vacuum systems.

The water-cooled LEYBOJET 630 was developed especially with the medium vacuum range in mind.

Advantages to the Customer

- High and stable pumping speed well into the medium vacuum range
- Low ultimate pressure
- Low oil backstreaming due to integrated water-cooled cold cap baffle
- High forevacuum tolerance
- Each heating cartridge is protected by a separate circuit breaker

In maintaining the well proven heating system – heating insert with thermally conducting panels and heating cartridges – the LEYBOJET 630 is now equipped with an additional ejector nozzle for the purpose of obtaining a stable pumping speed well in to the medium vacuum range.

Applications

The principal areas of application of the LEYBOJET 630 oil diffusion pump are modern sputtering processes as well as vacuum melting and drying plants.

Technical Data

		LEYBOJET 630	
High vacuum connection		DN 630 ISO-F	
Forevacuum connection		DN 160 ISO-K	
Pumping speed for air:	at $1 \cdot 10^{-2}$ mbar	l/s	1.700
	at $1 \cdot 10^{-3}$ mbar	l/s	12.000
	< $1 \cdot 10^{-4}$ mbar	l/s	12.000
Operating range		mbar	< 10^{-2}
Max. perm. forevacuum pressure		mbar	$6 \cdot 10^{-1}$
Pump fluid filling min./max.		litres	5.0 / 8.0
Mains connection		3-ph 400 V 50/60 Hz	
Heating power		kW	10.8
Number of heating cartridges		pcs.	9
Heating up time		min	< 30
Cooling water	min. throughput connection	l/h	500
		inch	G 1/2
Weight of the pump		kg	145

Accessories

Astrotorus baffle	Part No.	227 70
Overtemperature switch	Part No.	122 84
Water flow monitor	Part No.	122 83
Contact thermometer	Part No.	218 81

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