



Leybold Leybojet 630

Technical Specifications

LEYBOJET 630

High vacuum connection	DN	630 ISO-F
Forevacuum connection	DN	160 ISO-K
Pumping speed for air ¹⁾		
at 1×10^{-2} mbar	l/s	1 700
at 1×10^{-3} mbar	l/s	12 000
$< 1 \times 10^{-4}$ mbar	l/s	12 000
Operating range	mbar (Torr)	$< 10^{-2}$ ($< 0.75 \times 10^{-2}$)
Ultimate total pressure ¹⁾	mbar (Torr)	$< 5 \times 10^{-7}$ ($< 3.75 \times 10^{-7}$)
Max. permissible forevacuum pressure		
mbar (Torr)		6×10^{-1} (4.5×10^{-1})
Pump fluid filling, min. / max.	l (qts)	5.0 / 8.0 (5.3 / 8.5)
Mains connection 50/60 Hz	V	400, 3 Ph
Heating power	kW	10.8
Number of heating cartridges		9
Heating up time	min	< 30
Cooling water		
min. throughput ²⁾	l/h (gal/min)	500 (2.2)
connection	G	1/2"
Number of cooling circuits (including cold cap baffle)		2
Cooling water connection		
for pump	G (BPS)	1/2"
for cold cap baffle	G (BPS)	3/8"
Weight, approx.	kg (lbs)	145 (320)
Recommended backing pump ³⁾		
at operating pressures $> 10^{-4}$ mbar ($> 0.75 \times 10^{-4}$ Torr)		SV 200 + W 501
at operating pressures $< 10^{-4}$ mbar ($< 0.75 \times 10^{-4}$ Torr)		TRIVAC D 65 B + W 251



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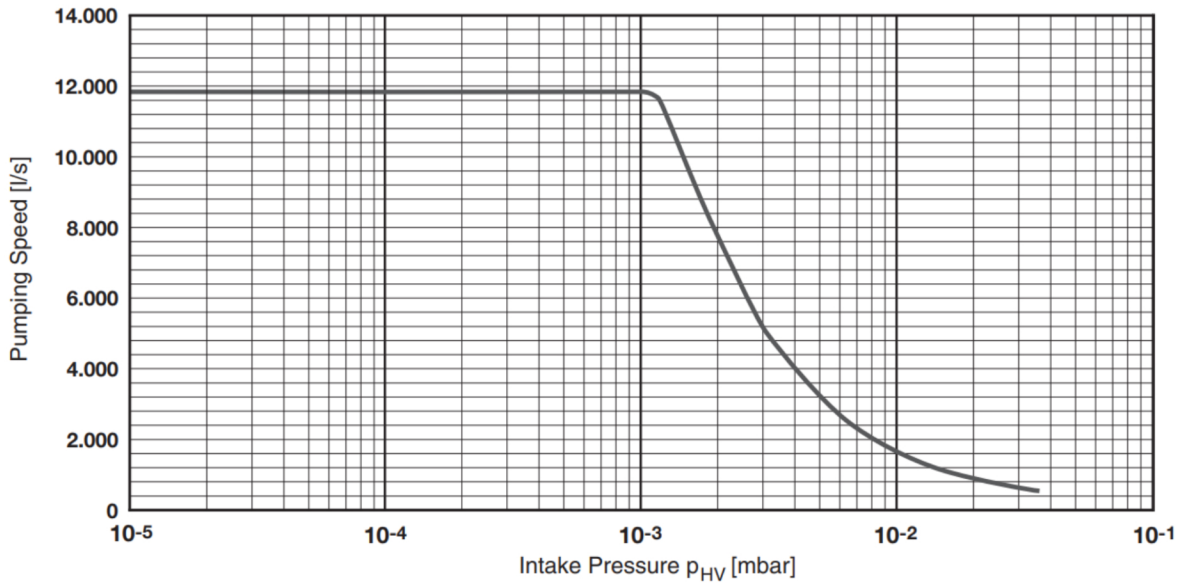
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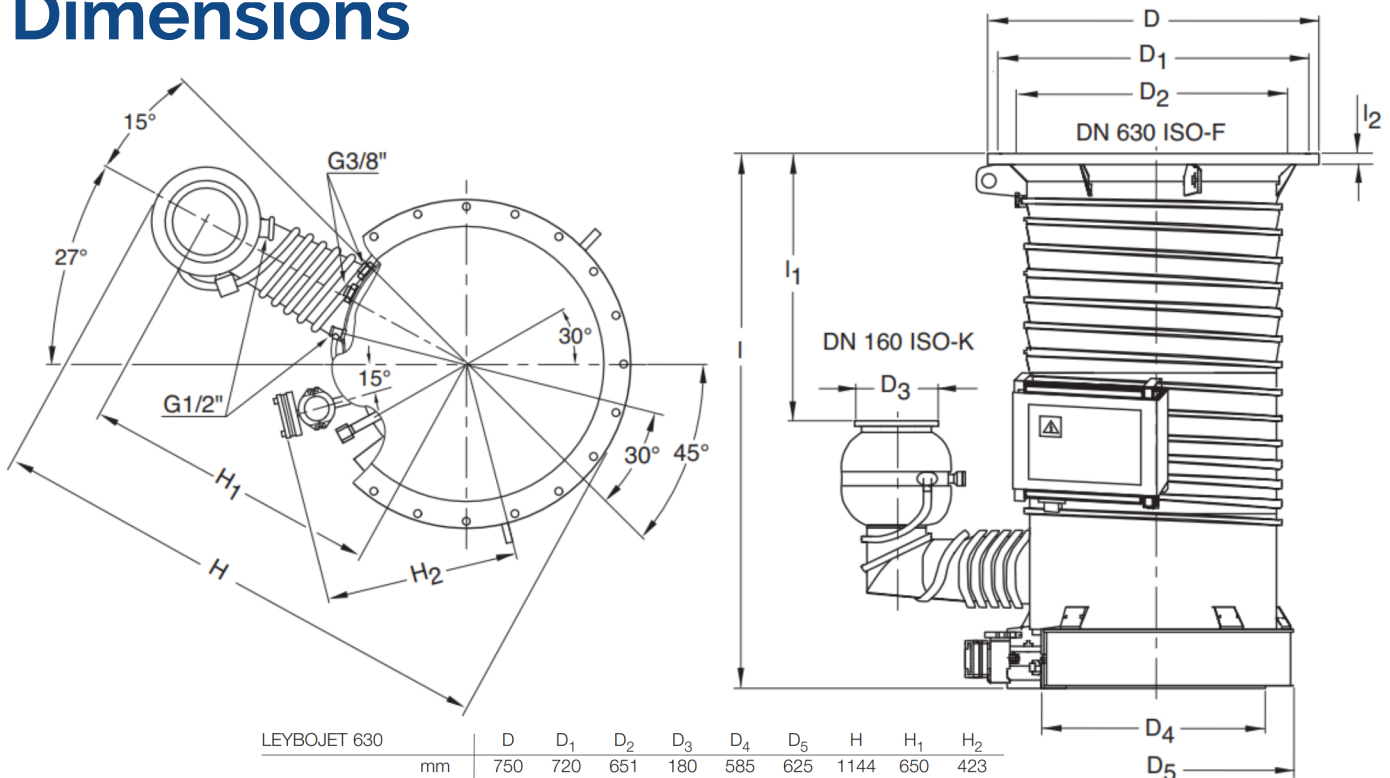
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Leybold Leybojet 630 Pumping Curves



Dimensions



LEYBOJET 630	D	D ₁	D ₂	D ₃	D ₄	D ₅	H	H ₁	H ₂
mm	750	720	651	180	585	625	1144	650	423
in.	29.53	28.35	25.63	7.09	23.03	24.61	45.04	25.60	16.65
	l	l ₁	l ₂						
mm	1215	604	24						
in.	47.83	23.78	0.94						



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Leybold Leybojet 630 Features & Benefits

- high & stable pumping speed well into medium vacuum range
- low ultimate pressure
- high forevacuum tolerance
- low oil backstreaming due to integrated water cooled cold cap baffle
- each heating cartridge protected by a separate circuit breaker
- long maintenance intervals
- simple operation

Applications

- vacuum coating • vacuum melting • drying plants • metallurgy & furnaces • research & development • mechanical engineering
- sputtering process • industrial high vacuum

