

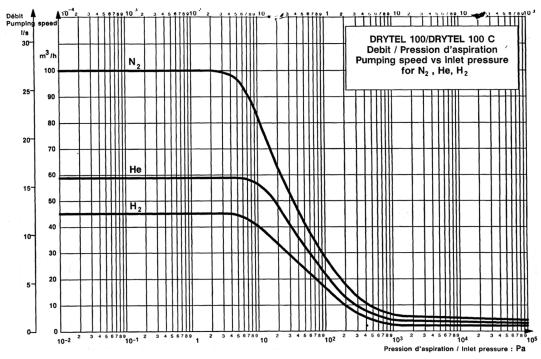
### Alcatel Drytel 100 Technical Specifications

	DRYTEL 100 and 100 C
Pumping speed for N2 ( $P \le 10^{-4}$ mbar)	100 m <sup>3</sup> /h
for He	59 m <sup>3</sup> /h
for H2	45 m <sup>3</sup> /h
Ultimate pressure	5.10 <sup>6</sup> mbar
Maximum continuous inlet pressure for 8 hours of continuous use at ambient temperature of less than 25 C (77° F) - with air cooling - with water cooling	1 mbar 10 mbar
Ultimate pressure from membrane pump	2 mbar
Maximum overpressure at exhaust	2 bars
Pump down time on a 110 liters volume	see fig. 2/2
35 liters volume	see fig. 2/3
Cooling water flowrate *	1 l/mn
Ambient temperature	
with air cooling	0 to 30° C
- with water cooling	0 to 35° C
Storage temperature	0 to 60° C
Dry nitrogen supply **	
Flowrate (50 SCCM)	83.10 <sup>-3</sup> Pa m3·s <sup>-1</sup>
Pressure (absolute)	psi 15-19
	bar 1-1.3
Admissible overpressure	2 bars

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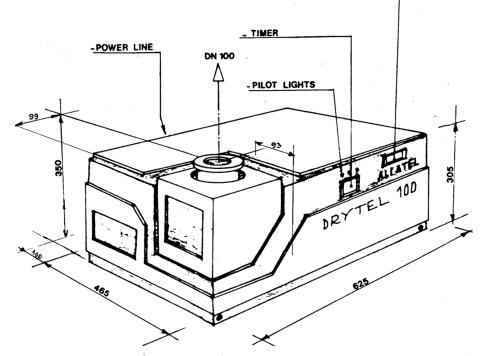


### Alcatel Drytel 100 **Pumping Curves**



- INTERRUPTER

#### **Dimensions**





# Alcatel Drytel 100 Features & Benefits

- oil-free, two stage pumping system
- includes:
  - molecular drag pump, MDP 5030CP (water or air cooled)
  - standard membranes pump
  - automatic valve to vent membrane pump
  - solid-state frequency converter & electronic controls
  - power cord
- simple, one button operation
- designed for use with high vacuum chambers as benchtop unit
- lightweight, very quiet

# Applications

- university research space research physics research laboratories
- semiconductor process analytical instruments pharmaceutical research • chemical research • development laboratories • solar indusry • space simulation • mass spectrometry • leak detection
- $\cdot$  surface analysis  $\cdot$  ion pump evacuation  $\cdot$  vacuum gauge calibration
- helium leak testing



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