



# PROVAC

## SALES

PHONE: 831-462-8900

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WWW.PROVAC.COM

# Alcatel Drytel 100

## Technical Specifications

### DRYTEL 100 and 100 C

Pumping speed for N <sub>2</sub> ( $P \leq 10^{-4}$ mbar)	100 m <sup>3</sup> /h
for He	59 m <sup>3</sup> /h
for H <sub>2</sub>	45 m <sup>3</sup> /h
Ultimate pressure	$5 \cdot 10^{-6}$ mbar
Maximum continuous inlet pressure for 8 hours of continuous use at ambient temperature of less than 25 C (77° F)	
- with air cooling	1 mbar
- with water cooling	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
<b>Dry nitrogen supply **</b>	
Flowrate (50 SCCM)	$83 \cdot 10^{-3}$ Pa m <sup>3</sup> ·s <sup>-1</sup>
Pressure (absolute)	psi 15-19 bar 1-1.3
Admissible overpressure	2 bars





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### 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 industry • space simulation • mass spectrometry • leak detection
- surface analysis • ion pump evacuation • vacuum gauge calibration
- helium leak testing

