



Alcatel 5400

Technical Specifications

- Pumping speeds at the inlet

. Nitrogen	N ₂	: 400 l/s.
. Helium	He	: 300 l/s.
. Hydrogen	H ₂	: 250 l/s.

- Compression ratios :

. N ₂	: 7.18 ⁸
. He	: 1,5.10 ⁴
. H ₂	: 1000.

- Ultimate pressure with 2 stages RP and metal seal at inlet : $\leq 1.10^{-9}$ mbar

- Roughing pump advised : 12 m³/h. (ALCATEL 2012 A) - 11 cfm.

- Rotational speed : 27 000 rpm.

- Water flow : 0,2 to 1 l/mn with a water temperature between 10 and 20° C (50 and 68° F)

- Startup : 3 mn

- Cooling water flowrate (water temperature : 15° C) : 0.2 << 0.5 l/min.

- Pump weight : 9 Kg. (20 lbs)

