



Alcatel MDP-5010

Technical Specifications



Inlet flange :

- Inlet diameter : 76 mm.
- Inlet flange : Pneurop DN 63.

Exhaust flange : Pneurop DN 16.

- Nitrogen pumping speed : 7.5 l/s
- Helium pumping speed : 4 l/s
- Hydrogen pumping speed : 3 l/s
- Compression ratio at zero nitrogen pumping speed : 10^8
- " " " " helium " : $2 \cdot 10^4$
- " " " " hydrogen " : 10^3

Ultimate pressure with 2-stage mechanical pump : 10^{-6} mbar

Maximum operating pressure at inlet, in continuous operation, during 8 hours at an ambient temperature below 25° C : ($1 \cdot 10^{-1}$ mbar)

Speed : 27 000 rpm.

Starting time : 3 minutes.

Room temperature : 0 to 35 degrees C*

Weight of pump : 2.35 kg

* Note : for a prolonged operation at a temperature between 30° and 50° C, we recommend to use a fan near the pump body.



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Alcatel MDP-5010 Pumping Curves

