



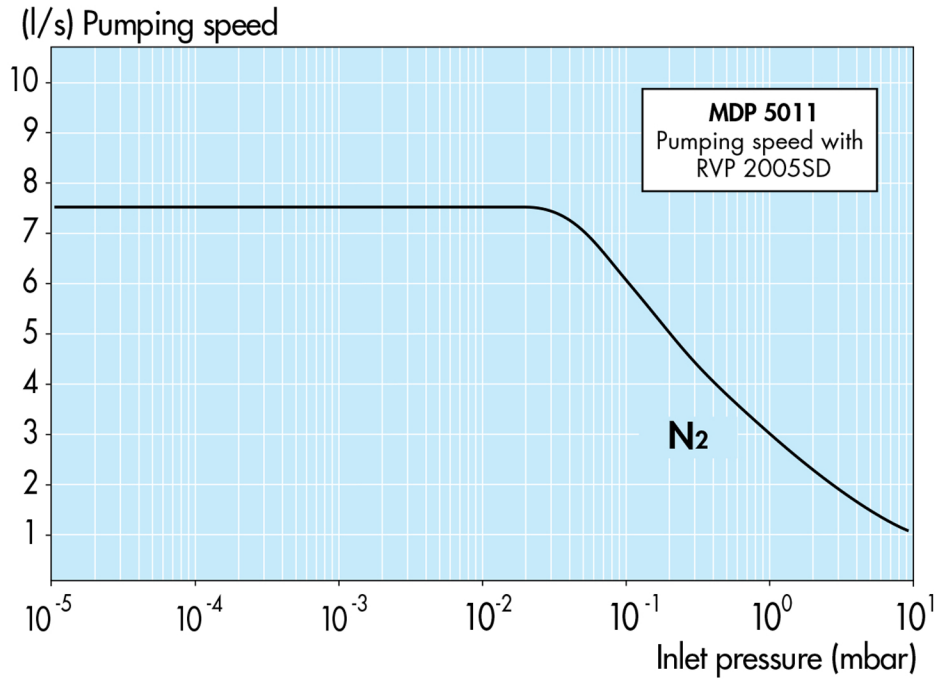
# Alcatel MDP-5011

## Technical Specifications

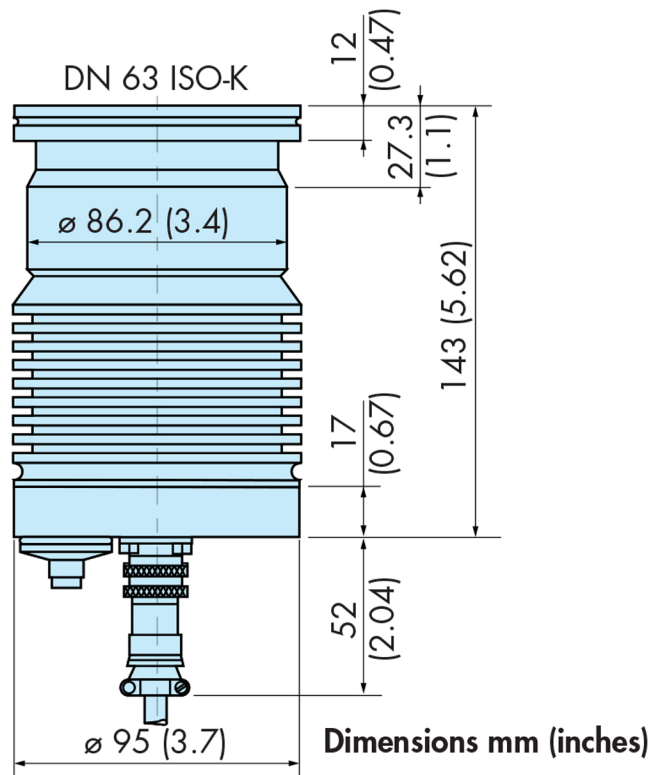
| Characteristics   |                    | Units | MDP 5011                    | MDP 5011CP        |
|---|--------------------|-------|-----------------------------|-------------------|
| Pumping speed   | N2                 | l/s   | 7.5                         |                   |
|   | He                 | l/s   | 4                           |                   |
|   | H2                 | l/s   | 3                           |                   |
| Compression ratio   | N2                 |       | 1.10 <sup>9</sup>           | 1.10 <sup>6</sup> |
|   | He                 |       | 2.10 <sup>4</sup>           | 250               |
|   | H2                 |       | 1.10 <sup>3</sup>           | 50                |
| Ultimate pressure measured to Pneuop standards with purge     | ambient air cooled | mbar  |                             |                   |
|   | forced air cooled  | mbar  | 1.10 <sup>6</sup>           | 1.10 <sup>5</sup> |
|   | water cooled       | mbar  |                             |                   |
| Maximum continuous N2 inlet pressure                          | ambient air cooled | mbar  | 1.10 <sup>1</sup>           |                   |
|   | forced air cooled  | mbar  | 10                          |                   |
|   | water cooled       | mbar  | 10                          |                   |
| Maximum exhaust pressure (pumping speed >=4m <sup>3</sup> /h) | ambient air cooled | mbar  |                             |                   |
|   | forced air cooled  | mbar  | 40                          | 5                 |
|   | water cooled       | mbar  |                             |                   |
| Recommended rotary vane pump or membrane pump                 |                    |       | ultimate pressure < 20 mbar |                   |
| Starting time   |                    | mn    | <1                          |                   |
| Rotational speed  |                    | rpm   | 27,000                      |                   |
| Maximum ambient temperature                                   | ambient air cooled | °C    | 35                          |                   |
|   | forced air cooled  | °C    | 35                          |                   |
|   | water cooled       | °C    | 50                          |                   |
| Exhaust flange  |                    |       | DN 16                       |                   |
| Controller  |                    |       | ACT 100                     |                   |
| Weight  | ambient air cooled | kg    | 2.3                         |                   |
|   | forced air cooled  | kg    | 3                           |                   |
|   | water cooled       | kg    | 2.5                         |                   |
| Controller weight   |                    | kg    | 2                           |                   |
| Power supply  |                    | V     | 100/115/200/230             |                   |
|   |                    | Hz    | 50/60                       |                   |
| Power consumption   |                    | VA    | 75                          |                   |



## Alcatel MDP-5011 Pumping Curves



## Dimensions





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## Alcatel MDP-5011

### Features & Benefits

- high exhaust pressure tolerance
- high compression ratio
- mountable in any orientation
- lightweight & compact
- low cost of ownership

### Applications

- fast evacuation of small volumes • interseal pumping • cryopump regeneration • turbo backing pump • leak detection • spectrometry
- high-quality freeze drying • light bulb/electronic tube production
- surface analysis

