

Diaphragm Compressor MK 1000 / MK 3000 bar Version V09 including drive and base plate

General description:

The Nova Swiss® MK-Diaphragm Compressor is suitable for pure gas applications. Compared to pneumatic- and hydraulic driven Intensifiers the MK compressor works without dynamic seals.

Therefore, the compressed gas is absolutely free of residuals and particles.

Different electric drives make an adaption to any requirements possible and all variants do not need expensive compressed air.

Application :

Pure gas compression up to 1000 bar or 3000 bar

Technical data:

- Medium: N₂, Ar (H₂ on request)
- Inlet pressure: 20 bar min. 200 bar max.
- Output pressure: 1000 or 3000 bar max.
- Flow rates 1000 bar*:

500 NI/h	@50 bar p in
1300 NI/h	@75 bar p in
- Flow rates 3000 bar*:

150 NI/h	@150 bar p in
780 NI/h	@190 bar p in
- Power required: 2.2 kW @ 330 rpm
- Monitoring devices: Diaphragm rupture indicator

*Measured with N₂ (flow rates for other gases and/or inlet pressures on request)

Dimensions of base plates:

- Base plate V-belt-version: 430 x 240 (mm)
- Base plate Servo-version: 540 x 320 (mm)

What kind of drives are available:

- Electric motor 380V 50 Hz with V-belt
- Electric motor 380V 50 Hz with gear box
- Servo-motor for variable speed incl. lubrication unit**

** Please ask for our separate technical data sheet



Compressor group equipped with electric motor and V-belt drive



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