

Terminal Station Dryer

MIN-DRY

*Cost effective drying
of compressed air/gas
for small capacities*

- Pressure dew-point -40°F (-40°C)
- Constantly monitored by means of a visual indicator

- No energy consumption

Typical applications:

- Instrumentation, Gas Analyzing Devices, Pneumatic Controls
- Protection of Cylinders
- Aeration of Containers



MDK
SERIES

Construction

The MIN-DRY Series MDK utilizes a disposable adsorption cartridge to effectively remove all moisture. The housing with manual drain for liquid and solid impurities is manufactured of cast aluminium and is rated at 16 bar. Our unique housing design allows the adsorption cartridge to be changed in two minutes without tools. An optional moisture indicator is available to monitor the condition of the re-activated cartridge.

Design

The performance curves of all three sizes shown in the diagram indicate the performance at inlet temperature, 100% saturation, 7 bar pressure and flow in m³. For operating pressures in excess of 7 bar, the „f“ conversion factor is to be used.

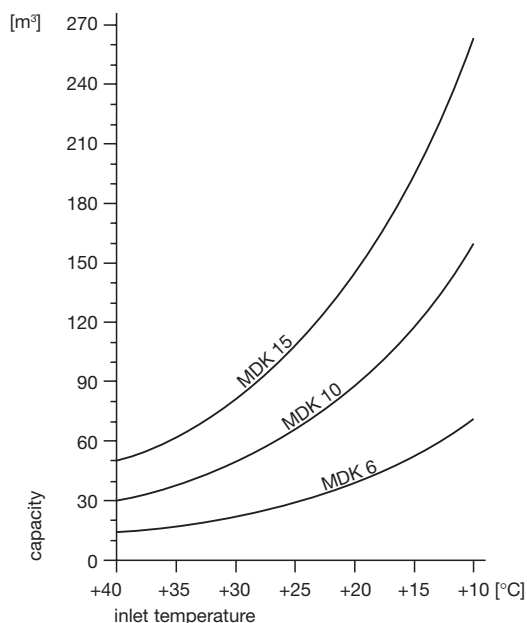
For example:

Determine capacity of dryer size MDK 10 at: + 20° C inlet, 10 bar;

Answer: 85 m³ x 1.38=117.3 m³.

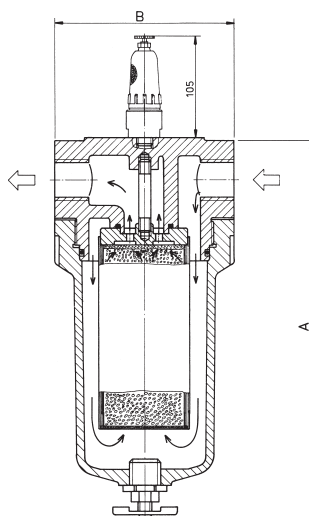
Installation instructions

The MIN-DRY Terminal Station Dryers should always be installed at a location where the compressed air is coolest to optimize performance. In order to maintain a constant, pure, high quality drying system, it is recommended that the MIN-DRY dryer system includes a Microfilter G 3 X for the complete removal of all aerosols and over saturated water vapors. In extremely sensitive areas, the system should include a G 3 Z dust filter.



Conversion factor f at other operating pressures

bar	4	5	6	7	8	9	10	11	12	13	14	15	16
f	0,63	0,75	0,88	1	1,13	1,25	1,38	1,5	1,63	1,75	1,88	2	2,13



Specifications MIN-DRY

Model	Capacity* m ³	Dimensions mm A B	Connection	Weight kg	Cartridge Type
MDK 6	29	310 140	1/2"	5.0	KT 2016
MDK 10	64	510 140	1/2"	7.3	KT 2033
MDK 15	105	710 140	1/2"	9.5	KT 2053

*Capacity in m³ referred to 1 bar in accordance to VDMA data sheet 4367

Maximum operating pressure: 16 bar, 25/40 bar on request

Housing Construction:

Cast Aluminium

Cartridge-Material:

Aluminium end caps, Stainless Screens

Filling:

Molecular Sieve 4 A.

We reserve the right to change design and dimensions.