

Head-generated adsorption dryer ATW-V 63

Rev 01_1118

Technical data sheet

Page 1 of 2

Nominal capacity (based on suction conditions 1 bar (a), 20°C)

| | |
|----------------------------------|-----------|
| Volume flow inlet | 630 m³/h |
| Volume flow outlet | 630 m³/h |
| Average regeneration air | 0 m³/h |
| Compressed air inlet temperature | 40°C |
| Ambient temperature | 25°C |
| Working pressure | 7 bar (g) |
| Pressure dew point | -40°C |

General data

| | |
|-----------------------------|------------|
| Maximum operating pressure | 11 bar (g) |
| Minimum operating pressure | 4 bar (g) |
| Maximum inlet temperature | 40°C |
| Ambient temperature minimum | 2°C |
| Ambient temperature maximum | 35°C |

Cycles

| | |
|--|---|
| Adsorption time-dependent | rigid 360, variable max 720 |
| Adsorption load-dependent | 480 minutes (option dew point control TPS required) |
| Regeneration: Expansion | rigid 20, variable 20 |
| Regeneration: Heating phase (at least) | rigid 165, variable 165 |
| Regeneration: Cooling phase (at least) | rigid 50, variable 50 |
| Pressure build-up timet | rigid 15, variable 15 |

Electrical data

| | |
|---|---|
| Electric power heater | 7,9 kW |
| Electric power vacuum pump | 1,6 kW |
| Electric power control | 0,2 kW |
| Average heater power time-dependent | 4,81 kW/h |
| Average heater power depending on load | 3,88 kW/h (option dew point control TPS required) |
| Medium vacuum pump power time dependent | 1,07 kw/h |
| Medium vacuum pump power load dependent | 0,86 kw/h (option dew point control TPS required) |
| Electrical connection | 400 |
| Frequency | 50 Hz |
| Maximum protection | 3 x 25 Ampere |
| Degree of protection switch cabinet | 54 |

Norms and key figures

| | |
|--------------------------|------------|
| Testing pressure | 16,5 bar g |
| Pressure vessel standard | 2014/68/EU |
| Fluid group | 2 |
| Category | III |
| Module | B+F |
| Sound insulation level | ISO 85 |

Head-generated adsorption dryer ATW-V 63

Rev 01_1118

Technical data sheet

Page 2 of 2

Dimensions and weights

| | |
|--|--|
| A | 2260 mm |
| C | 1450 mm |
| D | 1200 mm |
| Connection input | DN 50 PN 16 |
| Output connection | DN 50 PN 16 |
| Total weight | 860 kg |
| Vessel volume | 152 Liter |
| Connection of vacuum pump exhaust air | optionally DN 80 PN 6 (DIN 2631) or DN 80 PN 6 (DIN 24154 line 4) |

Scope of supply

| | |
|--|---|
| Ready-to-operate adsorption dryer | ATW-V 63 |
| Controls | Control cabinet with Touch Panel Siemens, S7 (standard) |
| Filling | BASF KC Trockenperlen WS / N |
| Total weight of filling | 230 kg |

Options

| | |
|-------------------------------|---|
| Dew point | TPS |
| Preliminary filter | ECOCLEAN F130SMA |
| Afterfilter | ECOCLEAN GTF130DMF |
| Connections filtration | 1 1/2" |
| Insulation | about cylindrical length of the container, heater tube and pipe bridges below |

Dimensional drawings

