

### Technical data sheet

| Nominal capacity (based on suction conditions 1 bar (a), 20°C) | Unit  | Design data |
|--|-------|-------------|
| Volume flow inlet  | m³/h  | 1000        |
| Volume flow outlet   | m³/h  | 860         |
| Average regeneration air                                       | m³/h  | 140         |
| Compressed air inlet temperature                               | °C    | 35          |
| Working pressure   | bar g | 7           |
| Pressure dew point   | °C    | -40         |
| Residual oil content   | mg/m³ | < 0,003     |

| General data                | Unit  | Design data |
|-----------------------------|-------|-------------|
| Maximum operating pressure  | bar g | 16          |
| Minimum operating pressure  | bar g | 4           |
| Maximum inlet temperature   | °C    | 50          |
| Ambient temperature minimum | °C    | 2           |

| Norms and key figures    | Unit  | Design data |
|--------------------------|-------|-------------|
| Pressure vessel standard |       | 2014/68/EU  |
| Category                 |       | IV          |
| Module                   | Type  | B+F         |
| Fluid group              |       | 2           |
| Testing pressure         | bar g | 24          |
| Sound insulation level   |       | ISO 85      |

| Scope of supply                   | Unit | Design data                              |
|-----------------------------------|------|--|
| Ready-to-operate adsorption dryer | Type | ATON 90                                  |
| Controls                          | Type | ECOMATIC                                 |
| Preliminary filter                | Type | APF163SMA                                |
| Afterfilter                       | Type | APF163DMF                                |
| Filling                           | Type | BASF Alumina / Activated carbon dedusted |
| Total weight of filling           | Kg   | 306 / 106                                |

| Options                  | Unit  |
|--------------------------|---|
| Controls                 | Dew point device ET-C                           |
|                          | Dew point device ET-P (incl. inlet air control) |
|                          | ECOMATIC24 (24 V DC version)                    |
|                          | PNC (pneumatic control)                         |
| Minimum pressure devices | AV G1“, AV G1 1/2“, AV G2“                      |

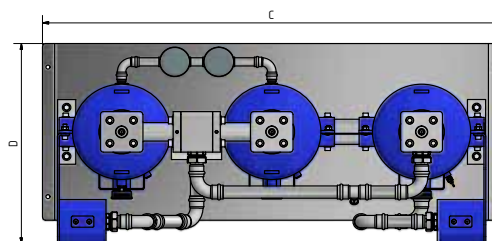
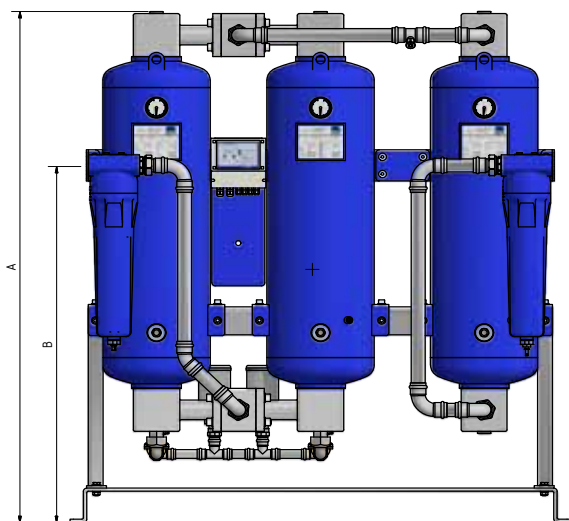
| Cycles                 | Unit | Design data |
|------------------------|------|-------------|
| Total                  | min  | 10          |
| Adsorption             | min  | 4,5         |
| Regeneration           | min  | 4,5         |
| Pressure build-up time | min  | 1           |

### Technical data sheet

| Dimensions and weights           | Unit  | Design data |
|----------------------------------|-------|-------------|
| A                                | mm    | 2109        |
| B                                | mm    | 1509        |
| C                                | mm    | 1973        |
| D                                | mm    | 870         |
| Nominal size inside the adsorber | Inch  | 2"          |
| Connection input                 | Inch  | 2"          |
| Output connection                | Inch  | 2"          |
| Total weight                     | Kg    | 1274        |
| Vessel volume                    | Liter | 212         |

| Electrical data          | Unit | Design data |
|--------------------------|------|-------------|
| Installed capacity       | W    | 32          |
| Connector                | V    | 230         |
| Control voltage          | V    | 230         |
| Rate                     | Hz   | 50 / 60     |
| Protection class housing | IP   | 54          |

### Dimensional drawings



| Correction factors |   |
|--------------------|---|
| Inlet temperature  |   |
| °C                 | < 25 25 30 35 38 40 45 48 50            |
| F(t)               | 1,2 1,1 1,09 1 0,84 0,78 0,72 0,65 0,58 |

| Correction factors working pressure |     |     |      |      |      |      |   |      |      |      |      |      |      |      |     |      |      |      |      |      |     |      |      |      |      |
|-------------------------------------|-----|-----|------|------|------|------|---|------|------|------|------|------|------|------|-----|------|------|------|------|------|-----|------|------|------|------|
| bar g                               | 4   | 4,5 | 5    | 5,5  | 6    | 6,5  | 7 | 7,5  | 8    | 8,5  | 9    | 9,5  | 10   | 10,5 | 11  | 11,5 | 12   | 12,5 | 13   | 13,5 | 14  | 14,5 | 15   | 15,5 | 16   |
| F(p)                                | 0,6 | 0,7 | 0,74 | 0,82 | 0,89 | 0,97 | 1 | 1,08 | 1,11 | 1,16 | 1,22 | 1,29 | 1,36 | 1,42 | 1,5 | 1,57 | 1,63 | 1,69 | 1,75 | 1,83 | 1,9 | 1,96 | 2,03 | 2,1  | 2,14 |

Please multiply the capacity with the correction factors in the above table