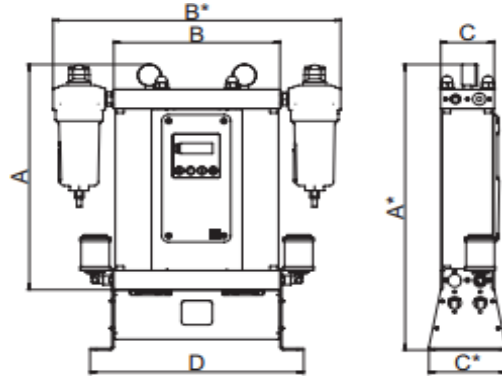


## A-DRY series

### HEATLESS REGENERATION ADSORPTION COMPRESSED AIR DRYERS

operating pressure 4 to 16 bar



#### INCLUDED

- pre-filter with automatic drain AOK16B and manometer PDI 16 (are not mounted)
- after-filter with manual drain MCD and manometer PDI 16 (are not mounted)
- controller includes standard connection for dew point sensor (sensor is not included)

| A-DRY SERIES |          |               |                                         |                                          |            |         |        |         |        |         |        |       |
|--------------|----------|---------------|-----------------------------------------|------------------------------------------|------------|---------|--------|---------|--------|---------|--------|-------|
| A-DRY MODEL  | CODE     | Connection    | Nominal volume flow                     |                                          | Dimensions |         |        |         |        |         |        | Mass  |
|              |          | IN/OUT [inch] | Inlet <sup>1</sup> [Nm <sup>3</sup> /h] | Outlet <sup>2</sup> [Nm <sup>3</sup> /h] | A [mm]     | A* [mm] | B [mm] | B* [mm] | C [mm] | C* [mm] | D [mm] | kg    |
| A-DRY 06     | 12000289 | G3/8"         | 6                                       | 4.7                                      | 339        | 520     | 280    | 480     | 100    | 130     | 354    | 10.5  |
| A-DRY 12     | 12000294 | G3/8"         | 12                                      | 9.4                                      | 573        | 715     | 280    | 480     | 100    | 130     | 354    | 13.5  |
| A-DRY 24     | 12000306 | G3/8"         | 24                                      | 19                                       | 1041       | 1105    | 280    | 480     | 100    | 130     | 354    | 19    |
| A-DRY 36     | 12000307 | G3/8"         | 36                                      | 28.4                                     | 1509       | 1495    | 280    | 480     | 100    | 130     | 354    | 27.5  |
| A-DRY 60     | 12000308 | G1/2"         | 60                                      | 47.4                                     | 1041       | 1105    | 370    | 570     | 148    | 170     | 434    | 45    |
| A-DRY 75     | 12000309 | G1/2"         | 75                                      | 59.3                                     | 1275       | 1300    | 370    | 570     | 148    | 170     | 434    | 53    |
| A-DRY 105    | 12000310 | G3/4"         | 105                                     | 83                                       | 1743       | 1700    | 370    | 570     | 148    | 170     | 434    | 70    |
| A-DRY 150    | 12000356 | G1"           | 150                                     | 118.5                                    | 1345       | 1440    | 440    | 725     | 198    | 240     | 570    | 170.5 |
| A-DRY 200    | 12000357 | G1"           | 200                                     | 158                                      | 1538       | 1655    | 440    | 725     | 198    | 240     | 570    | 182.2 |

(<sup>1</sup>) Refers to 1 bar(a) and 20 °C at 7 bar operating pressure, inlet temperature 35 °C and pressure dew point at outlet -40 °C

(<sup>2</sup>) Outlet flow refers to typical assumption during regeneration phase for operating at nominal inlet flow conditions. Outlet flow includes average air losses of approximately 17,3 %

\* If dryer is supplied without inlet filter compressed air class 1 (ISO 8753-1) for solid particles and oil should be provided to the inlet of the dryer.

#### OPTIONAL EQUIPMENT

| EQUIPMENT TYPE                                | CODE     |
|-----------------------------------------------|----------|
| Dew point sensor Easidew                      | 2505872  |
| Dew point sensor mesurment chamber            | 2505628  |
| Controller ADC 2.2                            | 3401201  |
| Output 4...20mA                               | 2506522  |
| WebServer Acces (Available only with ADC 2.2) | 2506523  |
| A-dry 06-36 wall mounting kit                 | 12001549 |

Due to constan engineering improvements data is subject to change

| OPERATING PRESSURE - CORRECTION FACTORS - C <sub>OP</sub> |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |  |
|-----------------------------------------------------------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|--|
| Operating pressure [bar]                                  | 2    | 3   | 4    | 5    | 6    | 7   | 8    | 9    | 10   | 11  | 12   | 13   | 14   | 15  | 16   |  |
| Operating pressure [psi]                                  | 29   | 44  | 58   | 72   | 87   | 100 | 115  | 130  | 145  | 160 | 174  | 189  | 203  | 218 | 232  |  |
| Correction factor                                         | 0.38 | 0.5 | 0.63 | 0.75 | 0.88 | 1   | 1.13 | 1.25 | 1.38 | 1.5 | 1.63 | 1.75 | 1.88 | 2   | 2.13 |  |

| OPERATING TEMPERATURE - CORRECTION FACTORS - C <sub>OT</sub> |    |    |    |      |      |      |
|--------------------------------------------------------------|----|----|----|------|------|------|
| Inlet temperature [°C]                                       | 25 | 30 | 35 | 40   | 45   | 50   |
| Correction factor                                            | 1  | 1  | 1  | 0.97 | 0.87 | 0.80 |

| DEW POINT - CORRECTION FACTORS - C <sub>D</sub> |     |     |     |
|-------------------------------------------------|-----|-----|-----|
| [°C]                                            | -25 | -40 | -70 |
| C <sub>D</sub>                                  | 1.1 | 1   | 0.7 |