

## SUB FREEZING AIR DRYER

### MODEL:

**SFD420**

Rated capacity\*

|                        |                   |             |                                            |
|------------------------|-------------------|-------------|--------------------------------------------|
| Flow rate              | m <sup>3</sup> /h | 420         |                                            |
|                        | l/min             | 7000        |                                            |
|                        | cfm               | 247,2       |                                            |
| Inlet air temperature  | °C / °F           | 35 / 95     | (Min 20/68 - Max 50/122)                   |
| Outlet air temperature | °C / °F           | 30 / 86     | (Min 15/59 - Max 45/113)                   |
| Ambient temperature    | °C / °F           | 25 / 77     | (Min 5/41 - Max 45/113)                    |
| Working pressure       | bar / psi         | 7,0 / 101,5 | (Min 2,5/36 - Max 14/203)                  |
| Pressure drop          | bar / psi         | 0,20 / 2,90 | (Max 0,34/4,93)                            |
| Pressure dew point     | °C / °F           | -20 / -4    | Not assured in case of "Intermittent Flow" |

|                         |                                |           |                  |
|-------------------------|--------------------------------|-----------|------------------|
| Power supply            | V/Ph/Hz                        | 400/3/50  | (±10% / -- / ±1) |
| Rated power consumption | kW                             | 1,78      | (Max 4,01)       |
| Rated adsorption        | A                              | 3,9       | (Max 7,18)       |
| Lock Rotor Ampere       | A                              | 30,0      |                  |
| Weight                  | kg / Lbs                       | 352 / 776 |                  |
| Air connections         | IN/OUT                         | 1"½ BSP   |                  |
| Coolant type            | Freon / kg / t CO <sub>2</sub> |           |                  |

### Standard features

|                    |                        |                        |                          |
|--------------------|------------------------|------------------------|--------------------------|
| Control panel:     | Electronic system type | Separator type:        | Demister type            |
| Condenser cooling: | Air cooled             | Compressor type:       | Hermetic type            |
| Ventilator motor:  | Suction fan            | Installation location: | Indoor                   |
| Heat exchanger:    | Aluminium brazed plate | Drain discharge:       | Integrated no loss drain |
| Expansion method:  | Capillary tube         | Electric protection:   | IP 42                    |

\* Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, -20°C (-4°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature.

### Performance and specifications + / - 5%

|                                                                                     |         |                                                                                     |                   |                                                                                       |          |
|-------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|----------|
|  | Air in  |  | Power supply      |  | Air flow |
|  | Air out |  | Condensate outlet |                                                                                       |          |

