

# Heated Purge Twin Towers Regenerative Air dryer

## Desiccant RDH Dryer Series

| Model     | Nominal Flow Rate at 7 barg and 38 <sup>o</sup> C | Dimension (mm) |       |        | Air Connection Size | Power Supply  | Maximum Installation Power | Maximum Working Pressure | Recommended Pre-Filter Model | Recommended Post-Filter Model |
|-----------|---|----------------|-------|--------|---------------------|---------------|----------------------------|--------------------------|------------------------------|-------------------------------|
|           | M <sup>3</sup> /Min                               | length         | width | height |                     |               | Kw                         | bar                      |                              |                               |
| RDH- 60   | 6   | 1450           | 750   | 2210   | DN50                | 380V/3Ph/50Hz | 4                          | 10                       | RPF-AA-145                   | RPF-AR-145                    |
| RDH - 80  | 8   | 1450           | 750   | 2210   | DN50                | 380V/3Ph/50Hz | 4                          | 10                       | RPF-AA-145                   | RPF-AR-145                    |
| RDH - 100 | 10  | 1550           | 750   | 2420   | DN50                | 380V/3Ph/50Hz | 7                          | 10                       | RPF-AA-220                   | RPF-AR-220                    |
| RDH - 120 | 12  | 1550           | 750   | 2420   | DN50                | 380V/3Ph/50Hz | 7                          | 10                       | RPF-AA-220                   | RPF-AR-220                    |
| RDH - 150 | 15  | 1550           | 750   | 2570   | DN50                | 380V/3Ph/50Hz | 9                          | 10                       | RPF-AA-330                   | RPF-AR-330                    |
| RDH - 200 | 20  | 1750           | 800   | 2680   | DN65                | 380V/3Ph/50Hz | 11                         | 10                       | RPF-AA-330                   | RPF-AR-330                    |
| RDH - 250 | 25  | 1810           | 900   | 2700   | DN65                | 380V/3Ph/50Hz | 13                         | 10                       | RPF-AA-430                   | RPF-AR-430                    |
| RDH - 300 | 30  | 1950           | 900   | 2750   | DN80                | 380V/3Ph/50Hz | 16                         | 10                       | RPF-AA-620                   | RPF-AR-620                    |
| RDH - 350 | 35  | 1950           | 900   | 2870   | DN80                | 380V/3Ph/50Hz | 19                         | 10                       | RPF-AA-620                   | RPF-AR-620                    |
| RDH - 400 | 40  | 1950           | 1000  | 2870   | DN80                | 380V/3Ph/50Hz | 22                         | 10                       | RPF-AA-620                   | RPF-AR-620                    |
| RDH - 500 | 50  | 2310           | 1100  | 2870   | DN100               | 380V/3Ph/50Hz | 28                         | 10                       | RPF-AA-830                   | RPF-AR-830                    |
| RDH - 600 | 60  | 2310           | 1500  | 3000   | DN100               | 380V/3Ph/50Hz | 31                         | 10                       | RPF-AA-1200                  | RPF-AR-1200                   |

Desiccant media type : Activated Alumina , Molecular Sieves

Correction Factors     Actual Capacity (m<sup>3</sup>/min) = Nominal Capacity × F1 × F2

|                        |      |      |      |     |      |      |      |
|------------------------|------|------|------|-----|------|------|------|
| Working Pressure (F1)  | barg | 5    | 6    | 7   | 8    | 9    | 10   |
|                        | CFP  | 0.75 | 0.87 | 1   | 1.13 | 1.25 | 1.38 |
| Inlet Temperature (F2) | °C   | 35   | 38   | 40  | 42   | 45   |      |
|                        | CFT  | 1.18 | 1    | 0.9 | 0.81 | 0.69 |      |

### Rated Conditions

Working pressure : 7barg  
 Inlet temp : 38 °C  
 Ambient temp : 38°C  
 PDP : -40 °C

### Working Range

Max. working pressure : 10 barg  
 Max. inlet temperature : 50 °C

### Available

Dewpoint : customer selectable and ISO 8573-2010 ( Class 1,2,3 ) are available.