Adsorption Dryer Heatless Regenerated

The scope of application for compressed air dried by adsorption dryers are generally outdoor installations that are at risk of frost and compressed air applications with very high requirements in terms of the degree of dryness, such as process air in the food, electronic, pharmaceutical, chemical, measuring and process technology industries. Adsorption dryers are used both in centralized and decentralized compressed air treatment due to their unrestricted scalability.

Adsorption dryers remove the moisture directly from the compressed air. The desiccant used in adsorption dryers binds water molecules and completely separates the moisture from the compressed air. Pressure dew-points down to -70°C can be achieved by using adsorption dryers.

Adsorption dryers are suitable for continuous operation and are available for all volume flow and pressure ranges. Heatless regenerated adsorption dryers are normally used for pressure dew-points down to -40°C. For lower pressure dew-points Heat regenerated adsorption dryers should be selected.

DPM
Achievable pressure dew-points
[-25°C] DPM / [-40°C] DPM+
Maximal volume flow
2 – 4 m³/h
Maximal operating pressure
10 bar
Connection
8 mm
Power supply
24 V DC

DPS
Achievable pressure dew-points
[-25°C] – [-70°C]
Maximal volume flow
8 – 6.290 m³/h
Maximal operating pressure
11 - 16 bar
Connection
G ⅜ – G 2 | DN 50 – DN 125
Power Supply
230 VAC

DHM
Achievable pressure dew-points
[-25°C] – [-55°C]
Maximal volume flow
160 – 2.010 m³/h
Maximal operating pressure
100 | 350 bar
Connection
G ½ - G ¾
Power supply
230 VAC

DHW
Achievable pressure dew-points
[-25°C] – [-55°C]
Maximal volume flow
40 – 1.750 m³/h
Maximal operating pressure
50 | 100 | 250 | 350 | 420 bar
Connection
G ½ - G ¾
Power supply
230 VAC