

Purge Economiser - Reduces purge loss and energy according to load requirements.

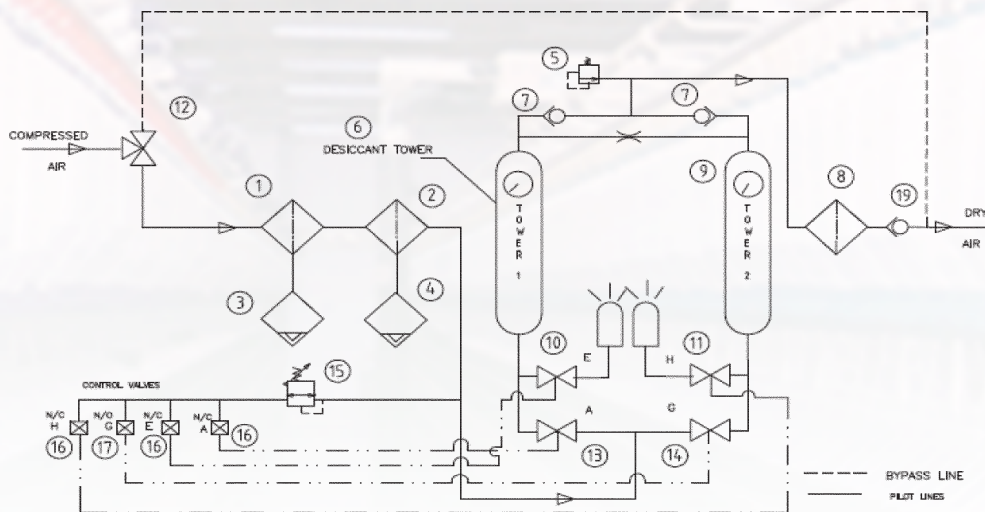
- Designed for - ISO : 7183-1986 (E)
- Dryer Quality Class - ISO : 8573-1 : 2010 (E) Class 3 (-20°C PDP)
- Pressure Drop <math><0.3 \text{ kg/cm}^2 \text{ (g)}</math>
- Fabrication Code: IS 2825.
- LCD Display.
- Particle Filter Element, Oil Filter Element & After Filter
- Maximum Working of 40 Bar
- Operating Voltage: 230 \pm 10 % V AC 50/60 Hz 1 Ph.

Compressed Air Dryers (Heatless)
DP HP Series

Principle of Operation

Drying Cycle : Moist air from the compressor is sent through the coalescing filter, there water & oil coalesces and purges through the auto drain valve. The relatively clean air with water vapor passes through the one of the towers filled with desiccant gets completely dried (upto -40°C PDP) and then passes through a built in After - filter (1 micron). The desiccant fines from the tower are completely removed and clean air is let out through the outlet port for use.

Regeneration Cycle : During the regeneration cycle, the sudden depressurisation brings out water molecule strapped in the Desiccant pores to the surface of the beads. A small portion of dry compressed air from the drying tower then passes over the desiccant through the regeneration orifice. This results in complete regeneration of the Desiccant.



Specification

Maximum Operating Pressure : 44 kg/cm² (g)

Rated Air Inlet Temperature : 38°C

Rated Operating Pressure : 40 kg/cm²

Pre - Filter Rating : 5 micron

After - Filter Rating : 1 micron

Cycle Time : 5 minutes

Purge Loss : 15 ± 1%

Outlet Air Quality : -20°C PDP

Model	Item Code	Inlet Flow cfm	End Connection	Dimensions (mm)		
				Height	Width	Depth
DP HP 72	PD092	43	½" NB	1550	650	750
DP HP 144	PD049	86	½" NB	1660	650	750

- For any other capacity contact factory.
- Specifications are subject to change without notification.



Our Other Range of Products

- Timer based Auto Drain Valve
- Level Sensing Auto Drain Valve
- Desiccant Dryer (Heated)
- Refrigeration Dryers
- Water Separator
- Submicron Filter



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