

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

Accepts dewpoint meter signal to cycle on dewpoint temperature instead of time.



- Designed For - ISO:7183-1986 (E)
- Dryer Quality Class - ISO : 8573-1 : 2010 (E) class 3 (-40 ADP)
- Pressure Drop < 0.3 kg/cm² (g)
- Fabrication Code: IS 2825 / ASME SEC VIII - Optional
- LCD Display
- Stainless Steel Internals
- Filter made of aluminium with differential pressure indicator
- Operating voltage : 100 - 253 VAC 50+5% Hz 1 Ph.



Compressed Air Dryers (Heatless)

DP V2 Series

Selection Example

Requirement :
 Flow Volume : 480 cfm
 Working Pressure : 10 Kg / cm²
 Inlet air Temperature : 50°C
 Referring the Graphs : Factor (T) = 0.74
 Factor (P) = 1.4

Dryer capacity required :

$$\frac{\text{Flow volume}}{\text{Factor (T)} \times \text{Factor (P)}} = \frac{480}{0.74 \times 1.4} = 463 \text{ cfm}$$

Choose the nearest higher model i.e, Model DP-960V2

| Model | Item Code | Inlet Flow cfm | End Connection | Dimensions (mm) | | | Weight Kg |
|-----------|-----------|----------------|----------------|-----------------|-------|-------|-----------|
| | | | | Height | Width | Depth | |
| DP-768V2 | PD328 | 450 | 2" NB | 1750 | 1320 | 850 | 850 |
| DP-960V2 | PD329 | 565 | 2" NB | 1730 | 1430 | 850 | 950 |
| DP-1440V2 | PD330 | 850 | 3" NB | 1865 | 1930 | 1000 | 1265 |
| DP-1920V2 | PD331 | 1130 | 3" NB | 1990 | 1930 | 1000 | 1575 |

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

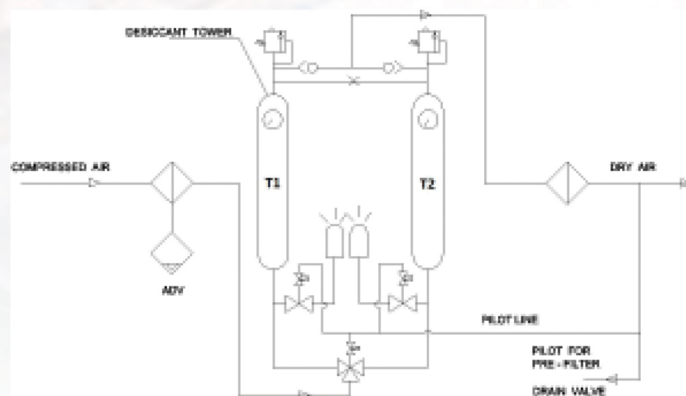
Specification

Maximum Operating Pressure : 12.5 kg/cm² (g)
 Air Inlet Temperature : 45 °C
 Operating pressure : 7 kg/cm² (g)
 Pre - Filter Rating : 5 Micron
 After - Filter Rating : 1 Micron
 Cycle Time : 10 Minutes
 Purge Loss : 12 ± 1%
 Outlet Conditions : -40°C ADP

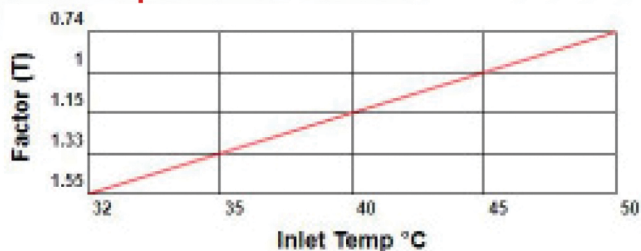
Principle of Operation

Drying Cycle : Moist air from the compressor is sent through the coalescing filter. Here water & oil coalesces and purges through the auto drain valve. The relatively clean air with water vapour passing through the aluminum drying tower filled with desiccant gets completely dried (up to -40°C ADP) and then passes through a built in after filter (1 micron). The desiccant fines from the towers are completely removed and clean dry air is let out through the outlet port for use.

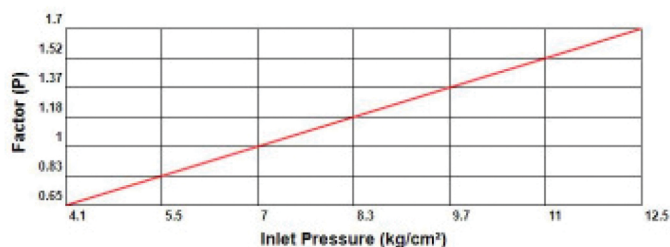
Regeneration Cycle : During the regeneration cycle, the sudden depressurisation brings out water molecule strapped in the Desiccant pores to the surface of the beads. A small portion of dry compressed air from the drying tower then passes over the desiccant through the regeneration orifice built in the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



Inlet Temperature Correction Factor



Inlet Pressure Correction Factor



DELTA COMPRESSORS & EQUIPMENTS

As an Authorised Dealer of
TRIDENT PNEUMATICS PVT.LTD



DELTA COMPRESSORS & EQUIPMENTS

41/608 - A, MUKKANNIYIL APARTMENTS, K.D PLOT P.O

S.KALAMASSERY, ERNAKULAM - 683104

E-Mail : delta.compres@gmail.com

Web: www.deltacompressors.in

For any details reach us at: 24 x 7 Service Helpline: +91 9447205440, 9895678611