

# DESICCANT/HEAT-LESS TYPE AIR DRYER

## DD Series

**delair**<sup>®</sup>

The Compressed Air Treatment System Company



# DESICCANT DRYER



## Standard Range:

6 m<sup>3</sup>/hr to 2030 m<sup>3</sup>/hr (3.5 cfm to 1200 cfm)  
Higher capacities are available on request

## Features

- Available in 19 standard models
- Best atmospheric dew point achievable (-)40°C to (-)60°C & max up to (-)70°C
- Special graded desiccant Delsorb™ 10 and Delsorb™ 21 for optimum performance and long life
- Electronic controls/solid state timers for automatic and reliable operation
- Equipped with muffler on purge air outlet to reduce noise level

## Optional Energy Savings Features & Advantages on Request

### Purge Optimizer (PO)

To minimize the standard purge losses



### Digital Dew Point Meter (DPM)

For live parameters & operating alarms



### Dew Point Depending Systems (DPDS)

For energy savings & to save purge losses for variable load capacities



## Optional Features

- Humidity indicator
- Filters and/or total dryer bypass line with valves.
- Special Delair filters for removal of water, oil mists, oil vapour and dust particles with electronically operated drain valves
- Explosion proof controls for offshore application
- Construction according to various codes
- Delair also manufactures standard high pressure Desiccant Dryers for PET industry/PET blowing application

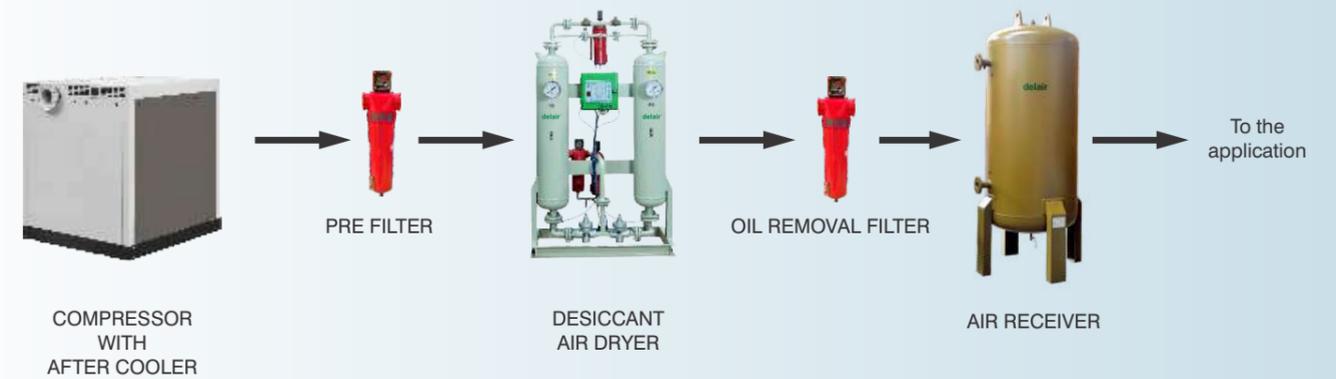
## Std. Design Parameters

- Working pressure : 7.0 Bar(g)
- Air inlet temperature : 40°C
- Ambient temperature : 40°C
- Working pressure range (Min./Max.): 5.0 to 14.0 Bar(g)

- Product are available at higher air inlet temp on request
- Products are available at higher operating pressure on request

# Installation Options

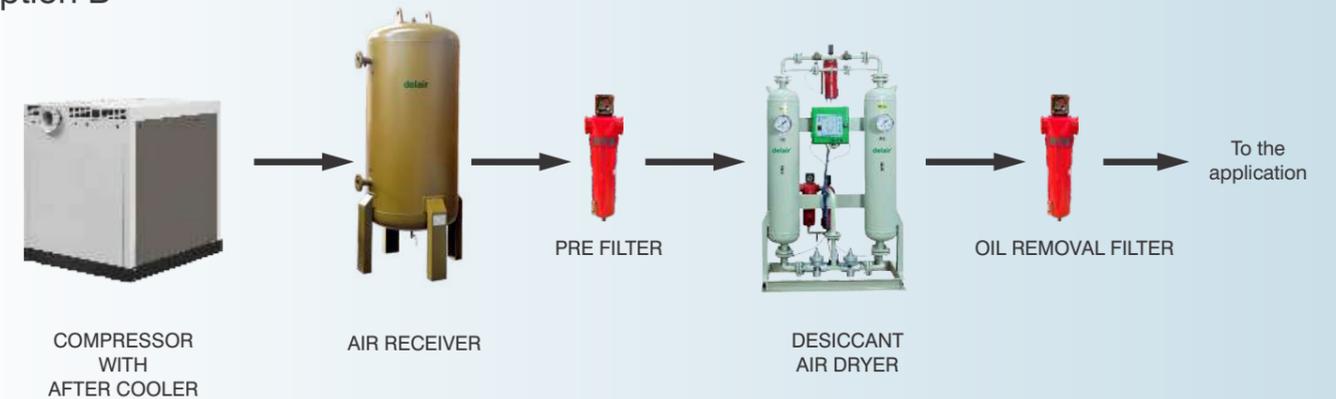
## Option A



### Dryer ahead of Air Receiver

- Flow through Dryer = Maximum flow of Compressor
- Inlet temperature of Dryer = Outlet temperature of After Cooler

## Option B



### Dryer after Air Receiver

- Flow through Dryer can be more than maximum flow of Compressor
- Inlet temperature of Dryer lower than outlet temperature of After Cooler

# BEST PERFORMANCE: WITH RELIABILITY

## MICRO FILTERS

- BSMF filter Elements/Cartridges
- DPI/ DGP as a STD Supply



## DELSMART CARD

- Display fault indications
- LED display indicator
- Advanced DelSmart Card
- CNC manufactured powder coated control panel box



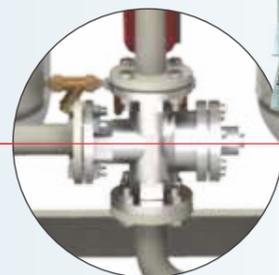
## SILENCER/MUFFLERS

- Purge air outlet to reduce noise level



## 2-WAY PISTON VALVE

- Non lubricated
- Pilot operated for better performance



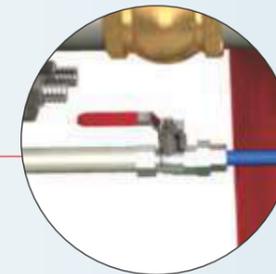
## PRECISE CHECK VALVE

- Non return valve/water type check valve



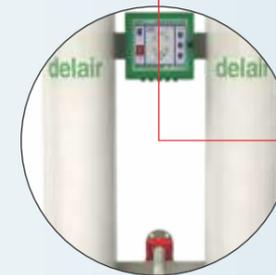
## PURGE VALVE

- Controls Purge



## ADSORBER TOWER

- Outlet with sieve tube
- Inlet with perforated plate and SS mesh sheet
- Provision for desiccant filling and removal easily



## DESICCANTS

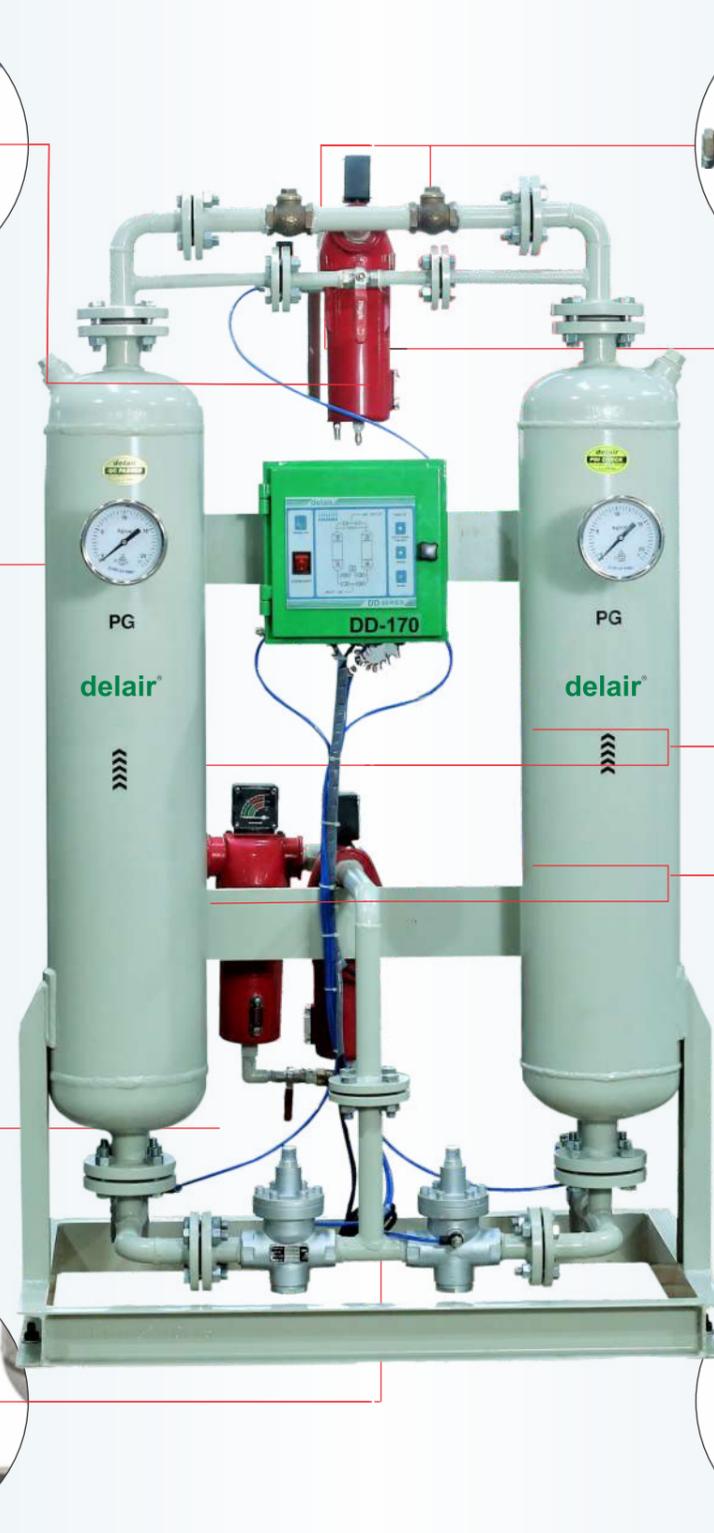
- Specially graded desiccant Delsorb™ 10 & Delsorb™ 21 for optimum performance and long life



Delsorb™ 10



Delsorb™ 21



# PAHWA™ GROUP

Innovation is life



## PRODUCTS



Refrigeration Dryer



Refrigeration Dryer FDI Series



FDI-LP SERIES



Adsorption Dryer



High Pressure Desiccant Dryer (DD-P Series)



Customised / Engineered Adsorption Dryers

## ACCESSORIES



Air Filter



Air Receiver



Water Cooled-After Cooler



Air Cooled After Cooler



Moisture Separator



Auto Drain Valve ZL series



Auto Drain Valve EO series



Auto Drain Valve BF series

delcare™



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Quick response for genuine spare parts & service support needs by experienced team of qualified engineers.

**delair® India Pvt. Ltd.**

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