

## Lasting Values



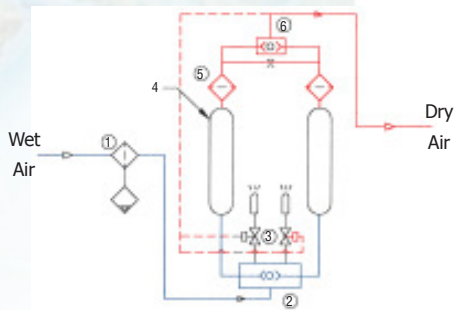
## Desiccant Compressed Air Dryers

### Dryspell Plus

- Designed For - ISO 7183-1986 (E)
- Dryer Quality Class - ISO:8573-1:2010 (E) class 2
- Pre-Filter Quality Class - ISO:8573-1:2010 (E) Class 3
- Consistent Dew Point performance
- Noise Level <70 dBA • Pressure Drop < 0.3 kg/cm<sup>2</sup>(g)
- CE & CUL Marked • Aluminum Construction
- Free From Corrosion & Scale Formation at Inner and Outer sides
- Used High Crush Strength Adsorbent Materials

India's Largest Exporter of Compressed Air Treatment Products

**Dryspell Plus Desiccant Dryer offers total cleaning solution for lubricated as well as non-lubricated compressed Air.**



- 1. Pre-filter
- 2. Inlet shuttle valve
- 3. Exhaust valve
- 4. Desiccant tower
- 5. After filter
- 6. Outlet shuttle valve

**Principle of Operation**

**Drying Cycle :** Moist air from the compressor is sent through the coalescing filter. Here water & oil coalesces, gets purged through the auto drain valve. The relatively clean air with water vapor passes through the aluminum drying tower filled with desiccant gets completely dried (up to -400CPDP) and then passes through a built in after filter. 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 depressurization brings out water molecules trapped in the Desiccant pores to the surface of the beads. A small portion 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.

**Application**

- Painting And Powder Coating • Machine Tool • Packaging Application • Auto Garage • Textile & Garment • Instrumentation • Pharmaceutical • Dental Laboratory • Rail Vehicles • Telecomm industry (pressurizes its underground cables to repel moisture and avoid shorts) • Pneumatic control systems • Feed air for Zeolite type Oxygen and Nitrogen generators • Truck and Train Air brake systems.

**Market Acceptance**

- Excellent Performance
- High Reliability
- Require Less Service Time
- Very Reasonable Cost
- Low moving components
- Low Maintenance
- Very Safe Operation
- Global Support

**Specifications**

- Flow : 20 scfm
- Maximum Operating Pressure : 16 kg/cm<sup>2</sup>(g)
- Air Inlet Temperature : 38°C Max
- Operating Pressure : 7 kg/cm<sup>2</sup>(g)
- Pre-Filter Rating : 5 Microns
- Cycle Time : 4 Minutes
- Operating Voltage : 100-240 VAC 50/60 Hz 1 Ph
- Outlet Conditions : Dry air at -40°C PDP
- Purge Loss : 15±1%

Model	Flow scfm	End Connection BSP	Dimensions (mm)			Weight Kgs	Recommended Accessories	
			H	W	D		Pre filter	Post filter
Dryspell Plus 10	10	1/2"	991	283	140	18	T 100 P	T 100 Y
Dryspell Plus 20	20	1/2"	960	392	206	28	T 100 P	T 100 Y
Dryspell Plus 30	30	1/2"	1339	392	206	39	T 100 P	T 100 Y
Dryspell Plus 45	45	1/2"	968	511	322	51	T 100 P	T 100 Y
Dryspell Plus 60	60	3/4"	1158	511	322	56	T 100 P	T 100 Y
Dryspell Plus 100	100	1"	1544	511	322	56	T 250 P	T 250 Y
Dryspell Plus 125	125	1"	1845	440	379	112	T 250 P	T 250 Y
Dryspell Plus 200	200	1 1/2"	1555	567	449	206	T 600 P	T 600 Y
Dryspell Plus 250	250	1 1/2"	1858	620	457	232	T 600 P	T 600 Y
Dryspell Plus 300	300	2"	1553	778	455	298	T 600 P	T 600 Y
Dryspell Plus 375	375	2"	1853	778	455	331	T 600 P	T 600 Y

**Manufacturing Facility**



**Our Presence**



**Trident Pneumatics Pvt Ltd**

5/232, K.N.G. Pudur Road, Coimbatore - 641 108, India. Ph : +91-422-2400492, 2401373 Fax : +91-422-2401376

e-mail : [sales@tridentpneumatics.com](mailto:sales@tridentpneumatics.com) Website : [www.tridentpneumatics.com](http://www.tridentpneumatics.com)



**Sales & Service Outlets**

Ahmedabad  
98673 67726

Bangalore  
98450 93322

Chennai  
97894 80564

Delhi  
93113 10726

Hyderabad  
98854 45321

Kolkatta  
82200 19925

Mumbai & Pune  
98673 67726

**Our other Range of Products**

- Time based Auto Drain Valve • Level Sensing Auto Drain Valve • Refrigeration Dryer • Blower Reactivated Dryer • Submicron Filter • Oil Water Separator

