

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

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



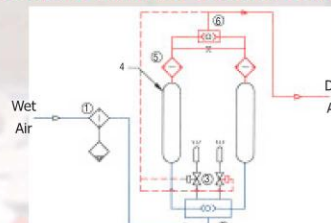
- Designed For - ISO:7183-1986 (E)
- Dryer Quality Class - ISO:8573-1:2010 (E) class 2
- Pre-Filter Quality Class - ISO:8573-1:2010 (E) class 1
- Consistent Dew Point performance
- Noise Level <70 dBA • Pressure Drop < 0.3 kg/cm²(g)
- Aluminum Construction
- Free From Corrosion & Scale Formation at Inner and Outer sides
- Uses High Crush Strength Adsorbent Materials



Desiccant Compressed Air Dryers

Dryspell Plus

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 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 PDP) and then passes through a built in after filter (25 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.

Application

• Painting And Powder Coating • Machine Tool • Packaging Application • Auto Garage • Textile & Garment • Instrumentation • Pharmaceutical • Dental Laboratory • Rail Vehicles • Telecomm industry (pressurises 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
- Reasonable Cost
- Low moving components
- Low Maintenance
- Safe Operation
- Global Support

Specifications

Maximum Operating Pressure : $16 \text{ kg/cm}^2(\text{g})$
 Air Inlet Temperature : 38°C Max
 Operating Pressure : $7 \text{ kg/cm}^2(\text{g})$
 Pre-Filter Rating : 0.01 Micron
 Cycle Time : 4 Minutes
 Operating Voltage : 100-240 VAC 50/60 Hz 1 Ph
 Outlet Conditions : Dry air at -40°C PDP*
 Purge Loss : $15 \pm 1\%$

* ISO:8573-1:2010 (E) class -2-

Model	Item Code	Flow (m ³ /hour)**	End Connection BSP	Dimensions (mm)			Weight Kgs	Recommended Accessories	
				H	W	D		Pre filter	Post filter
Dryspell Plus 10	PD237	17	1/2"	1038	330	150	21	T 100 YEA	T 100 XIA
Dryspell Plus 20	PD238	34	1/2"	963	371	213	29	T 100 YEA	T 100 XIA
Dryspell Plus 30	PD239	51	1/2"	1227	371	213	39	T 100 YEA	T 100 XIA
Dryspell Plus 45	PD240	76	1/2"	999	497	313	49	T 100 YEA	T 100 XIA
Dryspell Plus 60	PD241	102	1"	1192	523	313	61	T 250 YEA	T 250 XIA
Dryspell Plus 100	PD242	170	1"	1603	439	372	106	T 250 YIA	T 250 XIA
Dryspell Plus 125	PD243	212	1"	1913	439	372	119	T 250 YIA	T 250 XIA
Dryspell Plus 200	PD244	340	1 1/2"	1615	449	582	214	T 600 YIA	T 600 XIA
Dryspell Plus 250	PD245	424	1 1/2"	1925	449	582	238	T 600 YIA	T 600 XIA
Dryspell Plus 300	PD246	510	2"	1615	457	764	256	T 851 YIA	T 851 XIA
Dryspell Plus 375	PD247	637	2"	1925	457	764	286	T 851 YIA	T 851 XIA

** As per ISO 7183 option B rated condition

Inlet Pressure Correction Factor

psi (g)	60	80	100	120	140	160	180
bar (g)	4.1	5.5	6.9	8.3	9.7	11	12.4
Factor	0.65	0.83	1	1.18	1.37	1.52	1.7

Temperature Correction Factor

$^{\circ}\text{F}$	90	95	100	105	110	115	120
$^{\circ}\text{C}$	32	35	38	41	43	46	49
Factor	1.35	1.16	1	0.85	0.74	0.64	0.56

Dew Point Correction

