

## ***FACT SHEET***

**PRODUCT NAME : DRYSPELL PLUS**  
**MODEL : DRYSPELL PLUS 60**  
**ITEM CODE : PD208 (without Cover & Includes external Pre - Filter)**  
**PD230 (without Cover & without external Pre - Filter)**

## 1. SPECIFICATIONS

Flow : 60 scfm  
Maximum Operating Pressure : 16 bar (g) (232 PSI (g))  
Rated Air Inlet Temperature : 38° C (100°F) (ISO:7183-1986 (E)) rated Dewpoint  
Rated Operating Pressure : 7 bar (g) (101.5 PSI (g))  
Recommended External Pre-Filter Rating: 0.01 Microns (ISO: 8573-1:2010 (E) Class 1)  
Cycle Time : 4 Minutes  
Operating Voltage : 100-240 VAC 50/60 Hz 1 Ph  
Dew Point : -40° C (-40° F) PDP (ISO: 8573-1:2010 (E) Class 2)  
End Connections : 1" NPT  
Purge Loss : 15±1%  
Noise Level : <70 dBA  
Pressure Drop : <0.3 bar (g) ( <4.3 PSI (g))

## 2. TECHNICAL DATA

### 2.1 ADSORBER DATA

Type of adsorbent : Mixed Bed of Activated Alumina & Molecular Sieves  
Adsorber Shell : Aluminum IS 63400  
Top & Bottom Block : Aluminum IS 63400

### 2.2 PROCESS DATA

Description	Purge Optimizer			
	100%	80%	60%	40%
Cycle Time (min)	4	4	4	4
Drying Time (min)	2	2	2	2
Regeneration Time (Sec)	90	72	54	36
De-pressurization time (sec)	30	48	66	84

### 3. ***FILTER DATA***

#### ***3.1 Standard with all units***

Internal Built In After Filter Micron Rating : 25 Micron (ISO:8573-1:2010 (E) Class 5)

#### ***3.2 Included with Item Code PD208***

External Pre-Filter Particle Removal Rating : 0.01 Micron (ISO:8573-1:2010 (E) Class 1)  
Pre- Filter Oil Removal Rating : 0.01 mg/m<sup>3</sup> (ISO:8573-1:2010 (E) Class 1)  
Filtering Media : Borosilicate Microfiber Glass  
Efficiency : 99.9%

#### ***3.3 Optional for all Units***

External Post- Filter Particle Removal Rating : 1 micron (ISO:8573-1:2010 (E) Class 2)  
Post-Filter Oil Removal Rating : 0.5 mg/m<sup>3</sup> (ISO:8573-1:2010 (E) Class 3)

### 4. ***ELECTRICAL DATA***

Controller : Custom Made Micro-Processor Based  
Make : Trident  
Input Voltage : 100-240 VAC 50/60 Hz 1 Ph  
Output : 24VDC  
Display : LED Indication for Drying, Re-Pressurization & Drain  
Enclosure : IP55 Protection  
Certification : cUL USA Marking

#### **Dew Point Stretch Cycle:**

It stretches the moisture loading time of the desiccant bed by increasing the drying time. A dew point meter at the outlet with a required dew point setting provides the signal for the stretch cycle. This reduces the purge air in accordance to the air flow and dewpoint chosen. The purge occurs for the preprogrammed time during this time.

**Purge Optimizer:**

It reduces the percentage of regeneration flow based on the front panel setting. It has 4 options 40%, 60%, 80% & 100% purge optimization cycles respectively. The settings correspond to flow or moisture load through the dryer.

Separate LED Indicators for Tower Status, Purge Optimizer & Condensate Drain