DTL Series

Low Dewpoint Heatless Desiccant Air Dryers

Special applications in industries such as Pharmaceutical, Food & Drug and Microchip Manufacturing require the ultimate in dry air. Parker domnick hunter's DTL Series Heatless Dryer is designed for just such applications, providing -100°F (-70°C) pressure dewpoint as a standard. Being specifically designed for such applications, the DTL Series dryers are constructed using generously over-sized desiccant beds which substantially increases the contact time with the compressed air. This assures a consistent, deep dewpoint for your most critical processes.

Combine that with independent switching valves rated in millions of cycles and you will truly appreciate the many years of dependable trouble free service you get with the DTL Series critical application dryer.

Contact Information:

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Applications:

- **Pharmaceutical**
- **Food & Drug**
- **Microchip Manufacturing**

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Standard Equipment

- Master Control Panel with Sequence Annunciator
- Compressor Inter-Lock Demand Control
- Surge Protection for Centrifugal Compressors
- Non-Lubricated Valves
- Purge Flow Indicator
- Control Air Filter
- NEMA 4 Electrical
- CSA/UL Listed Control Panel
- ASME Pressure Vessels (DTL100 - DTL320)
- Stainless Steel Diffuser Screens
- Separate Tower Pressure Gauges
- Filter Packages*
- NEMA 7 Classifications*
- Dewpoint Dependent Switching with Dewpoint Monitor*
- Switch Failure Alarm*
- Low Ambient Package*

*Optional

Engineering Data Specifications

Model	Capacity at 100 psi g scfm	Air Connections In/Out	Height in (mm)	Width in (mm)	Depth in (mm)	Pre-Filter	After-Filter
DTL10	10	3/8" NPT	44 (1118)	19 (483)	14 (356)	AA015BNFI	AR015BNMI
DTL15	15	3/8" NPT	63 1/8 (1603)	19 1/8 (486)	14 (356)	AA015BNFI	AR015BNMI
DTL25	25	1/2" NPT	48 1/2 (1232)	20 3/4 (527)	14 (356)	AA015CNFI	AR015CNMI
DTL40	40	1/2" NPT	70 1/4 (1784)	20 3/4 (527)	14 (356)	AA020CNFI	AR020CNMI
DTL60	60	3/4" NPT	80 5/8 (2048)	30 1/4 (768)	18 (457)	AA020DNFI	AR020DNMI
DTL80	80	3/4" NPT	78 1/4 (1987)	31 1/4 (794)	18 (457)	AA025DNFI	AR025DNMI
DTL100	100	1" NPT	78 7/8 (2003)	31 1/4 (794)	18 (457)	AA025ENFI	AR025ENMI
DTL160	160	1" NPT	76 3/4 (1949)	32 1/8 (816)	22 (559)	AA030ENFI	AR030ENMI
DTL225	225	1 1/2" NPT	80 1/8 (2035)	39 7/8 (1013)	22 (559)	AA030GNFI	AR030GNMI
DTL320	320	1 1/2" NPT	84 1/4 (2140)	41 1/8 (1045)	27 (686)	AA035GNFI	AR035GNMI

Correction Factors

Inlet Air Pressure

psi g	50	60	70	80	90	100	110	120	130	140	150
bar g	3.5	4.1	4.9	5.5	6.2	6.9	7.6	8.3	9.0	9.7	10.3
CF	.56	.65	.74	.83	.91	1	1.09	1.18	1.27	1.37	1.43

Temperature

°F	90	95	100	105	110	115	120
°C	32	35	38	41	43	46	49
CF	1.35	1.16	1	0.85	0.74	0.64	0.56

Max. Inlet Temperature	120°F (49°C)
Min. Inlet Temperature	50°F (10°C)
Max. Working Pressure	150 psi g (10.3 bar g)
Min. Working Pressure	80 psi g (5.5 bar g)

Dewpoint	-100°F (-70°C)
ISO Quality Class	8573.1 Class 1.2.1
Standard Electronics	120V/1Ph/60Hz
Controls	Solid State Board

Catalog: DTL Series
Rev 000 NA 02/2014

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