

TL Series

Low Dew Point (-100°F) Heatless Dryer

Special applications in industries such as Pharmaceutical, Food & Drug, and Microchip Manufacturing require the ultimate in dry air. Airtek's TL Series Heatless Dryer is designed for just such applications.

Standard TL Features include:

- Master Control Panel with Sequence Annunciator
- Cycle-Loc - Dryer Can Shut Off And On With Air Compressor
- Surge Protection For Centrifugal Compressors
- Non-Lubricated Valves
- Purge Flow Indicator
- Control Air Filter
- ASME Pressure Vessels (100-6,000 SCFM)
- Stainless Steel Diffuser Screens
- Separate Tower Pressure Gauges



Optional Equipment:

- Filter Packaging
- All NEMA Classifications
- PowerLoc with dew point monitor
- Switch Failure Alarm
- Control For Remote Alarms
- Flow Meter



TL Series-Low Dew Point (-100°F) Heatless Dryer

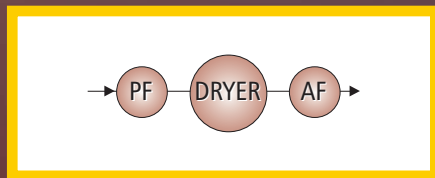
TL Heatless Air Dryer		
Model	*Capacity SCFM @100PSIG	Air Connections In/Out
TL10	10	3/8" NPT
TL15	15	3/8" NPT
TL25	25	1/2" NPT
TL40	40	1/2" NPT
TL60	60	3/4" NPT
TL80	80	3/4" NPT
TL100	100	1" NPT
TL160	160	1" NPT
TL225	225	1 1/2" NPT
TL320	320	1 1/2" NPT
TL400	400	2" NPT
TL500	500	2" NPT
TL620	620	2" NPT
TL800	800	2" NPT
TL950	950	3" FLG
TL1150	1150	3" FLG
TL1600	1600	3" FLG

Correction Factors

INLET AIR PRESSURE CORRECTION											
PSI BAR	50 3.5	60 4.1	70 4.9	80 5.5	90 6.2	100 6.9	110 7.6	120 8.3	130 9.0	140 9.7	150 10.3
FACTOR	.56	.65	.74	.83	.91	1	1.09	1.18	1.27	1.37	1.43

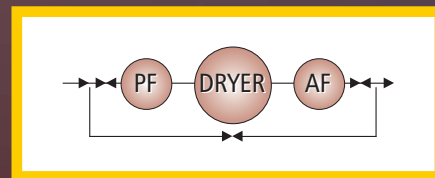
EXAMPLE CALCULATIONS	
TL500 Corrected for 120 PSI (8.3 Bar)	
CORRECTED CAPACITY	= (RATED CAPACITY) X (PSI Correction)
	= 500 SCFM (13.9 Nm ³ /min) X (1.18)
	= 590 SCFM (16.7 Nm ³ /min)

Optional Package Schematics



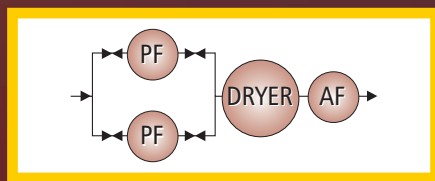
Package "E"

Includes dryer with factory installed pre-filter and after-filter



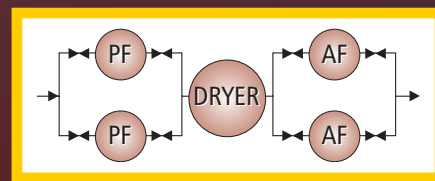
Package "EB"

Includes dryer with factory installed pre-filter and after-filter with system bypass



Package "EC"

Includes dryer with factory installed dual selectable pre-filters, and a single after-filter



Package "ED"

Includes dryer with factory installed dual selectable pre and after-filters



4087 Walden Avenue
Lancaster, New York 14086
Ph. 716.685.4040 Fx.716.685.1010

Email: airtek@airtek.com

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Patents: Refrigerated Dryers 5, 207, 072; 5,099, 5,062, 571. Twin Tower Dryers Using Multi Port Feature, 6,099,620. The equipment indicated in the catalog is meant for use in operating "compressed air driven" apparatuses. At no time should any Airtek equipment be used for breathing air situations unless all government regulations regarding breathing air are met.

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