

DTX Series

High Pressure Heatless Desiccant Air Dryers



Parker domnick hunter's DTX Series Heatless Desiccant Air Dryers are specially designed for higher pressure applications. They are available in three specific designs, rated for maximum working pressure of 250, 500 and 1000 psi g.

Desiccant loading, contact time, and velocities are specifically adjusted for these high pressure conditions. Actuated ball valves are featured on switching towers.

Applications include:

- Laboratories
- Testing Facilities
- Wind Tunnels
- PET

Factory packaging with matched components and single point connections reduces installation costs, assures performance and allows Parker domnick hunter to assume total responsibility for system integrity.



Contact Information:

Parker Hannifin Corporation
Finite Airtek Filtration Division
New York, USA
T 716 686 6400 F 877 857 3800
Toll Free 1-855-587-9323

Sales Office

Ontario, Canada
T 905 693 3000 F 866 958 1306
Toll Free 1-888-342-2623

www.parker.com/faf

Features & Benefits:

- **Guaranteed performance to -40°F (-40°C) pressure dewpoint**
- **NEMA 4 electrical - Standard**
- **Purge flow regulator ensures optimum performance and saves energy by maintaining correct pressure regardless of system pressure (250 psi design only)**
- **500 and 1000 psi designs feature adjustable purge valves**
- **State of the art controller gives a visual display**
- **CSA/UL approved controller**
- **ASME pressure vessels**

Optional Features :

- **Filter packages**
- **DDS Energy Management System**



ENGINEERING YOUR SUCCESS.

Engineering Data Specifications

250 MAWP	@ 250 psi g				Model	Controls	In/Out Connections	Pre-Filter	After-Filter
	scfm	L/s	m ³ /min	m ³ /hr					
	25	11.8	0.7	42.5	DTX10-3A1E	TP2577 heatless control board	3/8" NPT	AA015BNMI	AR015BNMI
	55	26	1.6	93.4	DTX20-3A1E	TP2577 heatless control board	1/2" NPT	AA020CNMI	AR020CNMI
	140	66	4.0	238.0	DTX30-3A1E	TP2577 heatless control board	3/4" NPT	AA025DNMI	AR025DNMI
250	118	7.1	425.0	DTX40-3A1E	TP2577 heatless control board	1" NPT	AA030ENMI	AR030ENMI	
390	184	11.0	663.0	DTX50-3A1E	TP2577 heatless control board	1 1/2" NPT	AA035GNMI	AR035GNMI	
570	269	16.1	968.0	DTX60-3A1E	TP2577 heatless control board	1 1/2" NPT	AA040GNMI	AR040GNMI	
1000	472	28.3	1699.0	DTX80-3A1E	TP2577 heatless control board	2" NPT	AA045HNMI	AR045HNMI	

500 MAWP	@ 500 psi g				Model	Controls	In/Out Connections	Pre-Filter	After-Filter
	scfm	L/s	m ³ /min	m ³ /hr					
	50	23.6	1.4	85.0	DTX10-5A1E	TP2577 heatless control board	3/8" NPT	IP50-AA-0045GNPT	IP50-AR-0045GNPT
	95	44.8	2.7	161.0	DTX20-5A1E	TP2577 heatless control board	1/2" NPT	IP50-AA-0095GNPT	IP50-AR-0095GNPT
	200	94.4	5.7	340.0	DTX30-5A1E	TP2577 heatless control board	3/4" NPT	IP50-AA-0145GNPT	IP50-AR-0145GNPT
350	165	9.9	595.0	DTX40-5A1E	TP2577 heatless control board	1" NPT	IP50-AA-0285GNPT	IP50-AR-0285GNPT	
550	260	15.6	934.0	DTX50-5A1E	TP2577 heatless control board	1 1/2" NPT	IP50-AA-0465GNPT	IP50-AR-0465GNPT	
800	377	22.6	1359.0	DTX60-5A1E	TP2577 heatless control board	1 1/2" NPT	IP50-AA-0465GNPT	IP50-AR-0465GNPT	
1400	661	40.0	2379.0	DTX80-5A1E	TP2577 heatless control board	2" NPT	IP50-AA-0965GNPT	IP50-AR-0965GNPT	

1000 MAWP	@ 1000 psi g				Model	Controls	In/Out Connections	Pre-Filter	After-Filter
	scfm	L/s	m ³ /min	m ³ /hr					
	75	35.4	2.1	127	DTX10-10A1E	TP2577 heatless control board	3/8" NPT	CF	CF
	130	61.3	3.7	221	DTX20-10A1E	TP2577 heatless control board	1/2" NPT	CF	CF
	250	118	7.1	425	DTX30-10A1E	TP2577 heatless control board	3/4" NPT	CF	CF
400	189	11.3	680	DTX40-10A1E	control center	1" NPT	CF	CF	
750	354	21.2	1274	DTX50-10A1E	control center	1 1/2" NPT	CF	CF	
1000	472	28.3	1699	DTX60-10A1E	control center	1 1/2" NPT	CF	CF	
1800	849	51	3058	DTX80-10A1E	control center	2" NPT	CF	CF	

Notes

1. Pressure dew point is based on CAGI ADF 200. Standard for rating and testing compressed air dryers. 100 psi g (6.89 bar) inlet air pressure.

250 psi (17.2 bar) Design	250 psi g (17.2 bar) x 1.00	200 psi g (13.8 bar) x .81	175 psi g (12 bar) x .72	150 psi g (10.3 bar) x .62	
500 psi (34.5 bar) Design	500 psi (34.5 bar) x 1.00	450 psi g (31 bar) x .90	400 psi g (27.6 bar) x .81	350 psi g (24.1 bar) x .71	300 psi g (20.7 bar) x .61
1,000 psi (68.9 bar) Design	1,000 psi (68.9 bar) x 1.00	900 psi g (62 bar) x .90	800 psi g (55.1 bar) x .80	700 psi g (48.3 bar) x .70	600 psi g (41.4 bar) x .61

*Consult factory for sizing assistance.