

TX Series

High Pressure Heatless Desiccant Air Dryers



Parker Airtek's TX 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 Airtek to assume total responsibility for system integrity.



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**
- **PowerLoc™ Energy Management System**

Engineering Data Specifications

Max. Inlet Temperature	120°F (49°C)	Dewpoint	-40°F (-40°C)
Min. Inlet Temperature	50°F (10°C)	ISO Quality Class	8573.1 Class 1.2.1
Max. Working Pressure	150 psi g (10.3 bar g)	Standard Electronics	120V/1Ph/60Hz
Min. Working Pressure	80 psi g (5.5 bar g)	Controls	Solid State Board

250 psi g (17 bar g)

Model	Capacity scfm @ 250 psi g (Nm ³ /min@ 17 bar g)	Connections NPT	Height in (mm)	Width in (mm)	Depth in (mm)
TX10-3	25 (0.7)	3/8"	42 (1067)	21 (533)	14 (356)
TX20-3	55 (1.6)	1/2"	61 (1549)	21 (533)	14 (356)
TX30-3	140 (4.0)	3/4"	78 (1981)	31 (787)	18 (457)
TX40-3	250 (7.1)	1"	78 (1981)	33 (838)	18 (457)
TX50-3	390 (11.0)	1 1/2"	81 (2057)	40 (1016)	22 (559)
TX60-3	570 (16.1)	1 1/2"	82 (2083)	42 (1067)	22 (559)
TX80-3	1000 (28.3)	2"	84 (2134)	47 (1194)	27 (686)

500 psi g (34 bar g)

Model	Capacity scfm @ 500 psi g (Nm ³ /min@ 34 bar g)	Connections NPT	Height in (mm)	Width in (mm)	Depth in (mm)
TX10-5	50 (1.4)	3/8"	42 (1067)	21 (533)	14 (356)
TX20-5	95 (2.7)	1/2"	61 (1549)	21 (533)	14 (356)
TX30-5	200 (5.7)	3/4"	78 (1981)	31 (787)	18 (457)
TX40-5	350 (9.9)	1"	78 (1981)	33 (838)	18 (457)
TX50-5	550 (15.6)	1 1/2"	81 (2057)	40 (1016)	22 (559)
TX60-5	800 (22.6)	1 1/2"	82 (2083)	42 (1067)	22 (559)
TX80-5	1400 (40.0)	2"	84 (2134)	47 (1194)	27 (686)

1000 psi g (70 bar g)

Model	Capacity scfm @ 1000 psi g (Nm ³ /min@ 70 bar g)	Connections NPT	Height in (mm)	Width in (mm)	Depth in (mm)
TX10-10	75 (2.1)	3/8"	42 (1067)	21 (533)	14 (356)
TX20-10	130 (3.7)	1/2"	61 (1549)	21 (533)	14 (356)
TX30-10	250 (7.1)	3/4"	78 (1981)	31 (787)	18 (457)
TX40-10	400 (11.3)	1"	78 (1981)	33 (838)	18 (457)
TX50-10	750 (21.2)	1 1/2"	81 (2057)	40 (1016)	22 (559)
TX60-10	1000 (28.3)	1 1/2"	82 (2083)	42 (1067)	22 (559)
TX80-10	1800 (51)	2"	84 (2134)	47 (1194)	27 (686)