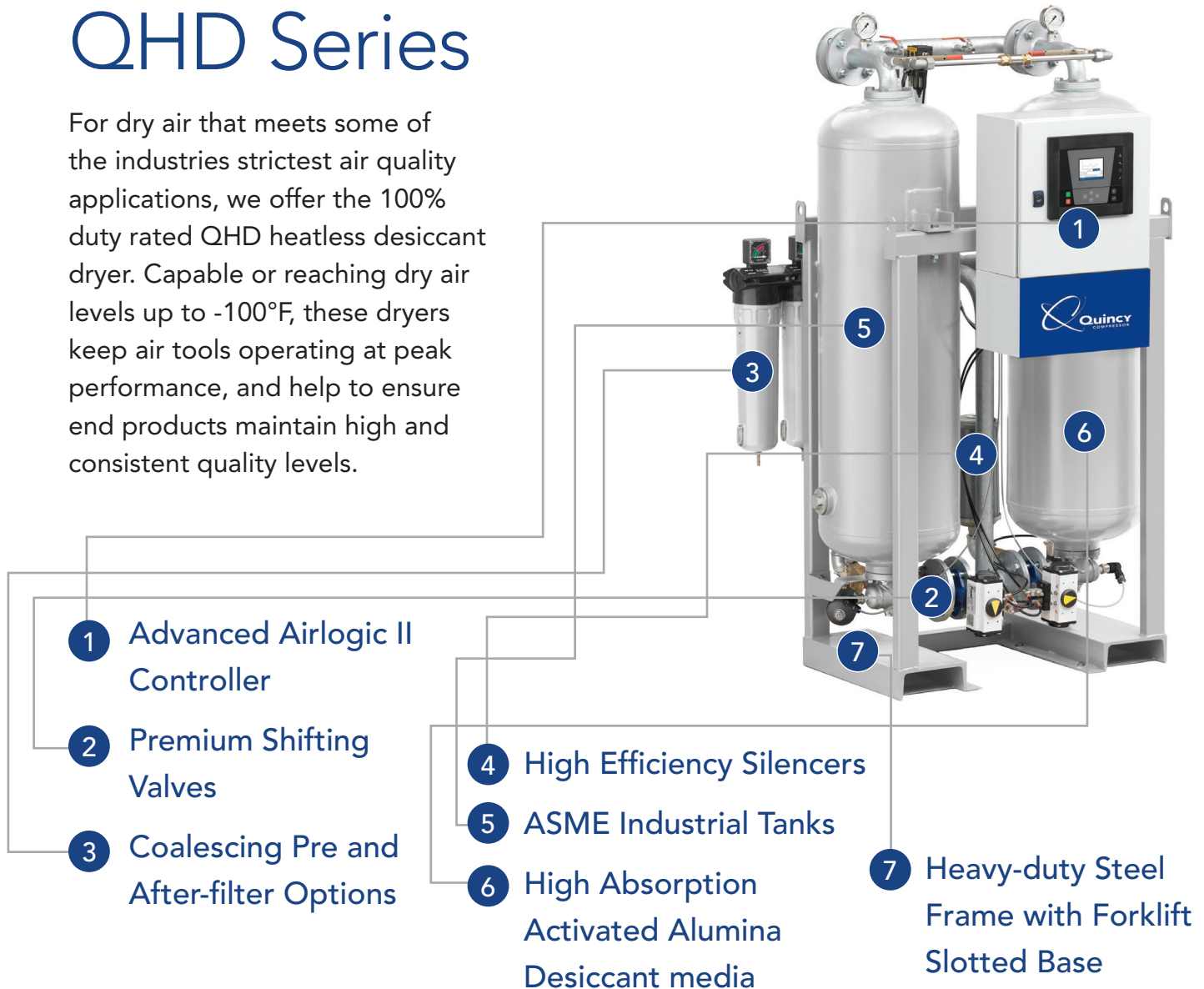


QHD Series

For dry air that meets some of the industries strictest air quality applications, we offer the 100% duty rated QHD heatless desiccant dryer. Capable of reaching dry air levels up to -100°F , these dryers keep air tools operating at peak performance, and help to ensure end products maintain high and consistent quality levels.



1 Advanced Airlogic II Controller

2 Premium Shifting Valves

3 Coalescing Pre and After-filter Options

4 High Efficiency Silencers

5 ASME Industrial Tanks

6 High Absorption Activated Alumina Desiccant media

7 Heavy-duty Steel Frame with Forklift Slotted Base

QHD 230-3600 cfm

The QHD Is Best For:

- ✓ Applications that require compressors to operate at full load
- ✓ Customers that are interested in extremely dry compressed air quality
- ✓ A better control of compressed air quality levels
- ✓ Highly regulated applications with standard to heavy operating conditions and temperatures

QHD TECHNICAL DATA

Model	CFM @ 100 PSIG	Purge CFM	Pressure Dewpoint Deg F	Voltage	Av. Power Consumption kW	Air Conn. In/Out	Q-Sorb lbs./tower	Basic Dryer Dimensions			Approx. Weight (lbs)
								Length (inches)	Width (inches)	Height (inches)	
QHD-230	230	41	-40 or -100	115/1/60	0.06	1.5" NPT	155	37	31	70	750
QHD-320	320	58	-40 or -100	115/1/60	0.06	1.5" NPT	188	43	36	69	915
QHD-390	390	70	-40 or -100	115/1/60	0.06	1.5" NPT	221	43	36	69	981
QHD-530	530	95	-40 or -100	115/1/60	0.06	2" NPT	287	44	40	74	1323
QHD-635	635	114	-40 or -100	115/1/60	0.06	2" NPT	331	46	43	76	1433
QHD-750	750	127	-40 or -100	115/1/60	0.06	3" ANSI	476	80	44	103	2830
QHD-900	901	153	-40 or -100	115/1/60	0.06	3" ANSI	572	80	43	103	3030
QHD-1100	1123	191	-40 or -100	115/1/60	0.06	3" ANSI	713	80	43	103	3312
QHD-1370	1377	234	-40 or -100	115/1/60	0.06	3" ANSI	874	83	43	96	3778
QHD-1800	1801	306	-40 or -100	115/1/60	0.06	4" ANSI	1143	102	49	103	5851
QHD-2300	2331	396	-40 or -100	115/1/60	0.06	4" ANSI	1479	102	49	125	7048
QHD-2800	2818	479	-40 or -100	115/1/60	0.06	4" ANSI	1789	116	49	125	7676
QHD-3600	3602	612	-40 or -100	115/1/60	0.06	6" ANSI	2286	121	69	132	10702

Inlet Pressure Capacity Correction		
Inlet PSIG	Factors	
	QHD 230-635	QHD 750-3600
50	0.35	0.56
60	0.51	0.65
70	0.65	0.74
80	0.77	0.83
90	0.87	0.91
100	1.0	1.0
110	1.05	1.09
120	1.13	1.18
130	1.2	1.27
140	1.27	1.37
150	1.33	1.43

Inlet Temperature Capacity Correction		
Inlet Temp (F)	Factors	
	QHD 230-635	QHD 750-3600
90	1.0	1.0
95	1.0	1.0
100	1.0	1.0
105	0.81	0.85
110	0.76	0.74
115	0.67	0.64
120	0.58	0.55

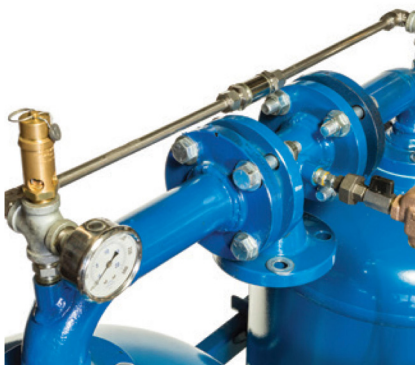
Example: Capacity Correction for a 1100 CFM Heated Purge Dryer Operating at 120 PSIG & 110°F

$$\text{Corrected Capacity} = (\text{Required Capacity}) \times (\text{Pressure Correction}) \times (\text{Temperature Correction})$$

$$1100 \times 1.18 \times .74 = 961 \text{ SCFM}$$

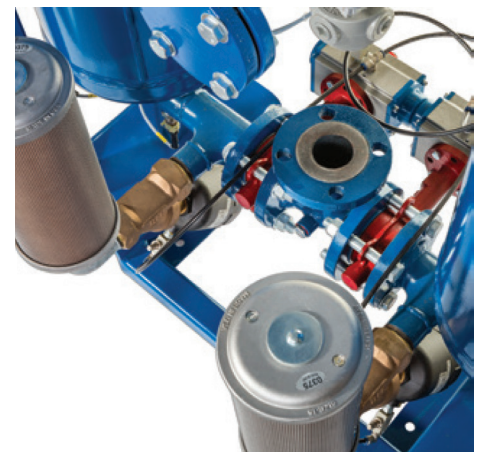
$$\text{Dryer Required} = (\text{Required Capacity}) / (\text{Pressure Correction}) / (\text{Temperature Correction})$$

$$1100 / 1.18 / .74 = 1260 \text{ SCFM}$$



High Performance Valves

- High cycle life
- Designed for low torque
- No maintenance required
- Low pressure drop
- Double acting actuators
- Fail safe operation ensures no disruption of air
- Industry best 5-year warranty



WARRANTY INFORMATION

STERLING BLUE

2-Year Package Warranty

Packaged Air Dryer

Twenty-four (24) months from date of shipment from the factory

Covers all parts and labor on the dryer package

5-Year Valve Warranty

Switching Valves

Five (5) year warranty from date of shipment from the factory

Covers parts only

