

# Automated High Pressure Drier System Technical Specifications

## 1.1 SPECIFICATIONS

WEIGHT.....	650 Lbs. (without desiccant installed) 700 Lbs. (with desiccant installed)
DIMENSIONS.....	See Section 3.2 (Dryer), Section 3.3 (Control Box)
IN/OUT CONNECTION.....	1/2" NPT
<b>VESSELS (DESICCANT TOWERS)</b>	
Construction.....	Manufactured to the ASME CODE, Section VIII, Division 1 Vessels stamped "U" designator
Design Pressure.....	3000 PSIG
Design Temperature.....	-20°F TO 300°F
<b>PIPING</b>	
Threaded Fittings.....	ASME B16.11
Threaded Unions.....	ASME B16.11
Pipe.....	Carbon Steel, Schedule 160
<b>VALVES</b>	
Inlet.....	Two (2) normally open ball valves, air operated type (air to close – fail open)
Outlet.....	Two (2) normally open ball valves, air operated type (air to close – fail open)
Purge.....	Two (2) normally close ball valves, air operated type (air to open – fail close)
Pressurization.....	Normally closed ball valves, air operated type (air to open – fail close)
<b>ELECTRICAL</b>	
	115V/1PH/50-60Hz
<b>DESICCANT</b>	
Material.....	Activated Alumina, 1/8" (2-5 MM) Bead type
Quantity Per Tower.....	25 Lbs.
<b>OPERATING CONDITIONS</b>	
System Process.....	3600 SCFH Acetylene Gas
Inlet Gas Pressure.....	MIN 200 PSIG..... MAX 400 PSIG
Inlet Gas Temperature.....	MIN 60°F..... MAX 95°F
Ambient Air Temperature .....	MIN 60°F..... MAX 120°F