



Nirvana Cycling REFRIGERATED AIR DRYERS

Point of Manufacture – West Chester, PA, USA

Industrial Technologies
Davidson, NC 28036

Date: Jan 14, 2016
Cancels: All Previous

CORRECTION FACTORS

Multiplication Factors for Ambient Temperatures

°F	80	90	100	110	120
Correction Factor	1.25	1.12	1.00	0.86	0.77

Multiplication Factors for Working Pressure

Pressure (PSIG)	50	75	100	125	150	175
Correction Factor	0.78	0.91	1.00	1.08	1.16	1.22

Multiplication Factors for Inlet Temperature

°F	80	90	100	110	120
Correction Factor	1.64	1.27	1.00	0.81	0.66

Multiplication Factors for Inlet Cooling Water Temperature

°F	85	90	95	100	105
Correction Factor	1.00	CONSULT FACTORY FOR SIZING			

HOW TO APPLY THE CORRECTION FACTORS

Select the dryer using the following:

Ambient Temperature (°F) 90°F 1.12
 Inlet Temperature (°F) 100°F 1.00
 Working Pressure (PSIG) 150 PSIG 1.16

Customer Air Flow Rate 600 SCFM

Dryer Capacity = Customer air flow rate / (Ambient Factor x Inlet Factor x Pressure Factor)

Dryer Capacity = 600 / (1.12 x 1.00 x 1.16) = 462 SCFM

Selected Dryer = NVC500AXXX