



PNEUMATIC PRODUCTS

Twin Towers Purification Systems for NGV Refueling Systems

PPC's CNG Series twin tower purification systems are completely self-contained, fully automatic, heat-reactivated, closed-loop blower purge desiccant dryers designed to remove water vapor from Natural Gas and located at the inlet of the booster compressor. Using molecular sieve as the drying media, these systems will continuously dry CNG down to a pressure dewpoint as low as -100°F and residual moisture levels as low as 0.04 lbs. per MMScf.

APPLICATIONS

Specifically engineered for large flow (>200 scfm) heavy duty NGV fleet refueling applications, the *CNG Series* Twin Tower systems provide dry CNG round-the-clock, 24 hours a day.

CONSTRUCTION

Valve bodies are rugged forged brass with Buna N Seats.

FEATURES AND BENEFITS

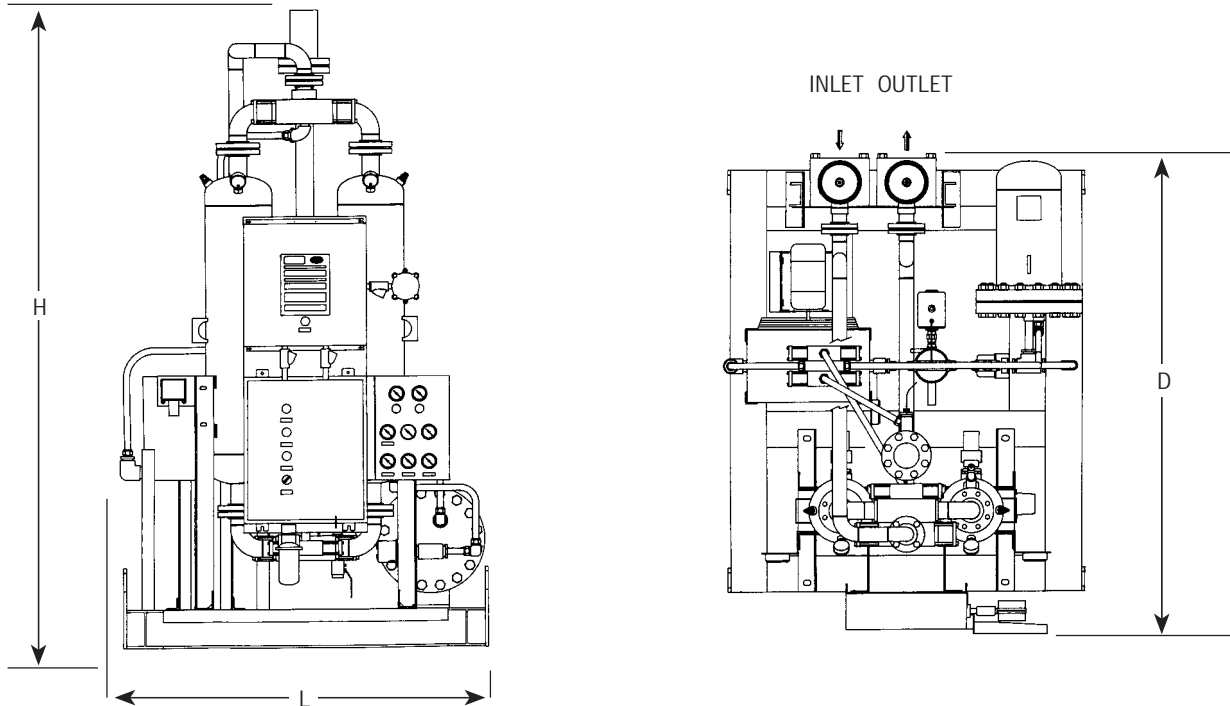
<i>Certified quality assurance</i>	ASME section VIII designed pressure vessels
<i>Ease of service and superior corrosion resistance</i>	Removable Stainless Steel diffuser and adsorbent support screens
<i>Minimal odorant fading and low pressure drop</i>	Specially formulated Molecular sieve desiccant
<i>Downflow drying</i>	Less fluidization & longer desiccant life
<i>No gas lost to purge and prolonged desiccant life</i>	Closed loop Convection Regeneration
<i>Ensures constant circulation rate for complete and dependable regeneration</i>	Dry type, Oil-free Positive displacement blower
<i>Ensures low dewpoint with no cooling water requirement</i>	Fin & Tube type close approach gas cooler
<i>Energy savings and Complete diagnostics</i>	Microprocessor based AMLOC® Energy Management System & Controls
<i>Safe, reliable and dependable operation</i>	Purged electrical enclosures per NFPA 496, for Class 1, Group D, Division 1 or 2 classifications
<i>Certified quality assurance for complete system</i>	Factory mounted and piped Coalescing 0.0014 ppmw oil & aerosol removal Prefilter and 0.9µ absolute particulate removal Afterfilter



SPECIFICATIONS

Capacity Range: 200 to 10,000 Scfm
 Min. Inlet Pressure: 35 Psig
 Max. Inlet Pressure: 300 Psig (>300 Psig-consult factory)
 Outlet Dew point: -80°F or lower

Inlet Temp. Range: 40 to 100°F
 System ΔP: 7 to 15 Psi
 Electricals: 208, 230, 460 or 575V,
 3Ph, 50 or 60Hz



DIMENSIONS & CONNECTION DATA

MODEL	Inlet Capacity SCFM @ 100 Psig, 70°F	IN/OUT Connection Size Inches, FLG	DIMENSIONS			WEIGHT lbs
			L	D	H	
T 80 CNG	340	1½	66	90	108	2,700
T 150 CNG	540	2	66	90	108	2,900
T 225 CNG	770	2	75	96	114	3,500
T 500 CNG	1,210	2	72	86	132	3,800
T 750 CNG	1,900	3	90	102	130	4,500
T 1200 CNG	2,770	3	96	120	144	8,000
T 2500 CNG	4,460	4	115	170	150	12,000
T 3600 CNG	6,410	6	130	180	160	17,000

Because of our policy of continuous improvement some information specifications and dimensions contained herein may be revised. For confirmed accuracy, always refer to factory submittals.



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