

ORCA XT-2500

MICROBULK AND SMALL BULK DELIVERY UNIT



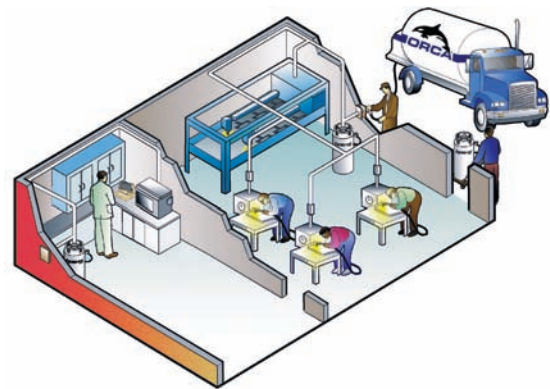
Take control of your gas market with the ORCA XT-2500 delivery system

The ORCA XT-2500 delivery system is an innovation in pump-less "pulse transfer" MicroBulk technology that will radically improve your small bulk and packaged gas distribution. The ORCA XT-2500 product will expand the MicroBulk market by lowering distribution barriers and costs, improving customer satisfaction compared to traditional full-for-empty cylinders. Pulse transfer technology works in harmony with Chart Perma-Cyl® storage vessels and small bulk tanks.

PRODUCT HIGHLIGHTS

- Replaces the nuisance and waste of full-for-empty cylinders for both the gas supplier and the gas user
- Operates perfectly with Perma-Cyl vessels, including the auto shut-off to ensure optimum filling
- Fast deliveries - 300 liters in less than 7 minutes without metered filling losses or 60 gpm from the main tank
- Improves overall gas distribution efficiencies
- Ideal delivery solution for stationary users of packaged gas from 4,000 scf to 100,000 scf per month
 - Eliminates costly cryogenic pumps and excessive blow-down
 - Reduces investment by up to 20%
 - Lowers service and maintenance costs
 - Cuts total distribution time by up to 50% compared to HP gas cylinders
 - Smart Flow Instruments DP flow meter ensures accurate billing
- Creates gas supplier differentiation, competitive advantages, enhanced margins and customer loyalty
- Quiet operation - no engine, PTO or alternator required

MicroBulk Delivery



Gas Distribution Pyramid



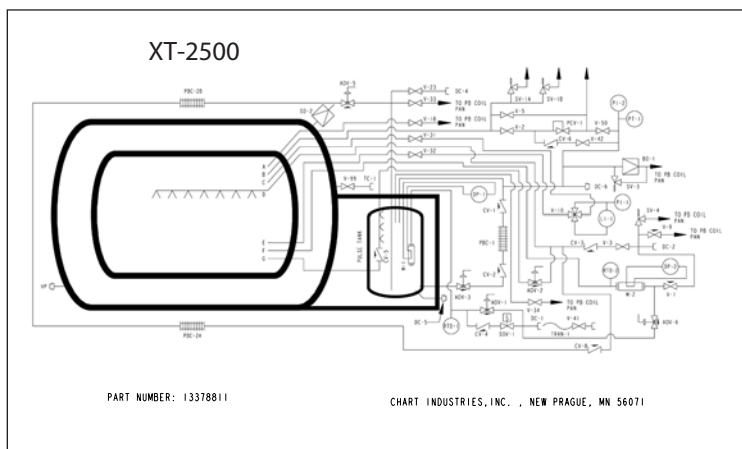
Innovation. Experience. Performance.®

ORCA XT-2500

MICROBULK AND SMALL BULK DELIVERY UNIT



MODEL	XT-2500		
Gas Services	LIN, LAR and LOX		
Dispense Method/Technology	Pulse Transfer Plus Pulse Pressure		
Pressure Builder Type	HP ² & ZX technologies		
Design Code	ASME and CGA- 341		
SPECIFICATIONS	Overall Unit	Main Tank	Pulse Tank
Gross Capacity (gal/ltrs)	2,439 / 9,418	2,410 / 9,118	79 / 300
Capacity ^{***} - CGA-341 (gal/ltrs)	2,369 / 8,969	2,290 / 8,669	79 / 300
MAWP (psig/bar)		217 / 14.9	350 / 24.1
Overall Length (in/cm)	269 / 683	-	-
Overall Height (in/cm)	95 / 241	-	-
Diameter/Width (in/cm)	77 / 196	-	-
Tare Weight (lbs/kg)	11,240 / 5,098		
PERFORMANCE			
Dispense Rate (gpm/lpm)		10-60 / 38-227	10-40 / 38-151
Max. Dispense Pressure (psig/bar)		200 / 13.8	325 / 22.4
Max. Receiving Tank Pressure ^{***} (psig/bar)		135 / 9.3	225 / 15.5
Optimum Receiving Vessel	Large Perma-Cyls & Small Bulk		Perma-Cyl
REQUIREMENTS			
Power	12 VDC x 10 Amp		
Truck ^{****}	Double axle sized for service		
Air Ride Required	GVW 32,000 lbs to 46,000 lbs		
Trailer ^{****}	Available - consult factory		
Patents: 5,616,838 - 5,787,942 - 5,954,101 - 6,654,848 and other patents pending. Specifications are subject to change without prior notification.			
[*] With road relief valve at 25.3 psig		^{**} Maximum fill levels depend on vehicle specifications	
^{***} For optimum single hose, no-loss fill		^{****} Customer supplied per Chart's requirements	



Control Cabinet



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