

PT-1000

TRUE MICROBULK DELIVERY UNIT

NEW



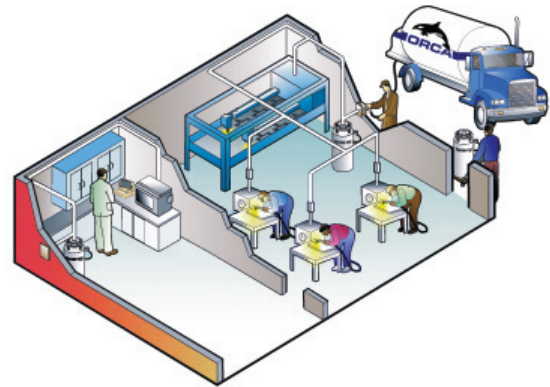
Take control of the packaged gas market with the Orca PT-1000 delivery tank

The Orca PT-1000 delivery tank is an innovation in pump-less “pulse transfer” MicroBulk technology that will radically improve your packaged gas distribution. The Orca PT-1000 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.

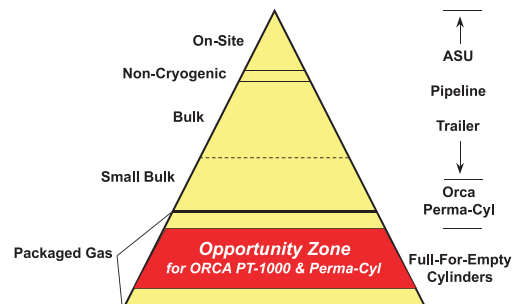
BENEFITS AND FEATURES

- 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 7 minutes or less...without a pump or filling losses
- Improves overall gas distribution
- Ideal delivery solution for stationary users of packaged gas from 4,000 scf to 75,000 scf per month
 - Eliminates costly cryogenic pumps and excessive blow-down
 - Reduces investment by up to 23%
 - 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

MicroBulk Delivery



Gas Distribution Pyramid



Innovation. Experience. Performance.™

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General¹				
Gas Services	LIN, LOX and LAR			
Delivery / Transfer Method	"Pulse Transfer" technology – fast, pump-less, low-saturation			
Pressure Builder for Pulse Transfer	Chart HP2 and ZX technologies			
Code	ASME and CGA 341			
Performance				
Delivery / Transfer Rate	10 – 40 gpm or 38 - 151 lpm			
Maximum Transfer Pressure	350 psi (24 bar)			
Maximum Receiving Tank Pressure	225 psi (15.5 bar) for optimized single hose, no-loss fill			
Optimum Delivery Performance	Perma-Cyl with auto shut-off device			
Specifications				
	Overall Unit	Main Tank	Pulse Tank	Cabinet
Net Capacity		1,014 gal (3,838 liters)	300 liters	
MAWP		50 psi (3.45 bar)	375 psi (25.86 bar)	
Overall Length	176 in (447 cm)	118.2 in (300 cm)	28 in (71 cm)	48.25 in (123 cm)
Overall Height	103 in (262 cm)	77.4 in (197 cm)	70 in (178 cm)	52.25 in (133 cm)
Diameter (OD) / Width	72 in (183 cm)	80 in (203 cm)	26 in (66 cm)	70 in (178 cm)
Tare Weight (Approximate)	5,205 lbs (2,366 kg)			
Mounting Skid (Outer length x width)	172.3 in x 34 in (438 cm x 86.4 cm)			
Control System & Flow Meter				
Control System	Push-button control, pulse tank pressure limiter			
Flow Meter	Flow Instruments differential pressure meter with auto shut-off			
Requirements				
Power	12 VDC or 24 VDC, 20 Amp			
Truck	Single axle sized for the application, below FET, air ride not required, GVW 23,500 lbs (10,658 kg) to 31,000 lbs (14,059 kg)			

¹Patents: 5,616,838 - 5,787,942 - 5,954,101 - 6,542,848 and other patents pending. Specifications are subject to change without prior notification.

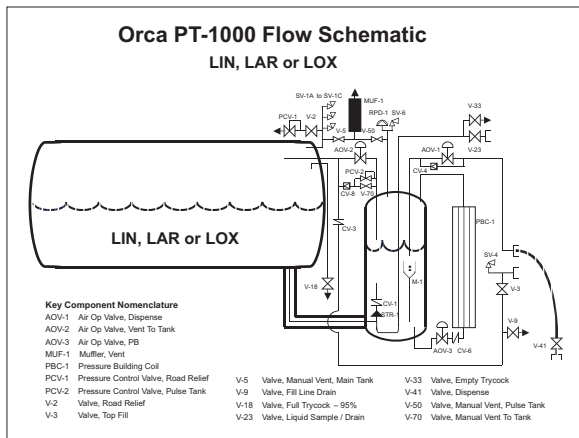


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