

ORCA™ XT SERIES

MICROBULK PRESSURE TRANSFER DELIVERY UNIT



Pat. Nos.: 6,799,429 · 5,616,838

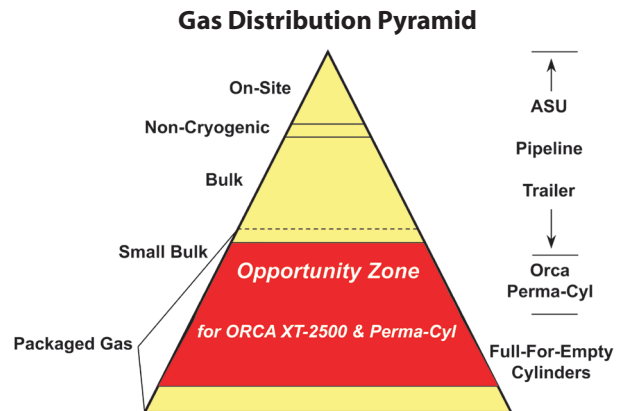
Take control of your gas market with the Orca™ XT Series MicroBulk Delivery System

Chart's MicroBulk delivery system has revolutionized the gas industry by making on-site distribution for smaller accounts a profitable reality. The Orca XT Series delivery unit has been designed to complete an entire fill operation in 3-15 minutes without product loss under normal conditions. Automatic fill termination with the Perma-Cyl® MicroBulk Storage System vessels eliminates safety hazards and lost product associated with overfilling. In total, the Chart MicroBulk system increases asset utilization, reduces labor costs and maximizes distribution efficiency.

Chart offers the complete MicroBulk delivery system as a solution to reliably and effortlessly manage a diverse range of applications. At the foundation of the MicroBulk system, the Orca XT Series delivery unit offers fast, reliable and accurate on-site delivery to Perma-Cyl storage vessels or small bulk tanks. The Perma-Cyl line offers the widest range of sizes and piping options and the greatest flexibility with accommodations for indoor and outdoor installation. The innovative Cyl-Tel® Liquid Level Gauge accurately monitors liquid contents and provides a seamless connection to a variety of telemetry platforms.

PRODUCT HIGHLIGHTS

- Fast on-site filling of the Perma-Cyl® storage system with auto shut-off
- Single hose delivery system minimizes contamination, cool down losses and pressure drop
- Stainless steel and bronze plumbing for long service life
- Robust inner vessel support system for rugged road conditions
- Quiet operation – no engine, PTO or alternator required
- Minimal/easy maintenance – no alternator, PTO or variable frequency drive
- Available in truck or trailer mount



XT SERIES KEY FEATURES

- Dual hose dispense circuit for low flow Perma-Cyl storage and high flow bulk tank deliveries
- Large cabinet with removable access panels for ease of maintenance and servicing
- Pulse tank pumpless transfer and main tank pulse pressure technology
- Fast deliveries – 300 liters from the pulse tank in less than 7 minutes without metered filling losses or 75 gpm from the main tank



Innovation. Experience. Performance. ®

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SPECIFICATIONS						
MODEL	XT-2000			XT-2500		
Gas Services	LIN, LAR & LOX			LIN, LAR & LOX		
Pressure Builder Type	HP ² & ZX technologies			HP ² & ZX technologies		
Design Codes	ASME and CGA-341			ASME and CGA-341		
SPECIFICATIONS	Overall Unit	Main Tank	Pulse Tank	Overall Unit	Main Tank	Pulse Tank
Gross Capacity (gal/ltrs)	2026 / 7671	1947 / 7372	79 / 299	2489 / 9422	2410 / 9123	79 / 299
Capacity* ** - CGA-341 (gal/ltrs)	1929 / 7302	1850 / 7003	79 / 299	2369 / 8966	2290 / 8667	79 / 299
MAWP (psig/bar)		217 / 15.0	350 / 24.1		217 / 15.0	350 / 24.1
Overall Length (in/cm)	234 / 594			270 / 686		
Overall Height (in/cm)	78 / 198			78 / 198		
Overall Width (in/cm)	96 / 244			96 / 244		
Tank Diameter (in/cm)	72 / 183			72 / 183		
Tare Weight (lbs/kg)	10,900 / 4944			11,600 / 5262		
PERFORMANCE						
Min. Dispensing Rate (gpm/lpm)		10 / 38	10 / 38		10 / 38	10 / 38
Max. Dispensing Rate (gpm/lpm)		75 / 284	30 / 114		75 / 284	30 / 114
Max. Dispensing Pressure (psig/barg)		217 / 15.0	350 / 24.1		217 / 15.0	350 / 24.1
Max. Receiving Tank Pressure (psig/barg)		167 / 11.5	250 / 17.2		167 / 11.5	250 / 17.2

* With road relief valve at 25.3 psig ** Maximum fill levels depend on vehicle weight, local road weight limits, etc.

MAWP = Maximum Allowable Working Pressure
Specifications subject to change without notice.



Flowcom S8 -

This flow meter system offers features such as controlling solenoids for discharge, recirculation as well as a pump interlock and vapor return. (standard on all models)

Control Cabinet

