

ORCA™ XT SERIES

MICROBULK PRESSURE TRANSFER DELIVERY UNIT



Pat. No.: 6,799,429

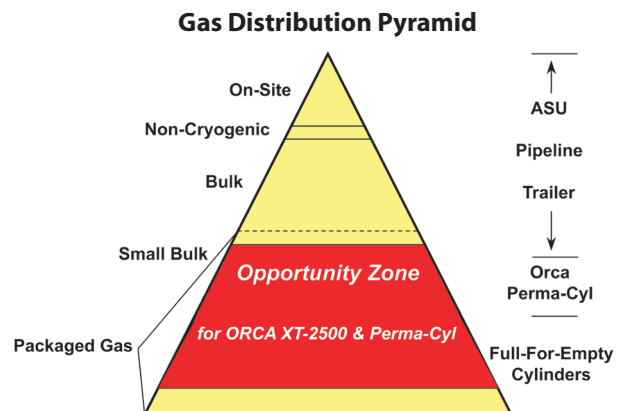
Take control of your gas market with the Orca™ XT Series MicroBulk Delivery System

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 and pressure drop
- Stainless steel and bronze plumbing for long service life
- Robust inner vessel support system for rugged road conditions
- Only air and 12v power is required to make deliveries
- Automated pulse tank filling and pressure building
- 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 or 75 gpm from the main tank



Innovation. Experience. Performance. ®

ORCA™ XT SERIES

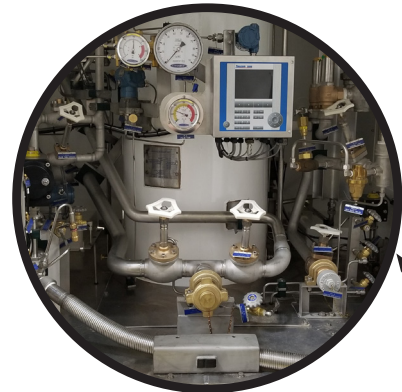
MICROBULK PRESSURE TRANSFER DELIVERY UNIT



| 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 | 104 / 393 | 2489 / 9422 | 2410 / 9123 | 104 / 393 |
| Capacity* ** - CGA-341 (gal/ltrs) | 1929 / 7302 | 1850 / 7003 | 93 / 353 | 2369 / 8966 | 2290 / 8667 | 93 / 353 |
| 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 | | | 12,360 / 5606 | | |
| PERFORMANCE | | | | | | |
| Min. Dispensing Rate (gpm/lpm) | | 10 / 38 | 10 / 38 | | 10 / 38 | 10 / 38 |
| Max. Dispensing Rate (gpm/lpm) | | 100 / 379 | 30 / 114 | | 100 / 379 | 30 / 114 |
| Max. Dispensing Pressure (psig/barg) | | 200 / 13.8 | 325 / 22.4 | | 200 / 13.8 | 325 / 22.4 |

* 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.

Plumbing Cabinet



Flowcom 3000 -
 "Smart" flow metering system monitors flow electronically with no moving parts in meter section. (Standard on all models.)

