

ORCA™ VHP SERIES

MICROBULK & BULK PUMP TRANSFER DELIVERY UNIT



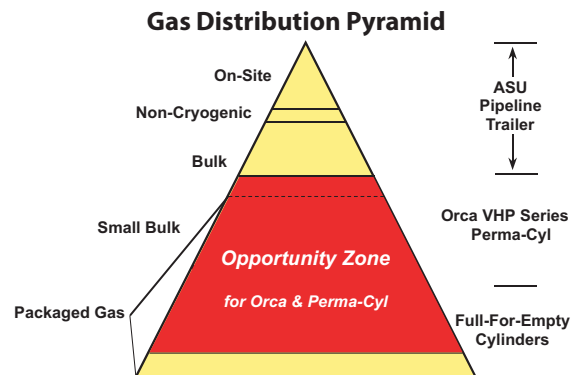
Take control of your gas market with the Orca™ VHP Series MicroBulk and Bulk Delivery System

Chart's new Orca VHP Series complements its MicroBulk delivery system with Bulk delivery to make on-site distribution for larger and smaller accounts a profitable reality. The Orca VHP Series Semi-Trailer delivery unit has been designed to complete an entire fill operation in 3-30 minutes with no pump cooling or product loss in inert service under normal conditions. Automatic fill termination with the Perma-Cyl® MicroBulk and Bulk Storage System vessels eliminates safety hazards and lost product associated with overfilling. Next generation pump and controls technology allows filling storage systems without interrupting service. In total, the Chart MicroBulk and Bulk system increases asset utilization, reduces labor costs and maximizes distribution efficiency.

Chart offers the complete delivery system as a solution to reliably and effortlessly manage a diverse range of applications. At the foundation of the delivery system, the Orca VHP Series delivery unit offers fast, reliable and accurate on-site delivery to Perma-Cyl storage vessels or small and large bulk tanks alike. The Perma-Cyl line offers the widest range of sizes and piping options and the greatest flexibility with accommodations for indoor and outdoor installation.

PRODUCT HIGHLIGHTS

- Fast on-site filling of the Perma-Cyl® storage system with auto shut-off
- Exclusive low maintenance submerged pump for instant starts and continuous delivery (LIN or LAR Service)
- Push-button Flowcom® 3000 Flow Meter System to simplify operator training
- Electronic pump speed control allows driver to safely optimize delivery rate
- National Institute of Standards & Technology (NIST) and California Weights & Measures approved metering system
- Stainless steel and bronze plumbing for long service life
- Robust inner vessel support system for rugged road conditions
- Ergonomic plumbing layout for driver ease of operation
- Auto dispense simplifies valve operations at delivery



VHP SERIES KEY FEATURES

- Auto Subcool – standard on all pump models, simplifies operator training and reduces product loss
- Electronics for operations to -40°F/°C
- Large cabinet with removable access panels for ease of maintenance and servicing
- Calibrated meter column system that can be easily removed for recalibration or service



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SPECIFICATIONS	
MODEL	ST-7200
Gas Services	LIN, LAR
Pressure Builder Type	Pump force-feed / Auto Subcool
Design Codes	ASME, MC-338, CGA-341
SPECIFICATIONS	Overall Unit
Gross Capacity (gal/ltrs)	7220 / 27,331
Capacity* ** - CGA-341 (gal/ltrs)	6800 / 25,741
Capacity** - MC338 (gal/ltrs)	6350 / 24,037
MAWP (psig/bar)	50 / 3.4
Overall Length (in/cm)	504 / 1280
Overall Height (in/cm)	135 / 343
Overall Width (in/cm)	102 / 259
Tank Diameter (in/cm)	80 / 203
Tare Weight (lbs/kg)	19,500 / 8845
PERFORMANCE	
Dispense Method/Technology	Hydraulic Magnetic Drive
Pump	Submerged VHP
Min. Dispensing Rate (gpm/lpm)	20 / 76
Max. Dispensing Rate (gpm/lpm)	160 / 606
Max. Dispensing Pressure (psig/barg)	525 / 36.2
Max. Receiving Tank Pressure (psig/barg)	475 / 32.7

* 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.

Control Cabinet



Chart Exclusive -

“Smart” flow metering system monitors flow electronically with no moving parts in meter section (standard on all models).



Chart Exclusive -

Submerged pump for inert service. Eliminates cool down losses and reduces delivery time.



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