

Flexible Portability for Quick Response

Praxair's Portable, High-Performance *PortaFlex* 450 ZX VHP Microbulk Storage System Keeps Production Flowing

Designed and built for high-pressure and high-flow applications, Praxair's *PortaFlex* 450 ZX VHP Microbulk Storage System provides flexible portability to quickly respond to demanding industrial gas applications. Easily transported, the system is rated at flow rates of up to 2000 SCFH while sustaining 420-450 psig.

Safe Portability

The 450 ZX VHP System features a dedicated metal pallet with durable exterior coating for maximum corrosion resistance. To ensure safe portability, the pallet features forklift slots to protect both plumbing and tank during transportation and application use.

Microbulk Efficiency and Productivity

As part of the Microbulk gas delivery system, the *PortaFlex* 450 ZX VHP Microbulk Storage System is an on-site, cost-effective solution that ensures an uninterrupted gas supply to increase productivity. The included telemetry system monitors supply levels and automatically generates orders for on-time deliveries. As a result, product outages are reduced and less time is spent managing inventory and placing orders.



FEATURES	BENEFITS
Quick Response	<ul style="list-style-type: none"> Portable design makes it easy to deploy and place to meet unexpected or changing application needs
High Performance	<ul style="list-style-type: none"> High-flow external aluminum vaporizer and pressure builder system provides up to 2000 SCFH at 420 to 450 psig Dual relief valves and rupture discs with a diverter valve
Small Footprint	<ul style="list-style-type: none"> Vessel and vaporizers are secured to a dedicated metal pallet frame for a smaller footprint
Portable Flexibility	<ul style="list-style-type: none"> Easily transportable with a forklift Metal pallet incorporates forklift slots to protect plumbing and tank during transportation and application use

Contact us to find out more about how the *PortaFlex* 450 ZX VHP can efficiently meet your most demanding gas application needs.



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PORTAFLEX 450 ZX VHP



CAPACITY	DOT <i>Transporting Over The Road</i>	Filling On-Site
Liquid (Gross) liters	450	450
Liquid (Net) liters	420	420
Gas (LIN) ft ³	7,922	10,332
Gas (LOX) ft ³	10,519	12,760
Gas (LAR) ft ³	10,241	12,478
Gas (CO ₂) ft ³	7,960	8,200
Gas (N ₂ O) ft ³	7,516	9,881
PERFORMANCE		
NER (LIN) % per day	2.0	2.0
NER (LAR / LOX) % per day	1.25	1.25
NEW (CO ₂ / N ₂ O) % per day	.5	.5
Gas Flow (LIN/LOX/LAR)* SCFH	2,000**	2,000**
Gas Flow (CO ₂ / N ₂ O)	665	665
DIMENSIONS & PRESSURE RATINGS		
Cylinder Size: D x H in.	30 x 61.3	30 x 61.3
Base Dimensions: W x D x H in.	34 x 42 x 73.8	34 x 42 x 73.8
Tare Weight lb.	1,400***	1,400***
Full Weight lb. (LIN / LOX / LAR)	2,300 / 2,600 / 2,900	2,633 / 3,044 / 3,455
Relief Valve Setting psig	500	500
DOT Rating	4L412	4L412

* At 450 psig sustained pressure.

** Higher flows can be achieved with reduced duty cycles and/or additional vaporization.

*** Weights include tank and pallet, are approximate and vary with pallet design.

Looking for a
start-up system
to help determine
your monthly gas
volume?

Praxair's
PortaFlex 450 ZX
VHP system is
the answer!