

BULKITE® 1400

COMPACT HORIZONTAL BULK STORAGE UNIT

The new BulkLite® 1400 Horizontal Storage Unit is designed for economical turnkey installations. The tank can be installed on a precast concrete foundation, asphalt pad or class 5 gravel bed, if code permits. The integrated forklift channels provide for easy mobility without a crane, further reducing the installation costs. The low profile and low cost installation is ideal for accounts that specify a height restriction and/or pad restriction due to property constraints. The BulkLite unit is also a good solution for temporary installations. The plumbing is conveniently located on one end of the vessel for easy access in tight locations and it can be filled from a standard transport or an Orca delivery system.

Note, not designed to be moved with cryogenic product.



PRODUCT ADVANTAGES

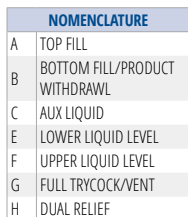
- Compact, horizontal low profile: 69" H x 72" W x 187" L
- Integrated large forklift channels provide for easy mobility and secure mounting for an economical installation
- Forklift channels are 44" center to center (34-3/4" min x 53-1/4" max) and provide a stable and secure mounting base with-out the need for a concrete pad
- NFPA* requires a "firm concrete or masonry foundation"
- On-board high-efficiency gas use vaporizer provides up to 2000 SCFH
- Integrated high-efficiency pressure builder supports gas use flows up to 8000 SCFH
- Integrated flat fin pressure builder with PCV-1 (combo regulator) with single pressure adjusting screw for easy changes to the pressure builder and economizer settings
- Durable, ergonomic plumbing with isolation valves for long service life, easy operation and field maintenance
- Low NER is ideal for low usage accounts with longer delivery cycles for low distribution costs
- Liquid withdrawal package option available: 1" vacuum-insulated female bayonet, vent connected back pressure regulator and low-range PCV-1 spring for low liquid loss and accurate tank pressure control

**National Fire Protection Agency*

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Model	Gross Capacity		Nominal Capacity		MAWP*		Flow Rate**		Width		Height		Length		Weight***		NER %/day	NER %/day
	Gal	Liters	Gal	Liters	psig	bar	SCFH	Nm³/hr	in	mm	in	mm	in	mm	(lbs)	(kg)	O ₂ /AR	N ₂
1400	1380	5224	1330	5035	250	17.2	2000	56.6	72	1829	69	1753	189	4800	5200	2359	.28	.45

***Weights are for ASME design. (NER) = Normal Evaporation Rate



NOMENCLATURE			
Tag	Description	Tag	Description
C-1	CONNECTION, AUX LIQUID	S-1	STRAINER, PRESSURE BUILDING
C-3	CONNECTION, SECONDARY AUX LIQUID	S-2	STRAINER, FILL
C-4	CONNECTION, SECONDARY AUX VAPOR	TSV-2	THERMAL RELIEF, FILL LINE
CV-1	CHECK VALVE, FILL LINE	TSV-3	THERMAL RELIEF VALVE, VAPORIZER
CV-3	CHECK VALVE, ECONOMIZER	TSV-4	THERMAL RELIEF VALVE, PB CIRCUIT
FC-1	CONNECTION, FILL	TT-1	TELEMETRY TAP, VAPOR PHASE
HCV-1	VALVE, BOTTOM FILL	TT-2	TELEMETRY TAP, LIQUID PHASE
HCV-2	VALVE, TOP FILL	VP-1	VACUUM PORT
HCV-3	VALVE, PB INLET	VR-1	VACUUM READOUT, OUTER VESSEL
HCV-4	VALVE, FULL TRYCOCK	VAP	PRODUCT WITHDRAWAL VAPORIZER
HCV-5	VALVE, VACUUM GAUGE TUBE	VAP-1	PRE VAP
HCV-7	VALVE, FILL LINE DRAIN		
HCV-8	VALVE, LI-1 VAPOR PHASE		
HCV-9	VALVE, LI-1 EQUALIZATION		
HCV-10	VALVE, LI-1 LIQUID PHASE		
HCV-11	VALVE, PB OUTLET		
HCV-13	VALVE, PRODUCT SUPPLY		
HCV-15	VALVE, SAFETY RELIEF SELECTOR		
LI-1	LI-1, LEVEL INDICATOR, INNER VESSEL		
PBC-1	PRESSURE BUILDING COIL, INNER VESSEL		
PCV-1	PRESSURE CONTROL VALVE		
PI-1	PRESSURE INDICATOR, INNER VESSEL		
PSE-1A	PRESSURE SAFETY ELEMENT, INNER VESSEL		
PSE-1B	PRESSURE SAFETY ELEMENT, INNER VESSEL		
PSV-1A	PRESSURE SAFETY VALVE, INNER VESSEL		
PSV-1B	PRESSURE SAFETY VALVE, INNER VESSEL		
			<i>*dashed lines represent optional components</i>
		C-8	CONNECTION, CUSTOMER HOUSELINE
		CV-2	CHECK VALVE, HOUSELINE
		HCV-16A	VALVE, RELIEF LINE PURGE
		HCV-16B	VALVE, RELIEF LINE PURGE
		HCV-21	VALVE, SECONDARY AUX LIQUID
		HCV-22	VALVE, SECONDARY AUX VAPOR
		HCV-30	VALVE, INLET HOUSELINE
		HCV-31	VALVE, BYPASS HOUSELINE
		HCV-32	VALVE, OUTLET HOUSELINE
		PCV-5	PRESSURE CONTROL VALVE, HOUSELINE
		PI-2	PRESSURE INDICATOR, HOUSELINE
		TSV-8	THERMAL SAFETY VALVE, HOUSELINE