



Taylor-Wharton

EXPRESS *Fill*

Designed for use with Cryogenic Delivery systems



- On-site filling is fast, easy and time-saving
- Safe, easy to transport
- Reduces product loss during filling
- Low NER
- Automatic fill shut-off
- Compact and rugged
- Saves money through product loss eliminations
- Reduce cylinder fleet
- Suitable for industrial and cryobio applications
- User Friendly valve locations



Specifications

Model		EF-450HP	EF-450VHP	EF-700HP	EF-1000HP	EF-1000VHP	EF-1500VHP	
Part Number		H4500C03-EZ	V4500C03-EZ	H7000C02-EZ	H1KL0C02-EZ	V1KL0C02-EZ	V15L0C03-EZ	
Dimensions								
Cylinder Diameter	inches	30	30	38	38	38	48	
Height	inches	74	74	69	91	91	91	
Empty Weight	pounds	730	885	1,308	1,750	1,900	2,950	
Capacity, Gross	gallons	117	115	180	260	255	414	
	liters	443	437	681	983	967	1,567	
MAWP	psig	350	500	350	350	500	500	
Design Specification		DOT-4L		ASME Section VIII, Division 1				
Safety Devices								
Pressure Relief Valve	psig	350	500	350	350	500	500	
Inner Container Bursting Disc	psig	525	750	525	525	750	750	
Pressure Control Devices								
Economizer Regulator Setting	psig	325	425	325	325	425	425	
Pressure Building Regulator Setting	psig	300	400	300	300	400	400	
Gaseous Capacity¹								
Nitrogen	SCF	8,750	7,687	15,449	19,695	19,376	31,398	
Oxygen	SCF	11,000	10,208	19,135	24,762	24,361	39,476	
Argon	SCF	10,700	9,947	18,738	24,255	23,862	38,668	
Weight of Contents¹								
Nitrogen	pounds	634	557	1,119	1,427	1,404	2,275	
Oxygen	pounds	907	845	1,585	2,050	2,017	3,268	
Argon	pounds	1,102	1,028	1,938	2,506	2,465	3,995	
Gas Delivery Rate	SCFH	575	575	800	960	960	1,350	
NER	% capacity per day O ₂						1.0%	

¹ Based on liquid at full trycock saturated @ 50 psig for ASME designs. Based on DOT allowable fill weight for DOT designs.