EXPRESS-FILL STATIONARY VESSEL SPECIFICATIONS

Model		EF-450HP	EF-450VHP	EF-450HP	EF-700HP	EF-1000HP	EF-1000VHP	EF-1500VHP	EF-2000VHP
Part Number		H4500C03-EZ	V4500C03-EZ	H4500C01-EZ	H7000C02-EZ	H1KL0C02-EZ	V1KL0C02-EZ	V15L0C03-EZ	V20L0C03-EZ
Dimensions									
Cylinder Diameter	inches	30	30	30	38	38	38	48	48
Height	inches	77	77	74	69	91	91	90	110
Empty Weight	pounds	730	830	950	1,308	1,750	2,085	2,950	3,111
Capacity, Gross	gallons	117	115	115	180	266	268	414	538
	liters	443	437	434	681	1,007	1,014	1,567	2,036
Capacity, Net	gallons	105	104	104	162	239	241	373	484
	liters	399	393	391	613	906	913	1,410	1,832
MAWP	psig	350	500	350	350	350	500	500	500
Design Specification		DOT-4L		ASME Section VIII, Division 1					
Safety Devices									
Pressure Relief Valve	psig	350	500	350	350	350	500	500	500
Inner Container Bursting Disc	psig	525	750	525	525	525	750	750	750
Pressure Control Devices									
Economizer Regulator Setting	psig	325	425	325	325	325	425	425	425
Pressure Building Regulator Setting	psig	300	400	300	300	300	400	400	400
Gaseous Capacity [1]									
Nitrogen	SCF	8,750	7,687	8,690	15,449	19,695	19,376	31,398	45,113
Oxygen	SCF	11,000	10,208	10,926	19,135	24,762	24,361	39,476	55,723
Argon	SCF	10,700	9,947	10,702	18,738	24,255	23,862	38,668	54,519
Carbon Dioxide	SCF	7,810	7,692	7,653	11,998	17,733	17,870	27,598	35,858
Weight of Contents[1]									
Nitrogen	pounds	634	557	630	1,119	1,427	1,404	2,275	3,269
Oxygen	pounds	907	845	904	1,585	2,050	2,017	3,268	4,613
Argon	pounds	1,102	1,028	1,106	1,938	2,506	2,465	3,995	5,637
Carbon Dioxide	pounds	893	880	875	1,373	2,029	2,044	3,157	4,102
Gas Delivery Rate (LIN, LOX, LAR)	SCFH	575	575	575	800	960	960	1350[(2)]	2000[(2)]
Gas Delivery Rate (CO2)	SCFH	250	250	250	340	410	410	580	860
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.
[2] PB Booster is available to provide constant pressures for flow rates up to 4,000 scfh LIN, LOX, LAR) and 1,700 sfch (CO2)

EXPRESS
CRYOGENIC DELIVERY SYSTEM