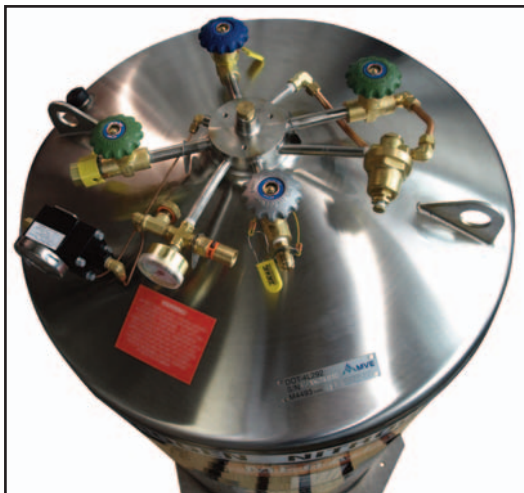


MEGA-CYL

PALLETIZED CYLINDERS

The Mega-Cyl series is Chart's line of palletized cylinders designed for easy transport with capacities from 450 to 1000 liters. Engineered with the volume user in mind, it's ideal for construction sites, remote purging operations and back-up systems. Mega-Cyl cylinders are available in all services up to 500 psig (34.5 barg) and are specifically designed to optimize distribution costs.

Examine the rugged, maneuverable Mega-Cyl series and you'll find all the quality features you expect from the industry leader, Chart.



PRODUCT HIGHLIGHTS

- Tough, durable stainless steel construction
- High-performance Super Insulation
- Easily accessible valves and gauges
- Spray header for pump filling on vent tube
- Accurate differential pressure contents gauge (non-electric)

MEGA-CYL

PALLETIZED CYLINDERS

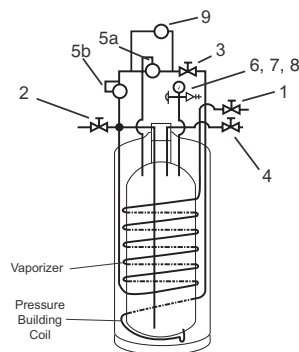
Specifications

MODEL		450	600	800	1000
	Pressure	HP	HP	HP	HP
	Part Number	10588979	11652389	10671262	10752281
CAPACITY					
Liquid (Gross)	(liters)	450	660	880	1056
Liquid (Net) ⁽¹⁾	(liters)	428	600	800	950
Gas (N ₂)	ft ³ / Nm ³	8,875 / 233.2	14,755 / 387.8	19,672 / 517	23,363 / 614
Gas (O ₂)	ft ³ / Nm ³	11,111 / 292	18,240 / 479.3	24,320 / 639.1	28,843 / 758
Gas (Ar)	ft ³ / Nm ³	10,812 / 284.1	17,823 / 468.4	23,767 / 624.6	28,234 / 742
Gas (CO ₂)	ft ³ / Nm ³	8,652 / 227.4	12,191 / 320.4	16,255 / 427.2	18,580 / 488.3
PERFORMANCE					
NER (N ₂)	% per day	2.1	1.8	1.8	1.3
NER (O ₂ , Ar)	% per day	1.4	1.2	1.2	0.9
NER (CO ₂ , N ₂ O)	% per day	0.6	0.5	0.5	0.3
Gas Flow (N ₂ , O ₂ , Ar)	SCFH/Nm ³ /hr	575 / 15.1	750 / 19.7	880 / 23.1	960 / 25.2
Gas Flow (CO ₂)	SCFH/Nm ³ /hr	195 / 5.1	250 / 6.6	280 / 7.4	300 / 7.9
DIMENSIONS & PRESSURE RATINGS					
Relief Valve Setting	psig / barg	350 / 24	350 / 24	350 / 24	350 / 24
DOT/CTC/ASME Rating		4L292	ASME Sec 8/Div1	ASME Sec 8/Div1	ASME Sec 8/Div1
Diameter (cylinder)	in / cm	30 / 76.2	42 / 106.7	42 / 106.7	42 / 106.7
Height (cylinder)	in / cm	62 / 158	63 / 159	67 / 171	76 / 191
Base Width (frame) ⁽²⁾	in / cm	34 / 86.4	45 / 114	45 / 114	45 / 114
Base Depth (frame) ⁽²⁾	in / cm	34 / 86.4	45 / 114	45 / 114	45 / 114
Height (frame) ⁽²⁾	in / cm	74 / 188	72 / 183	80 / 203	80 / 203
Tare Wt. (cyl + frame) ⁽³⁾	lb / kg	1,275 / 580	1,700 / 773	2,500 / 1,136	2,650 / 1,205
Full Weight (N ₂)	lb / kg	1,918 / 872	2,769 / 1,254	3,926 / 1,784	4,343 / 1,974
(O ₂)	lb / kg	2,195 / 998	3,210 / 1,459	4,514 / 2,052	5,038 / 2,290
(Ar)	lb / kg	2,393 / 1,088	3,543 / 1,610	4,958 / 2,253	5,569 / 2,532
(CO ₂)	lb / kg	2,265 / 1,029	3,324 / 1,510	4,666 / 2,120	5,218 / 2,372

(1) CO₂ values and 450 liter models based on DOT4L fill density. N₂, O₂ and Ar values based on net volume at 0 psig.

(2) Customized pallets are available upon request.

(3) Weights are approximate and vary with pallet design.



Nomenclature

1. Gas Use Valve
2. Fill / Liquid Valve
3. Pressure Control Valve
4. Vent Valve
- 5a. Pressure Control Regulator
- 5b. Economizer Regulator
6. Pressure Gauge
7. Pressure Relief Valve
8. Rupture Disk
9. Liquid Level Gauge

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