

Perma-Cyl Microbulk

TANK SPECIFICATIONS



SPECIFICATIONS														
MODEL	230L MP, LCCM Sq/Rnd Base w/Casters	230L HP, LCCM Sq/Rnd Base w/Casters	265L MP, LCCM Sq/Rnd Base w/Casters	265L HP, LCCM Sq/Rnd Base w/Casters	450L HP Plate Base	450L MP Plate Base	450L VHP Plate Base	700L HP Plate Base	1000L HP/VHP Pallet Base	1500L HP/VHP Pallet Base	2000L HP/VHP Pallet Base	3000L HP/VHP Pallet Base	3000L HP/VHP Horizontal Forklift Base	5500L MP/VHP Pallet Base
CAPACITY (Liters)														
Gross	240	240	276	276	450	450	450	688	1,056	1,550	2,042	2,911	2,911	5510/5434
Net	230	230	265	265	420	420	420	645	950	1,455	1,945	2,707	2,707	5262/5110
CAPACITY (Gallons)														
Gross	63.4	63.4	72.9	72.9	118.9	118.9	118.9	181.8	279.0	409.5	539.5	770	770	1456/1435
Net	60.8	60.8	70.0	70.0	111.0	111.0	111.0	170.4	251.0	384.4	513.9	715	715	1390/1350
MAWP														
psig	230	350	230	350	350	250	500	350	350/500	350/500	350/500	350/500	350/500	250/500
barg	15.9	24.1	15.9	24.1	24.1	17.2	34.5	24.1	24.1/34.5	24.1/34.5	24.1/34.5	24.1/34.5	24.1/34.5	17.2/34.5
PRE-SET OPERATING PRESSURE														
psig	125	300	125	300	300	125	450	300	300/450	300/450	300/450	300/450	300/450	125/450
barg	8.6	20.7	8.6	20.7	20.7	8.6	31.0	20.7	20.7/31.0	20.7/31.0	20.7/31.0	20.7/31.0	20.7/31.0	8.6/31.0
DESIGN SPECIFICATIONS														
DOT/ASME	DOT	DOT	DOT	DOT	DOT/ASME	ASME	DOT/ASME	ASME	ASME	ASME	ASME	ASME	ASME	ASME
STORAGE CAPACITY (1)														
Nitrogen														
SCF	5,024	4,734	5,769	5,769	8875/10332	10,332	7922/10332	15,860	24,350	35,790	47,847	66,592	66,592	128700/125000
Nm ³	142	134	152	152	271/272	272	271/272	449	689	1,013	1,257	1,750	1,750	3644/3540
Oxygen														
SCF	6,244	5,930	7,186	7,186	11124/12760	12,760	11124/12760	19,600	30,070	44,220	59,089	82,239	82,239	159400/154900
Nm ³	177	168	189	189	315/336	336	315/336	554	850	1,250	1,553	2,161	2,161	4514/4386
Argon														
SCF	6,073	5,763	6,982	6,982	10812/12478	12,478	10812/12478	19,160	29,400	43,220	57,786	80,425	80,425	156200/151700
Nm ³	172	163	183	183	306/328	328	306/328	542	832	1,223	1,519	2,115	2,115	4423/4296
THERMAL PERFORMANCE (2) (NER%/Day)														
N ₂	1.8%	1.8%	2%	2%	1.9%/1.6%	1.6%	1.9%/1.6%	1%	1%	1%	1%	1%	1%	.7%
O ₂ -Ar	1.12%	1.12%	1.4%	1.4%	1.2%/1%	1%	1.2%/1%	.62%	.62%	.62%	.62%	.62%	.62%	.43%
GAS DELIVERY RATE (LIN/LAR/LOX)														
SCFH	400	400	400	400	575	575	575	660	960	1,350	1350/2000 ⁽³⁾	1350/2000 ⁽³⁾	2,000	3500/5000 ⁽⁴⁾
Nm ³ h	10.5	10.5	10.5	10.5	15.1	15.1	15.1	18.6	25.2	35.4	35.4/52.4	35.4/52.4	52.4	99/141
DIMENSIONS														
Diameter														
in	26	26	26	26	30	30	30	42	42	48	48	58	58	80
mm	660	660	660	660	762	762	762	1,067	1,067	1,219	1,219	1,473	1,473	2,032
Height														
in	61.8/62	61.8/62	64.6/64.8	64.6/64.8	69	69	69	62.5	89	92/91	118.5/119.6	122/122.25	71	119
mm	1570/1575	1570/1575	1641/1646	1641/1646	1,753	1,753	1,753	1,588	2,260	2337/2311	3,010/3,037	3099/3105	1,803	3,023
Tare Weight														
lbs	300	340	370	430	688*	605*	812*	1,250*	1781/1750**	2200/2500**	2600/3860**	3300/4500**	3800/4250**	6800/9100**
kg	136	154	168	195	312	274	368	567	807/794	998/1134	1179/1751	1497/2045	1724/1928	3084/4128

All specifications are subject to change without prior notice.

1) Values are based on net capacity at 0 psig (0 barg) for ASME vessels.

DOT vessels are per code.

2) Values are based on gross capacity.

3) Optional 3,500 SCFH (92 Nm³h) flow kit available.

4) Optional 3,500 SCFH hang on vaporizer or 5,000 SCFH stand alone vaporizer.

Patents: 5,954,101 • 6,542,848 - Other Patents Pending

DOT- Department of Transportation, 4L Code

ASME- American Society of Mechanical Engineers, Section VIII, Division 1

Contact Factory for Canadian Approvals.

*Weights do not include lab base option. (265 lbs) **Weights include lab bases.

All dimensions are measured from the floor to the top of the highest plumbing component.

See Perma-Max Literature for Specifications on CO₂ (PN 20890958 & 21176920)