

P.E. MF Tank™

LMD POLYETHYLENE WATER TANK

- NON-TOXIC
- RUST FREE
- SEAMLESS
- SUN LIGHT RESISTANT
- CHEMICALS RESISTANT



ISO 9001:2000

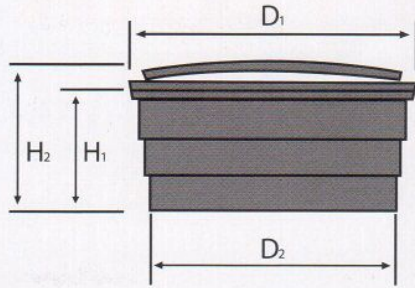


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MS 1225:1991

Mui Fatt East Coast Sdn. Bhd. Group



Note:

- All dimension are rounded-off to the nearest 10mm (or 0.5 inch).
- Tank properties subject to change without prior notice.
- Dimension given above are for space required for installation purposes only.
- The manufacturer reserves the right to amend or change the design, patterns and specifications without any prior notice as continuous improvement achieved.

D₁: Dimension of tank cover H₁: Height to top of tank
 D₂: Dimension of tank base H₂: Height to top of cover

Polyethylene

Properties	Test Values	Test Methods
Density	938 kg/m ³	ISO 1872/1-1986
Tensile Strength	16 MPa	ISO/R527-1966: Type 2 speed D
Elongation	>200%	ISO/R527-1966: Type 2 speed D
Flexural Modulus	650 MPa	ISO 178-1975
Impact Strenght	20KJ/m ²	ISO 179-1982 : Contion 2C
Hardness (Shore D)	62	ISO 868-1985
Softening Point	117°C	ISO 306
Thermal Conductivity	0.48 W/m°C	ASTM C117
Melting Point	125°C	ASTM D2117
Linear Expansion	10 x 10 ⁻⁴ /°C	ASTM D696

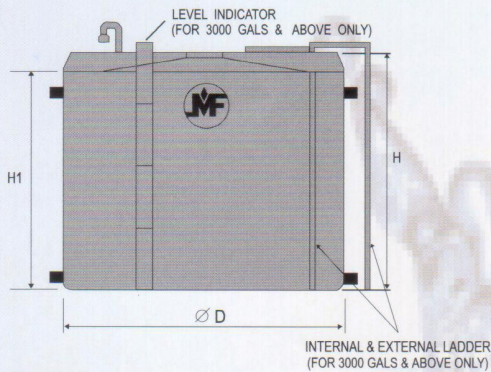
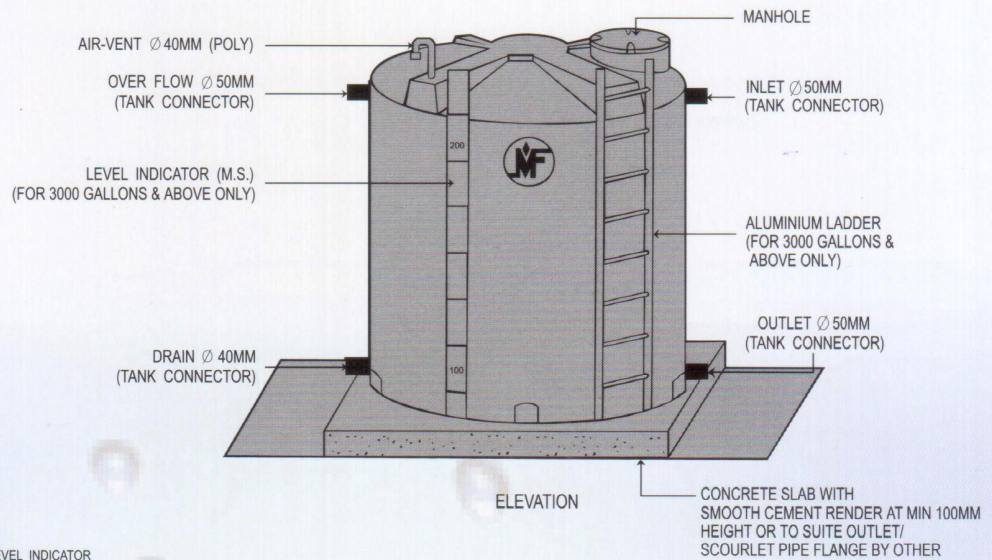
Test results supplied by Resin Manufacturer

Manufactured to SIRIM Standard **MS 1225:1991**

P.E. Tank™ Properties - Circular Series • Category: BUMI						
Model	Capacity (Gallons)		External Dimensions - mm (inches)			
	Effective (Gallons)	Nominal (capacity) (Gallons)	TOP (D ₁) mm (inches)	BASE (D ₂) mm (inches)	H ₁ mm (inches)	H ₂ mm (inches)
BM 25/50	25	50	940 (37)	813 (32)	356 (14)	457 (18)
BM 75	-	75	813 (32)	585 (23)	965 (38)	1067 (42)
BM 50/80	50	80	1143 (45)	915 (36)	457 (18)	584 (23)
BM 70/100	70	100	1245 (49)	1041 (41)	533 (21)	685 (27)
BM 100/150	100	150	1270 (50)	1041 (41)	660 (26)	736 (30)
BM 150/200	150	200	1550 (59)	1245 (46)	660 (26)	864 (34)
BM 150/200B	150	200	1117 (44)	914 (36)	-	914 (36)
BM 200/250	200	250	1575 (62)	1295 (51)	787 (31)	914 (36)
BM 200/250A	200	250	1270 (50)	1015 (40)	-	1320 (52)
BM 250/300	250	300	1550 (61)	1295 (51)	940 (37)	1067 (42)
BM 300/350	300	350	1473 (58)	1194 (47)	1346 (53)	1549 (61)
BM 300/400	300	400	1651 (65)	1346 (53)	1092 (43)	1168 (46)
BM 400/500	400	500	1753 (69)	1448 (57)	1168 (46)	1321 (52)
BM 500/600	500	600	1829 (72)	1524 (60)	1321 (52)	1422 (56)

P.E. Tank™ Properties - Square Series • Category: SEGI						
Model	Capacity (Gallons)		External Dimensions - mm (inches)			
	Effective (Gallons)	Nominal (capacity) (Gallons)	TOP (D ₁) mm (inches)	BASE (D ₂) mm (inches)	H ₁ mm (inches)	H ₂ mm (inches)
SG 30	-	30	736 x 508 (29 x 20)	533 x 355 (21 x 14)	381 (15)	406 (16)
SG 50	25	50	990 x 965 (39 x 38)	787 x 762 (31 x 30)	330 (13)	355 (14)
SG 50/80	50	80	1245 x 1219 (49 x 48)	1041 x 1016 (41 x 40)	356 (14)	457 (18)
SG 70/100	70	100	1270 x 1270 (50 x 50)	1067 x 1067 (42 x 42)	457 (18)	588 (21)
SG 100/150	100	150	1321 x 1321 (52 x 52)	1092 x 1092 (43 x 43)	559 (22)	660 (26)
SG 150/200	150	200	1534 x 1499 (60 x 59)	1219 x 1219 (48 x 48)	609 (24)	686 (27)
SG 200/250	200	250	1473 x 1448 (58 x 57)	1194 x 1194 (47 x 47)	787 (31)	838 (33)
SG 250/300	250	300	1499 x 1473 (59 x 58)	1219 x 1194 (48 x 47)	965 (38)	1041 (41)
SG 300/400	300	400	1524 x 1575 (60 x 62)	1143 x 1143 (45 x 45)	1194 (47)	1270 (50)

CLOSED TOP SERIES



NOTE:

- All dimension are rounded-off to the nearest 10mm (or 0.5 inch).
- Only water tanks which 3000 Gallons and above will be supplied with internal/external ladder and level indicator.
- Tank properties subject to change without prior notice.
- Dimension given above are for space required for installation purposes only.
- The manufacturer reserves the right to amend or change the design, patterns and specifications without any prior notice as continuous improvement achieved.

Polyethylene

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Density	938 kg/m ³	ISO 1872/1-1986
Tensile Strength	16 MPa	ISO/R527-1966 : Type 2 speed D
Elongation	>200%	ISO/R527-1966 : Type 2 speed D
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Softening Point	117°C	ISO 306
Thermal Conductivity	0.48 W/m°C	ASTM C117
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Linear Expansion	10 x 10 ⁻⁴ /°C	ASTM D696

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P.E. Tank™ Properties - Circular Closed Top Series

Model	Product Number	Capacity (Gallons)	Dimensions - mm (inches)		
			D	H	H ₁
PE 400	PE CT-400/500	N 400/500	1400 (55)	1500 (59)	1321 (52)
PE 600	PE-CT-600/700	N 600/700	1400 (55)	2160 (85)	1982 (78)
PE 900	PE-CT-900/1000	N 900/1000	2300 (91)	1100 (43)	970 (38)
PE 1000	PE-CT-1000/1200	N 1000/1200	1755 (69)	2180 (86)	1760 (69)
PE 1300	PE-CT-1300/1500	N 1300/1500	1755 (69)	2820 (111)	2390 (94)
PE 1500	PE-CT-1500/1800	N 1500/1800	2300 (91)	2100 (83)	1550 (61)
PE 2000	PE-CT-2000/2200	N 2000/2200	2300 (91)	2660 (105)	2130 (84)
PE 3000	PE-CT-3000/3400	N 3000/3400	3000 (118)	2200 (87)	1950 (77)
PE 4000	PE-CT-4000/4400	N 4000/4400	3000 (118)	2850 (112)	2720 (107)

INSTALLATION INSTRUCTION

Open Top Series

1. The centre line of the Ball-Valve should be approximately 50mm from top of the tank
2. Before installation check tank thoroughly to ensure it is in good condition. If in doubt refer Mui Fatt or distributors.
3. Place the tank on top a flat supporter, eg flat plywood or concrete, at 90 degree angle vertically for a uniform pressure support over the tanks entire base.
4. Support and align all pipes connection to the tank **DO NOT OVERTIGHTENED THE BACKNUT AGAINST THE TANK**
5. Use only plastic, rubber washers and PTFE tapes when connecting and joining pipes and other attachments to the tank **DO NOT USE PUTTY OR ANY FORM OF JOINTING COMPOUND.**
6. Circular hole for fixing pipes should be clean-edged and notch-free by using sharp hollow punch, hole saw or sharp driller or other sharp cutter that makes perfect circular hole, Scoring or scratching the tank should not be used for setting out the holes.
7. Water outlet should be drilled within the flat corner or base portion.
8. **DO NOT PLACED THE TANK NEAR A HEATER, ELECTRICAL LIGHT BULB OR OTHER SOURCE OF HEAT.**
9. When cascading/ parallel tank is necessary, only link the tanks as diagram (9).
10. Always use the right size lid as recommended.

Warranty Terms & Conditions:

- (i) 8 years (outdoor) and/or 10 years (indoor) warranty covers PE. Tank MS 1225:1991 tanks only.
- (ii) We Shall not be held responsible for any defects or damages to the tank if above installation instructions are not adhered to.
- (iii) Our liability is strictly limited to replacing the water tanks. The company will not be responsible for any consequential loss resulting from the tanks.
- (iv) Our PE. Tanks are used for cold water storing on elevated even surface as clause No. 3.

Closed Top Series

1. PE. Tanks should lifted/unloaded using crane or similar by using rapes or nylons slings to lifting lugs provided **NOT** lifting at side fittings.
2. PE. Tanks should only lift when empty of liquid / water.
3. PE. Tanks should place on an elevated even surface, such as concrete platform at least 10 inch (250mm) height from ground level, free of debris or stones.
4. After PE. Tanks is positioned and all connecting pipes works is correctly aligned and supported with steel / concrete footing
5. After lift/ loading using crane to the lorry/ low larder tanks must be safeguarded by wrapping slings around the body of tanks. Strictly **NOT** on pipes fitting
6. PE. Tank surrounding area should have fencing to prohibit unauthorised person's to prevent incidents eg Strike on tanks with hammer, spanner or sharp object.
7. PE. Tanks should not place near heater, electric light-bulb or other source of heat.

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Authorised Distributor :

