

P.E. MF Tank™

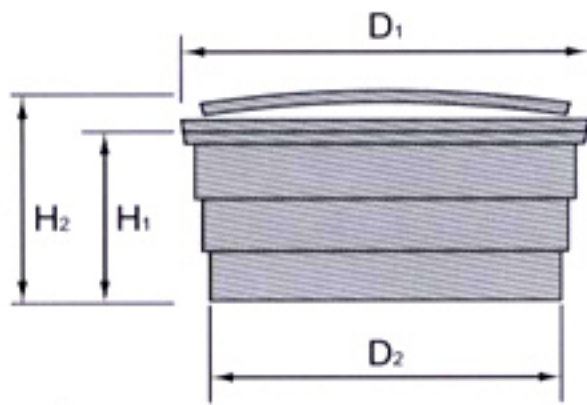
LMD POLYETHYLENE WATER TANK

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



MS 1225 :1991

💧 Closed Top and Open Top Series 💧



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 Strength	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

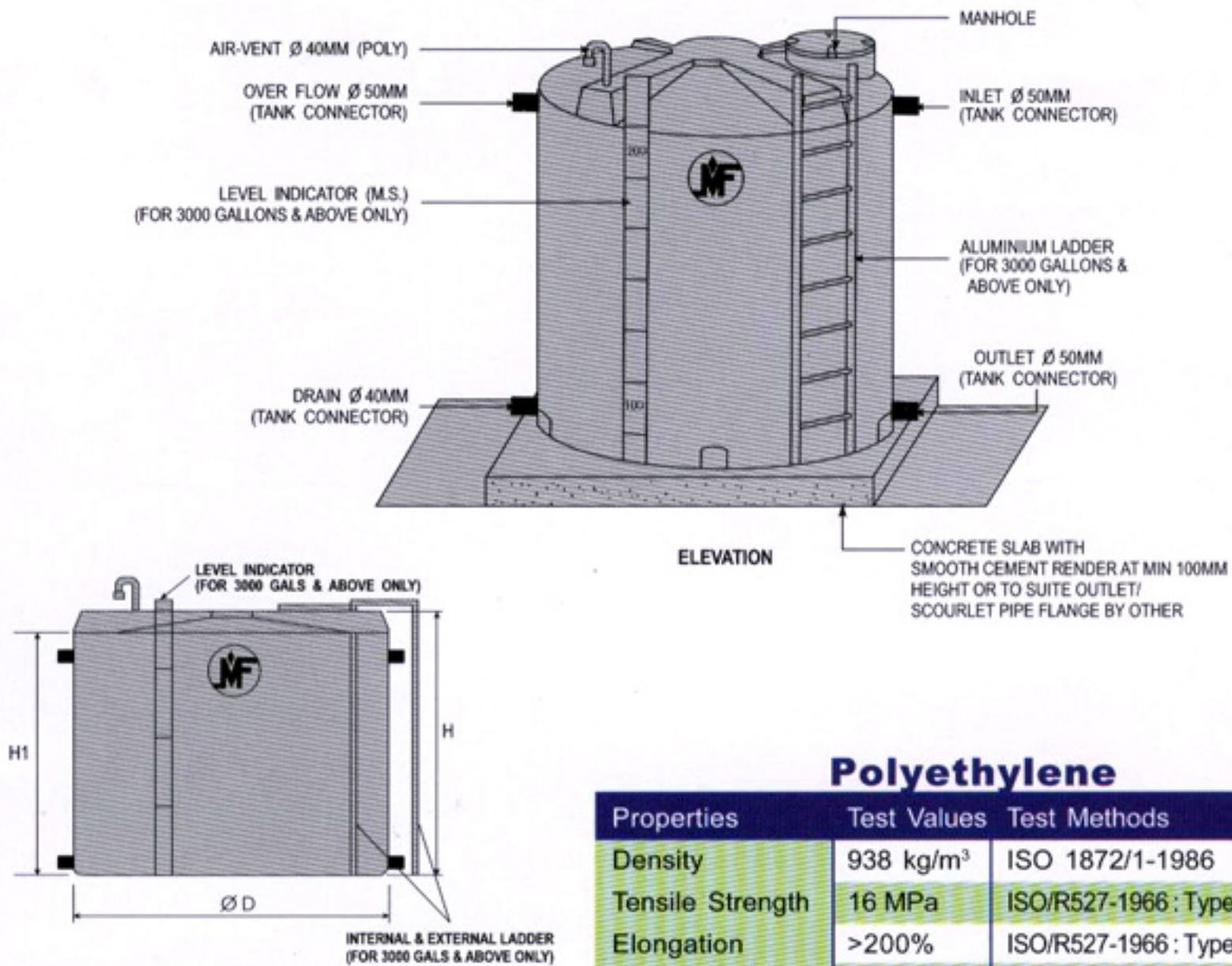
• Category: BUMI

Model	Capacity (Gallons)		External Dimensions - mm (inches)				List Price (RM)
	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)	110
BM 75	-	75	813 (32)	585 (23)	965 (38)	1067 (42)	140
BM 50/80	50	80	1143 (45)	915 (36)	457 (18)	584 (23)	145
BM 70/100	70	100	1245 (49)	1041 (41)	533 (21)	685 (27)	175
BM 100/150	100	150	1270 (50)	1041 (41)	660 (26)	736 (29)	245
BM 150/200	150	200	1550 (61)	1245 (49)	584 (23)	686 (27)	330
BM 200/250	200	250	1575 (62)	1295 (51)	787 (31)	914 (36)	410
BM 250/300	250	300	1550 (61)	1295 (51)	940 (37)	1067 (42)	490
BM 300/350	300	350	1473 (58)	1194 (47)	1346 (53)	1549 (61)	570
BM 300/400	300	400	1651 (65)	1346 (53)	1092 (43)	1168 (46)	650
BM 400/500	400	500	1753 (69)	1448 (57)	1168 (46)	1321 (52)	820
BM 500/600	500	600	1829 (72)	1524 (60)	1321 (52)	1422 (56)	950

P.E. Tank™ Properties - Square Series

• Category: SEGI

Model	Capacity (Gallons)		External Dimensions - mm (inches)				List Price (RM)
	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)	105
SG 50	25	50	990 x 965 (39 x 38)	787 x 762 (31 x 30)	330 (13)	355 (14)	130
SG 50/80	50	80	1245 x 1219 (49 x 48)	1041 x 1016 (41 x 40)	356 (14)	457 (18)	175
SG 70/100	70	100	1270 x 1270 (50 x 50)	1067 x 1067 (42 x 42)	457 (18)	588 (21)	195
SG 100/150	100	150	1321 x 1321 (52 x 52)	1092 x 1092 (43 x 43)	559 (22)	660 (26)	290
SG 150/200	150	200	1534 x 1499 (60 x 59)	1219 x 1219 (48 x 48)	609 (24)	686 (27)	385
SG 200/250	200	250	1473 x 1448 (58 x 57)	1194 x 1194 (47 x 47)	787 (31)	838 (33)	480
SG 250/300	250	300	1499 x 1473 (59 x 58)	1219 x 1194 (48 x 47)	965 (38)	1041 (41)	620
SG 300/400	300	400	1524 x 1575 (60 x 62)	1143 x 1143 (45 x 45)	1194 (47)	1270 (50)	730



- 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
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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 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-3000/3500	N 3000/3500	2300 (91)	3620 (143)	3160 (125)
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, e.g. flat plywood or concrete, at 90 degree angle vertically for a uniform pressure support over the tank's 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 drill 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 links the tanks as diagram (9).
10. Always use the right size lid as recommended.

Warranty Terms & Conditions:

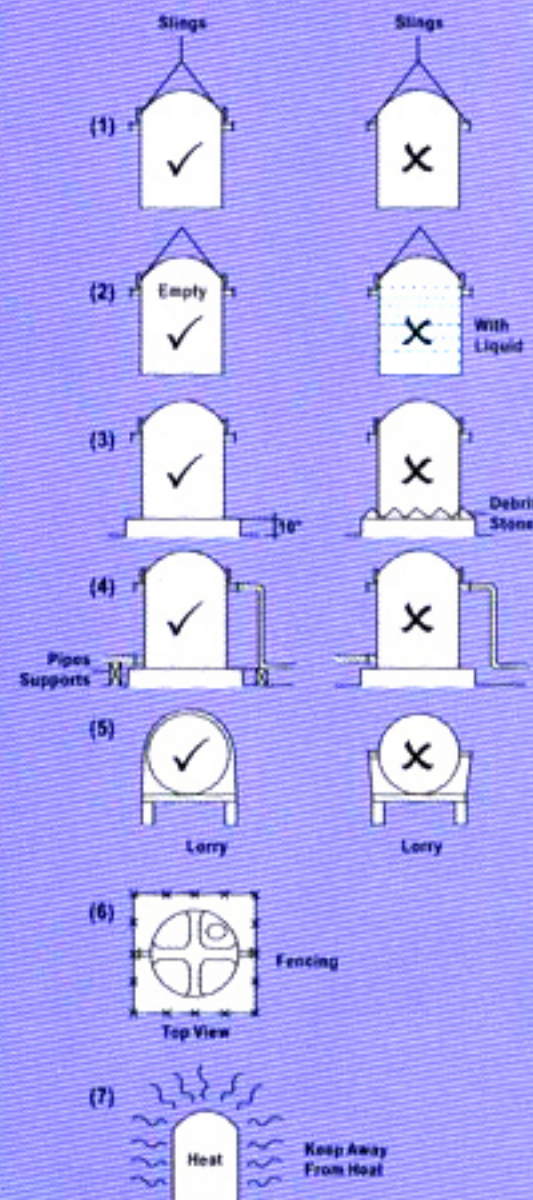
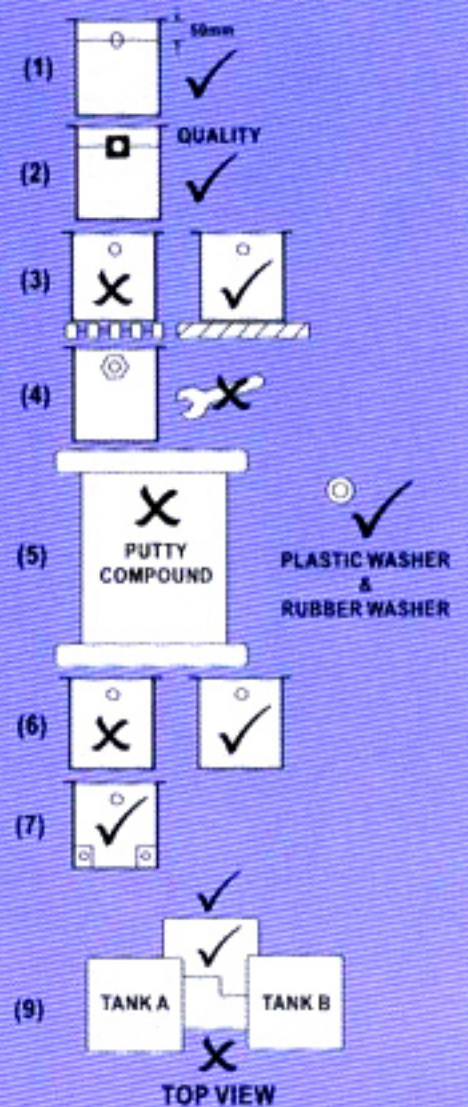
- (i) 2 years (outdoor) and/or 3 years (indoor) warranty covers P.E. Tank MS 1225:1991 tanks only.
- (ii) We shall not be held responsible for any defects or damages to the tank if above installation instructions are not adhered to.
- (iii) Our liability is strictly limited to replacing the water tanks. The company will not be responsible for any consequential loss resulting from the tanks.
- (iv) Our P.E. Tanks are used for cold water storing on elevated even surface as clause No. 3.

Closed Top Series

1. P.E. Tanks should lifted/ unloaded using crane or similar by using ropes or nylons slings to lifting lugs provided NOT lifting at side fittings.
2. P.E. Tanks should only lift when empty of liquid/ water.
3. P.E. 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 P.E. 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. P.E. Tanks surrounding area should have fencing to prohibit unauthorised person's to prevent incidents eg. Strike on tanks with hammer, spanner or sharp object.
7. P.E. Tanks should not place near heater, electric light-bulb or other source of heat.

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Authorised Distributor:

