



PLASTIC PRODUCTS FOR GREENHOUSE HORTICULTURE MADE TO FIT



MIXING TANKS STORAGE TANKS SPILL CONTAINERS UNDERGROUND TANKS WALL PANELS



KEMELING
plastics

An effective water management system is indispensable for modern greenhouse horticulture.

Every crop demands different specifications, so a correct design is essential. Kemeling Plastics is a total supplier of plastic constructions in HDPE and PP, which are a popular solution for optimum layout of the substrate areas. Kemeling has many years of experience, resulting in optimisation of the production process to ensure a short lead time / fast delivery time and highly competitive prices.



1. MIXING TANKS (A & B tanks)

Round tanks
The range of open mixing tanks has been developed to allow optimal mixing of fertilizers. The material HDPE is ideal for this purpose, thanks to its high chemical resistance. HDPE is also recyclable and extremely durable: the tanks are calculated to have twenty years of intensive use under variable conditions with most of the standard fertilizers on the market. The calculation report is available on request, and conforms to the current guidelines and legislation for the manufacture of welded HDPE tanks. The covers are designed to be easily removable, with hatch dimensions of 600 x 600 mm or 1200 x 1200 mm. The large tanks have a hatch of 1200 x 1200 mm, so that Big Bags can be used. We also offer fully customised mixing tanks (round / square / rectangular), made to your own specifications.

Rectangular tanks
An alternative for the round mixing tanks are the rectangular closed tanks. They can optionally be made with different compartments for mixing the fertilizers and/or storage of trace elements. The closed tanks are made from PP (polypropylene). These models are available in a standard range, but can also be manufactured entirely according to your own specifications, allowing optimum utilisation of space. The tanks can be fitted with hinged hatch covers / screw covers / mixing motors and various connection options.

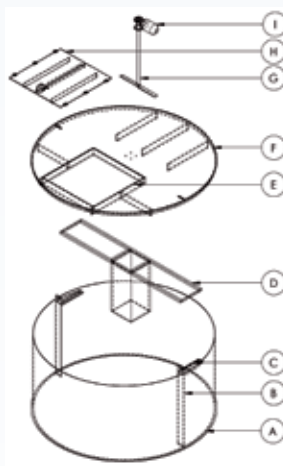
Tank (A)				Lid (F)	
Capacity (ltr)	Ø Bottom (mm)	Height int. (mm)	Art. Nr.	Art. Nr.	Version lid and hatch (E,F,H)
1000	1220	1000	917008	976008	Removable lid with hinged hatch 600 x 600 mm
2500	1910	1000	917012	976012	Removable lid with hinged hatch 600 x 600 mm
5000	2660	1000	917017	976017	Removable lid with hinged hatch 1200 x 1200 mm
7500	3250	1000	917019	976019	Removable lid with hinged hatch 1200 x 1200 mm

1000	1100	1250	973008	977008	Removable lid with hinged hatch 600 x 600 mm
2500	1710	1250	973012	977012	Removable lid with hinged hatch 600 x 600 mm
5000	2320	1250	973017	977017	Removable lid with hinged hatch 1200 x 1200 mm
7500	2910	1250	973019	977019	Removable lid with hinged hatch 1200 x 1200 mm
10000	3360	1250	973020	977020	Removable lid with hinged hatch 1200 x 1200 mm

1000	1020	1500	975008	978008	Removable lid with hinged hatch 600 x 600 mm
2500	1570	1500	975012	978012	Removable lid with hinged hatch 600 x 600 mm
5000	2190	1500	975017	978017	Removable lid with hinged hatch 1200 x 1200 mm
7500	2670	1500	975019	978019	Removable lid with hinged hatch 1200 x 1200 mm
10000	3070	1500	975020	978020	Removable lid with hinged hatch 1200 x 1200 mm

Options open mixing tanks (A and B)	
92091 / 92243 / 90294	Mixing strip H: 1000 mm / 1250 mm / 1500 mm (B)
443001 / 443002 / 443003	Filling level indicator H: 1000 mm / 1250 mm / 1500 mm (B)
91811	Support for mixing frame(C)
443004	Stainless steel frame for mixing motor (D)
443004	Mixing motor (I) with stainless steel mixer (G)
Not Applicable	Export / Container version
Not Applicable	Connections (flanges / thread)

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Capacity (ltr)	Ø Bottom (mm)	Height int. (mm)	Art. Nr.	Version lid and hatch (E,F,H)
1000	1140 x 1140	1000	92158	Welded lid with hinged hatch 600 x 600 mm
3000	2340 x 1500	1000	92159	Welded lid with hinged hatch 600 x 600 mm
5000	2590 x 2190	1000	91928	Welded lid with hinged hatch 1200 x 1200 mm
7500	3090 x 2590	1000	91930	Welded lid with hinged hatch 1200 x 1200 mm
10000	4090 x 2590	1000	91932	Welded lid with hinged hatch 1200 x 1200 mm

Options closed mixing tanks (A and B)	
443004	Mixing motor (I) with stainless steel mixer
Not Applicable	Connections (flanges / thread)

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2. CLOSED TANKS for the storage of liquid fertilizers

Kemeling Plastics produces round, vertical storage tanks for both horticulture and industry. It is mandatory for chemical tanks to be manufactured according to German DVS welding standards. The tanks are calculated to have a design life of 20 years of intensive use, and are made from UV-resistant black HDPE100.

The tanks are available in two versions: the standard version is A, while version B is for more aggressive chemicals. The medium list (given on www.kemeling.nl) shows which version is suitable for you. If the relevant medium is not included there, you are welcome to contact our Sales department.



Capacity (ltr)	Art. Nr.	Version A		Version B		
		Ø Bottom (mm)	Heigth int. (mm)	Art. Nr.	Ø Bottom (mm)	Heigth int. (mm)
1000	101001	1000	1553	101013	1000	1553
1500	101002	1300	1339	101014	1300	1339
2000	101003	1300	1779	101015	1300	1779
3000	101004	1300	2659	101016	1300	2698
4000	101005	1660	2143	101017	1660	2156
5000	101006	1660	2689	101018	1660	2712
7000	101007	2000	2556	101019	2000	2607
10000	101008	2200	3051	101020	2600	2168
15000	101009	2500	3536	101021	3000	2436
20000	101010	2750	3868	101022	3300	2685
25000	101011	3300	3353	101023	3300	3353
30000	101012	3300	4012	101024	3300	4012

Options closed tanks for the storage of liquid chemicals		
Manhole:	DN600	Included
Lifting lugs:	2	Included
Identification plate:	1	Included
Level indicator:	Transparent pipe with indicator	4471000
Other connections:	Connections (flanges / thread)	Optional

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3. OPEN SPILL CONTAINERS for closed storage tanks

Under the current legislation and regulations, it is mandatory to have a spill container when using closed storage tanks for fertilizers. One option is to use a 'Tank in Tank' solution, where the storage tank is placed in a round spill container. These spill containers are calculated to have 20 years of use, and are equipped with lifting lugs and an identification plate.



Capacity (ltr)	Art. Nr.	Version A		Version B		
		Ø Bottom (mm)	Heigth int. (mm)	Art. Nr.	Ø Bottom (mm)	Heigth int. (mm)
1000	102001	1158	1227	102013	1158	1227
1500	102002	1458	1136	102014	1458	1136
2000	102003	1458	1512	102015	1458	1512
3000	102004	1458	2265	102016	1460	2267
4000	102005	1818	1912	102017	1822	1916
5000	102006	1820	2390	102018	1825	2395
7000	102007	2162	2352	102019	2170	2360
10000	102008	2365	2802	102020	2770	2042
15000	102009	2670	3291	102021	3175	2326
20000	102010	2925	3655	102022	3480	2581
25000	102011	3475	3213	102023	3475	3213
30000	102012	3475	3851	102024	3480	3856

Options closed tanks for the storage of liquid chemicals		
Lifting lugs:	2	Included
Identification plate:	1	Included

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4. TWIN-WALLED SPILL CONTAINERS for closed storage tanks

An alternative for the 'Tank in Tank' solution is the customised twin-walled spill container. The closed storage tanks are placed in rectangular spill containers; an important condition here is that the storage tanks containing acids and the storage tanks containing bases must be placed separately in two different spill containers. The spill containers must have a containment capacity of at least 110% of the volume of the largest tank, or (if this is more) at least 10% of the total volume of all the tanks.

5. OPEN SPILL CONTAINERS for containment of hazardous materials in individual packagings

In addition to the storage of fertilizers in storage tanks, hazardous materials in individual packagings are also stored in the water management rooms of horticultural companies. To ensure that these materials are stored safely and in compliance with the legislation and regulations, spill containers can be used. We have developed a standard range to optimally meet our customers' requirements, and in many cases this will be sufficient. However, there is also the option of producing fully customised spill containers, according to your own specifications. The grating of the spill containers is made from hard-wearing GFRP (glass fibre reinforced plastic).



Number of cans (25 liter)	Length ext. (mm)	Width ext. (mm)	Height ext. (mm)	Capacity	Roster incl.		Roster excl.	
					Art. Nr.	Max. weight	Art. Nr.	Art. Nr.
2	716	366	158	36 liter	91067	220 Kg	91057	
4	716	716	158	73 liter	91069	440 Kg	91059	
6	1066	716	158	110 liter	91071	660 Kg	91061	
8	1416	716	158	147 liter	91073	880 Kg	91063	
12	1766	716	158	183 liter	91077	1100 Kg	91065	

Number of cans (50 liter)	Length ext. (mm)	Width ext. (mm)	Height ext. (mm)	Capacity	Roster incl.		Roster excl.	
					Art. Nr.	Max. weight	Art. Nr.	Art. Nr.
2	716	366	268	63 liter	91066	220 Kg	91056	
4	716	716	268	127 liter	91068	440 Kg	91058	
6	1066	716	268	191 liter	91070	660 Kg	91060	
8	1416	716	268	254 liter	91072	880 Kg	91062	
12	1766	716	268	318 liter	91076	1100 Kg	91064	

Number of drums	Length ext. (mm)	Width ext. (mm)	Height ext. (mm)	Capacity	Roster incl.	
213 liter	60 liter				Art. Nr.	Max. weight
1	2	716	716	508	92164	440 Kg
2	3	1416	716	258	92165	880 Kg
3	4	2116	716	258	92166	1320 Kg
4	6	2816	716	258	92167	1760 Kg
4	6	1250	1250	258	92168	1400 Kg
5	7	3166	716	258	92169	2200 Kg
6	7	3866	716	258	92170	2695 Kg
7	8	4566	716	258	92171	3185 Kg
8	x	5616	716	258	92172	3525 Kg
8	x	2516	1266	408	92173	2810 Kg

Number of IBC's	Length ext. (mm)	Width ext. (mm)	Height ext. (mm)	Capacity	Roster incl.	
1000 liter					Art. Nr.	Max. weight
1	1266	1266	758	1171 liter	92174	1400 Kg
2	2516	1266	408	1250 liter	92175	2810 Kg
3	3766	1266	258	1171 liter	92176	4215 Kg
4	5016	1266	258	1562 liter	92177	5625 Kg
5	6016	1266	258	1875 liter	92178	7030 Kg
6	7216	1266	258	2250 liter	92179	8435 Kg

Options for open collection tanks for the storage of dangerous substances in packaging	
Forklift profiles in the collection tank	Optional
Plastic additional back panel	Optional
Plastic additional side panels	Optional
Connections (flanges / thread)	Optional

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6. UNDERGROUND TANKS

Our standard underground tanks are made from HDPE or PP, and are used for e.g. the collection, recirculation, storage and distribution of drain water. Three standard models are available, but underground tanks could also be fully customised to your own specifications.

Capacity	Ø Bottom (mm)	Ø Cylinder int. (mm)	Height int. (mm)	Art. Nr.
1000	1500	1200	1000	103001
1500	1500	1200	1500	103002
2000	1500	1200	2000	103003
Walkable lid with manhole Ø570 mm				103004
Walkable lid, 1/3 hinged				103005
HDPE pipe Ø 50 t/m Ø125 mm L:200 mm mounted				103006
HDPE pipe Ø 140 t/m Ø160 mm L:200 mm mounted				103007
HDPE pipe Ø 180 t/m Ø250 mm L:200 mm mounted				103008

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7. WALL PANELS

For mounting plastic pipes and/or electrical systems, Kemeling Plastics can produce a foamed PVC wall panel to your own specifications.

Foamed PVC is stiff, lightweight, UV-resistant and easy to process. The wall panel can be supplied as either a flatpack or a finished product.





8. MIXING AND DOSING TABLES

Cabinets and tables for manual dosing of hazardous materials

Modern water management systems in the horticultural sector are increasingly computer-controlled, but there are still some substances that must be added manually. To ensure that this can be done responsibly, Kemeling has developed plastic tables and cabinets which allow manual dosing to be performed safely and in compliance with OHS requirements. The cabinets are made in 3 standard models, but can also be fully customised to your own specifications, with ease-of-use as the top priority.



Width (mm)	Depth (mm)	Height (mm)	Art. Nr.	Version
1250	425	1125	100144	For 5, 15 of 20 litre cans
1500	525	1125	92160	For 5, 30 litre cans
1370	800	1000	92239	For 3, 60 litre drums

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9. OTHER CUSTOMISED PLASTIC CONSTRUCTIONS

Kemeling manufactures customised plastic constructions for use in many different sectors.

Our customised products for the horticultural sector include, for instance:

- Protective covers for machines
- Closed tanks for trolley sprayers
- Open tanks for use in steel units
- Tanks for water meters
- Tanks for filtering ditchwater
- Push-out plates for plant trays
- Drip trays for nozzles at filling points



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FOR MORE INFORMATION AND CURRENT PRICES:

T +31 (0) 174 621237 WWW.KEMELING.NL