



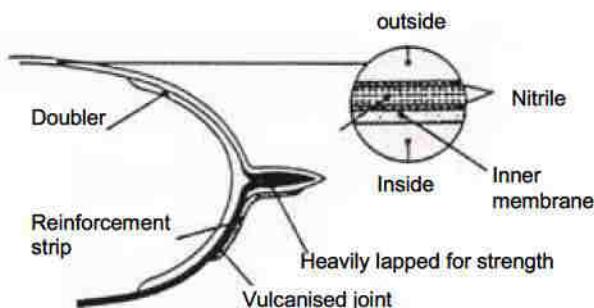
 **NAUTA®**
FLEXIBLE TANKS AND FITTINGS

THE FLEXIBLE TANK

The technique of storing and transporting liquids through the use of flexible tanks has many advantages :

- lightness
- handiness
- adaptability
- fiability

NAUTA® FLEXIBLE TANKS provide many advantages over rigid tanks and have therefore, become very popular with both yacht-builders and boat owners.



Each of these tanks uses an extremely rugged 935-dtex nylon fabric, coated on both sides with a neoprene / nitrile compound.

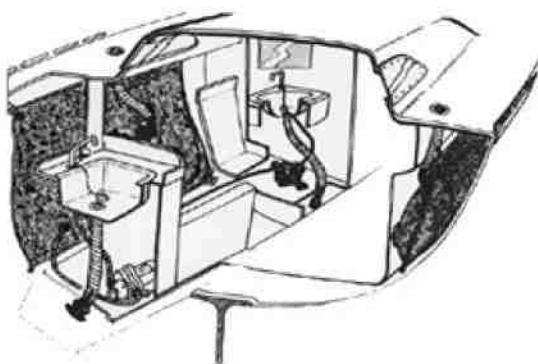
Heavily lapped seams are inside-reinforced with a "doubler" to provide extra strength. All NAUTA® tanks are vulcanised to assure leakproof panels and seams for years of trouble-free service.

All are covered by a warranty

Because of their flexibility and the NAUTA® range of sizes, these tanks can fit into almost any space, especially those odd-shaped places that would otherwise be wasted.

NAUTA® tanks are very easy to work with. Several for water and holding are available with fittings already installed. But NAUTA®'s construction allows custom placement of fittings to suit your particular requirements and makes it simple to install them (see fittings).

FOR WATER



Our most popular application is also the easiest way to increase or replace water capacity on boats whose tank is inadequate or deteriorated.

NAUTA® flexible water tanks use an exclusive Tedlar™ inside lining to maintain a taste-free system most PVC, fiberglass, other plastics and metal contribute a distinct, unpleasant flavour to fresh water, Tedlar™ does not. No venting is required for water tanks; only a fill pipe and a simple draw line to head and / or gallery pumps.

5 years warranty coverage.

These tanks are also popular among some sailors who use them as ballast tank, knowing that the contents can also be used for emergency drinking water.



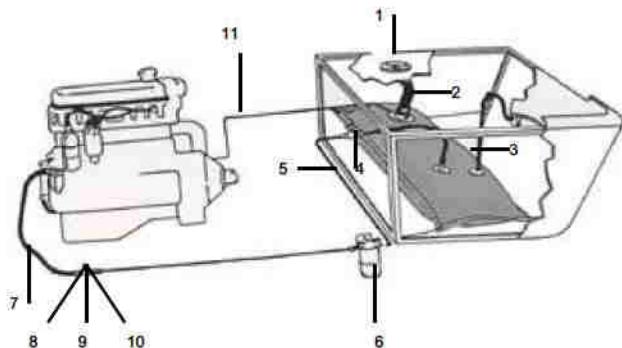
Boulevard de l'Eurozone 102
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FOR DIESEL

BIG CAPACITY GAS TANK



- 1. Deck plug filler
- 2. Filler tube
- 3. Vent
- 4. Valve
- 5. Fuel line
- 6. Fuel Filter
- 7. Flexible fuel line
- 8. fuel line bracket
- 9. fuel line connector
- 10. Bolt
- 11. Earth

(example of installation for a gasoline engine)

NAUTA® flexible gas tanks can dramatically extend the range of powered sail and motor boats. They can be deck or cockpit mount to gravity feed (or be hand-pumped) to tankage below decks. And, when empty, these tanks can be rolled up and stowed.

Sport and commercial fishermen heading into offshore waters and cruisers visiting remote ports (where refuelling may be unavailable or of suspect quality) will find these NAUTA® tanks an ideal, low cost solution.

NAUTA® gas tanks of 200 litres capacity and larger are supplied with adjustable hold-down straps with D-rings. Two N.P.T brass fittings allow this system to connect with conventional fuel line.

1 year warranty coverage

PORTABLE GAS TANK



NAUTA® flexible portable tanks are a remarkable improvement over the traditional painted metal tanks. Perhaps the most noticeable change: they do not leave rust rings on the floorboards or cockpit sole.

These roll-up when empty tanks offer convenience in use and in stowage. They are also more comfortable to carry than most rigid tanks. They do not rust, will not scrape your paint, are easier to tie down and do not rattle when you are underway.

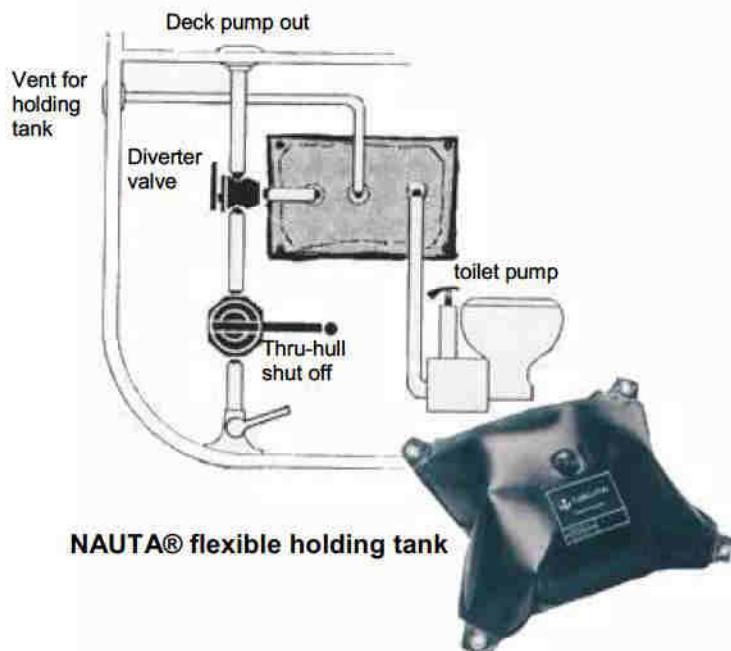
1 year warranty coverage



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FOR HOLDING : A SOLUTION FOR POLLUTION



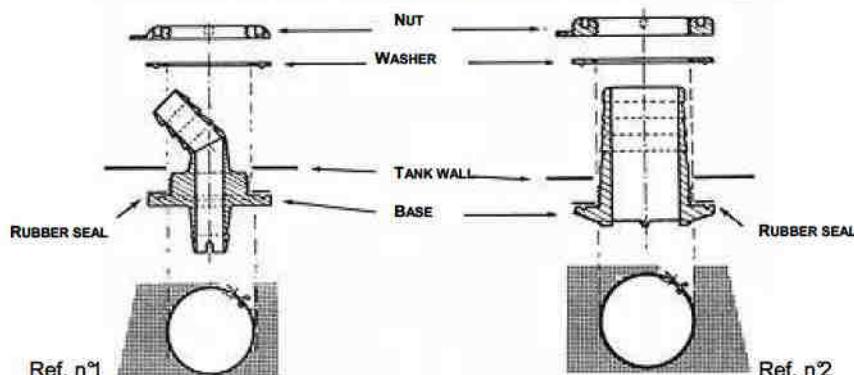
The more rigorously enforced laws against overboard discharge now make non-compliance extremely costly. A NAUTA® flexible holding tank, on the other hand, provides a relatively inexpensive Type III solution. In addition, the Teldar™ lining of these NAUTA® tanks prevents gas permeation, thus stopping a major odour problem with many other holding tanks. Combined with a few other components, this solution is both legal and far less costly than replumbing a vessel or installing a more complex and expensive Type I or Type II system : it occupies less space and requires no electrical power.

1 year warranty coverage

(the illustrated example would allow those travelling into unrestricted waters to pump overboard.)

FITTING THE CONNECTIONS

- Fitting of the connection is generally made on the same side of the tank.
- The position of the nipple will be so that there will be a minimum margin of 100 mm between the connection and the edges of the tank.
- Use the washer (see drawing) to mark out the circumference of the hole to be made in the support. **Its dimension must be the one of the washer inside.**
- Then cut with scissors the marked out hole and take care to separate the two walls of the tank in order to avoid to damage the opposite wall when cutting. it is also necessary to take care not to make a hole of a bigger diameter than the one made in ref. 2.
- Bring the edges of the hole nearer by pinching the fabric and introduce the base of the nipple as a button in a button-hole.
- Place the washer with the edge on fabric side (in order to ensure the imperviousness) and then the screw ring.
- Tighten the ring with the wrench.
- Check the tightening periodically and in particular some days after the fitting installation.



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INSTALLATION TIPS

It is advisable to install your NAUTA® flexible tank in a small "berth" which will help to insure its protection against sharp objects. This berth prevents abnormal wearing from abrasion.

Figure hose lengths with tank empty, and allow sufficient slack.

Use grommets for positioning only, not for supporting a loaded tank. When securing, it is important to remember that tanks expand when loaded; a loose fit in the deflated state or elastic tie-downs will work best.

ADDITIONAL FITTINGS

We have designed a comprehensive range of nylon fittings to be used only on NAUTA® tanks. Each type of fittings is composed of 3 parts which ensure together with the rubber seal and the rubber coated fabric a complete tightness. The necessary fitting for self-installation at the most suitable location on the tank wall. Generally, vent fittings are required on holding or gas tanks (not required on water), should be positioned at the higher end of the tank, while draw fittings are best located at the lower end. Under no condition should fittings be installed on the bottom side of the tank. All fittings should be installed on the bottom side of the tank. All fittings should be installed in the top half of the tank and not closer than 4" to the edge and not through a seam doubler.

MAINTENANCE

NAUTA® flexible tanks used for drinking water will operate more satisfactory if the following procedures are observed.

Before putting in use for the first time, partly fill the tank with warm water (50°C) and a 1% solution of mild detergent.

After a few minutes, rinse with clear water and fill it again with water treated with chlorine tablets (follow package instructions for a 5% concentration). Empty after 2 hours and carefully and thoroughly rinse with clear water. These cleaning operations should be performed with the system fully installed so that all the piping undergoes the same treatment.

When the tank will not be used for a long period (winter layup...), keep it partly filled with water and 10% of chlorine solution. Because it is not possible to completely evacuate the tank, this procedure best prevents the development of micro-organisms which could coat the inside and contribute to a bad taste in water.

Before returning the tank to service, follow the same procedure as used with a new tank. Even if using your tank constantly, this cleaning operation is recommended at 6 months interval. Do not forget that the pipes also contribute to the water's taste and should be involved in the regular cleaning process.



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NAUTA® - Tanks for fresh water and drinking water		
Reference	Capacity (L / Gal.)	Dimension (cm)
NAUTA® 911 120	55 / 14 ½	67 * 62
NAUTA® 911 150	90 / 23 ½	67 * 85
NAUTA® 911 160	135 / 35 ½	67 * 115
NAUTA® 911 170	260 / 68 ½	83 * 139
NAUTA® 911 180	200 / 52 ½	67 * 158
NAUTA® 520 210	150 / 39 ½	110 * 152 * 152

NAUTA® - Gas Tanks & used water holding tanks		
Reference	Capacity (L / Gal.)	Dimension (cm)
NAUTA® 915 120	55 / 14 ½	69 * 64
NAUTA® 915 150	95 / 25	69 * 87
NAUTA® 915 160	140 / 37	69 * 117
NAUTA® 915 180	200 / 52 ½	69 * 160

NAUTA® - Gas Tanks & used water holding tanks (Large Capacity)		
Reference	Capacity (L / Gal.)	Dimension (cm)
NAUTA® 945 621	300 / 80	139 * 127
NAUTA® 945 622	470 / 125	139 * 151
NAUTA® 945 623	600 / 160	139 * 173
NAUTA® 945 624	750 / 200	139 * 204
NAUTA® 945 625	1000 / 265	139 * 256
NAUTA® 945 626	1150 / 300	139 * 278
NAUTA® 945 627	1325 / 350	139 * 320
NAUTA® 945 628	1500 / 400	139 * 362
NAUTA® 945 630	1600 / 422	139 * 382
NAUTA® 945 629	2000 / 530	139 * 466

NAUTA® - Portable Gas Tanks for Outboard Motors		
Reference	Capacity (L / Gal.)	Dimension (cm)
NAUTA® 521 100	25 / 6	42 * 23 * 25
NAUTA® 521 101	35 / 9	42 * 32 * 25
NAUTA® 521 102	50 / 13	42 * 45 * 25
NAUTA® 521 103	70 / 18	42 * 61 * 25
NAUTA® 521 151 IT	35 / 9	73 * 45 * 35 * 17
NAUTA® 521 153 IT	70 / 18	73 * 45 * 35 * 30



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RESERVOIRS SOUPLES

FLEXIBLE TANKS

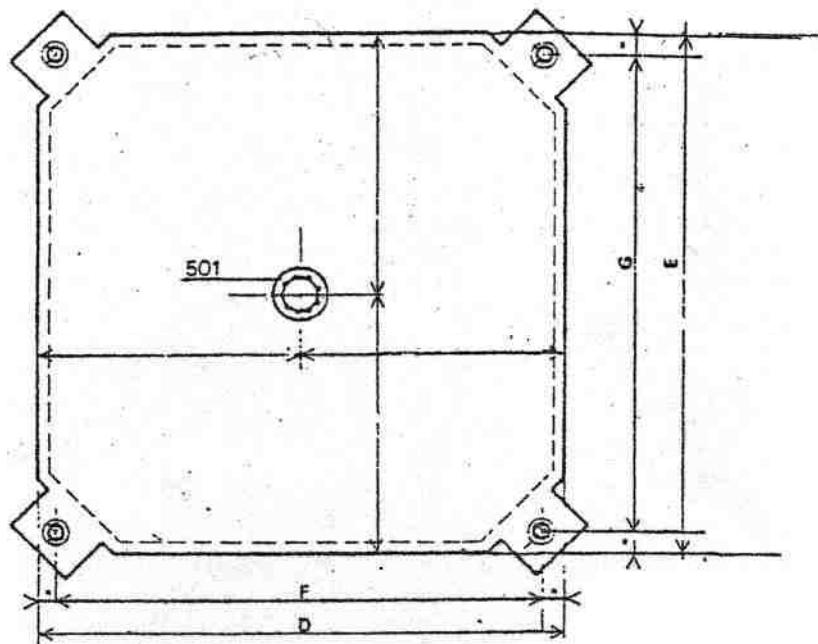
RESERVOIRS EAU DOUCE, EAU POTABLE OU EAU USEE

FLEXIBLE TANKS FOR FRESH WATER, DRINKING WATER OR HOLDING WATER

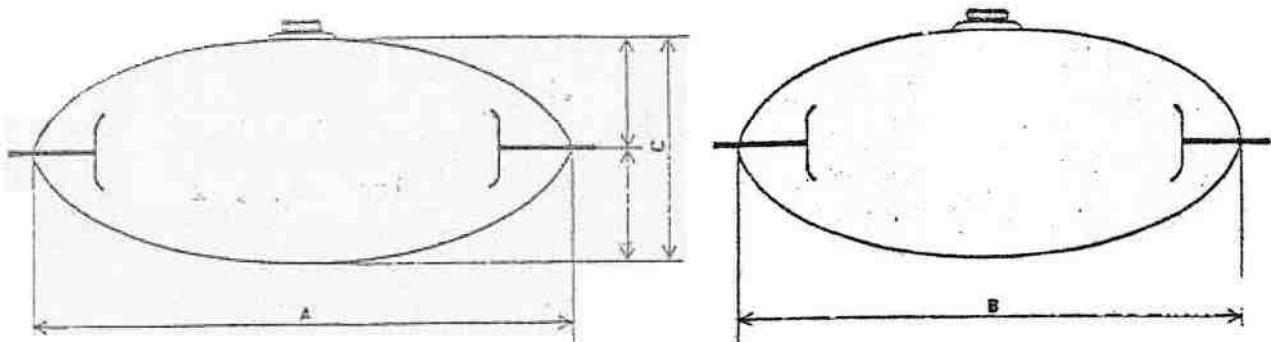


RESERVOIRS POUR EAU FLEXIBLE WATER TANKS

RESERVOIR VIDE (EMPTY TANK)



RESERVOIR PLEIN (FULL TANK)



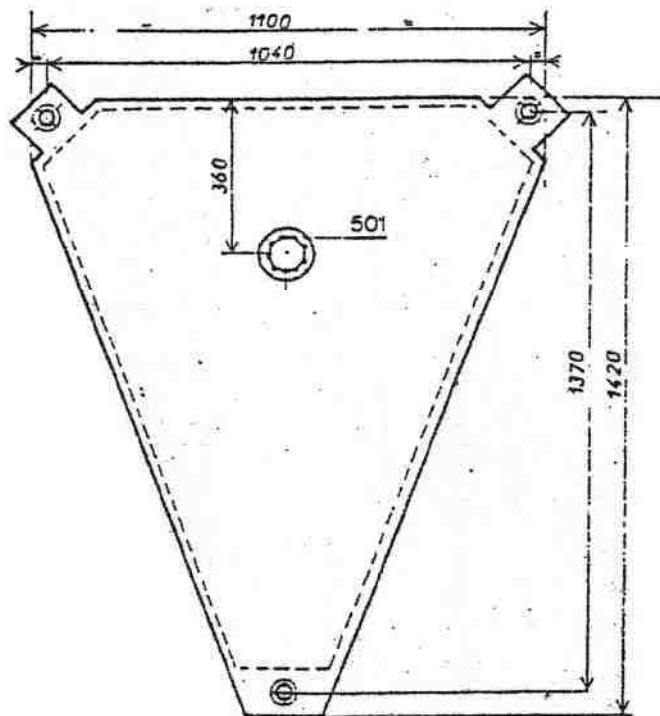
REFERENCE	CAPACITY	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
911 120	55 liters	610	560	300	680	630	630	580
911 150	90 liters	780	600	360	850	670	800	620
911 160	135 liters	1060	600	360	1160	680	1110	630
911 170	260 liters	1320	760	470	1400	850	1350	800
911 180	200 liters	1560	600	390	1590	680	1540	630



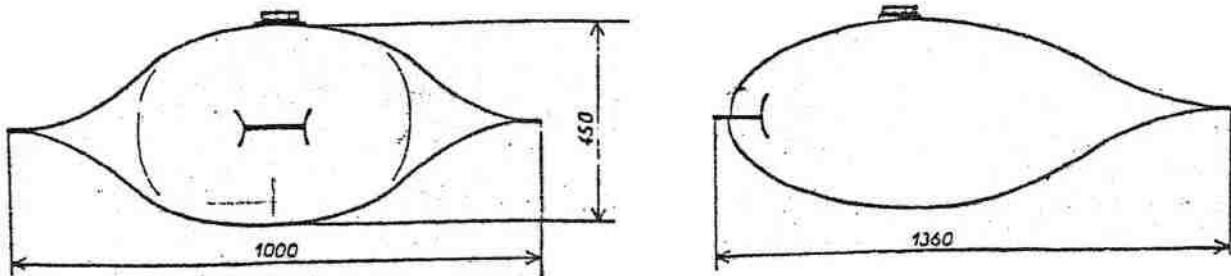
RESERVOIRS POUR EAU *FLEXIBLE WATER TANKS*

REFERENCE 520 210
CAPACITY 150 LITRES

RESERVOIR VIDE / EMPTY TANK



RESERVOIR PLEIN / FULL TANK



Dimension : MM



RESERVOIRS SOUPLES FLEXIBLE TANKS

RESERVOIRS POUR CARBURANTS ET LUBRIFIANTS

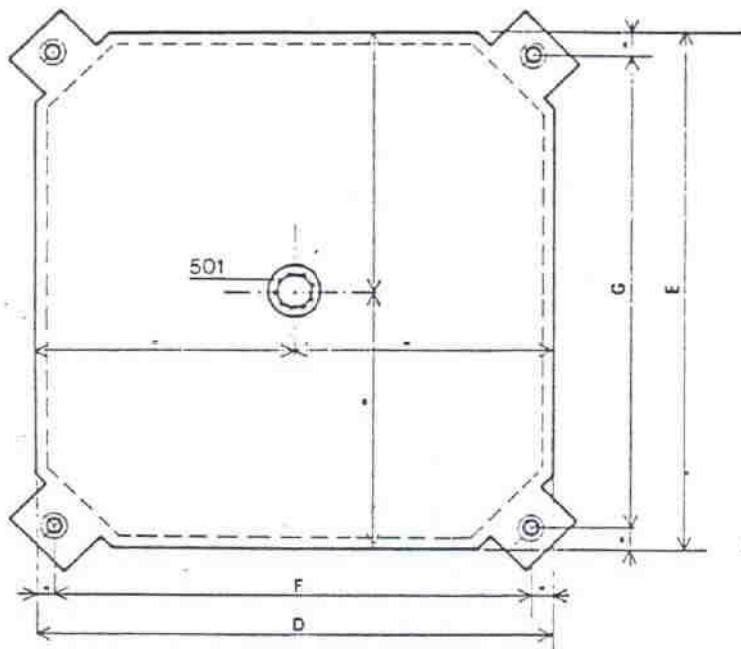
TANKS FOR DIESEL AND OIL



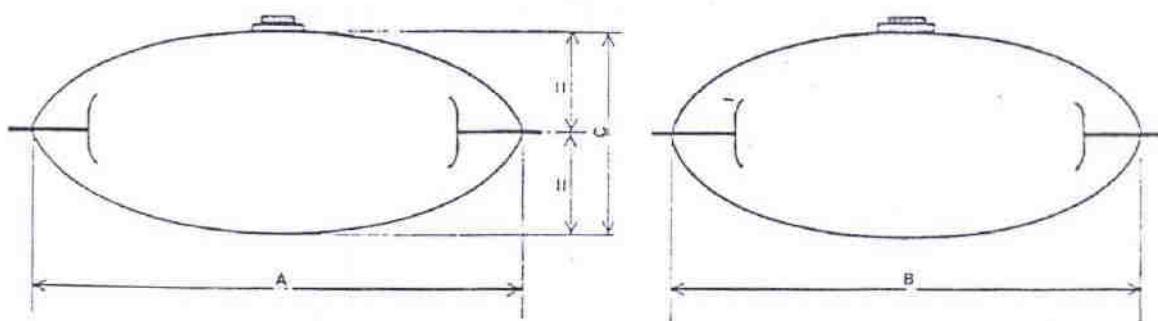
NAUTA®
FLEXIBLE TANKS AND FITTING

RESERVOIRS POUR CARBURANTS ET LUBRIFIANTS TANKS FOR DIESEL AND OIL

RESERVOIR VIDE / EMPTY TANK



RESERVOIR PLEIN / FULL TANK

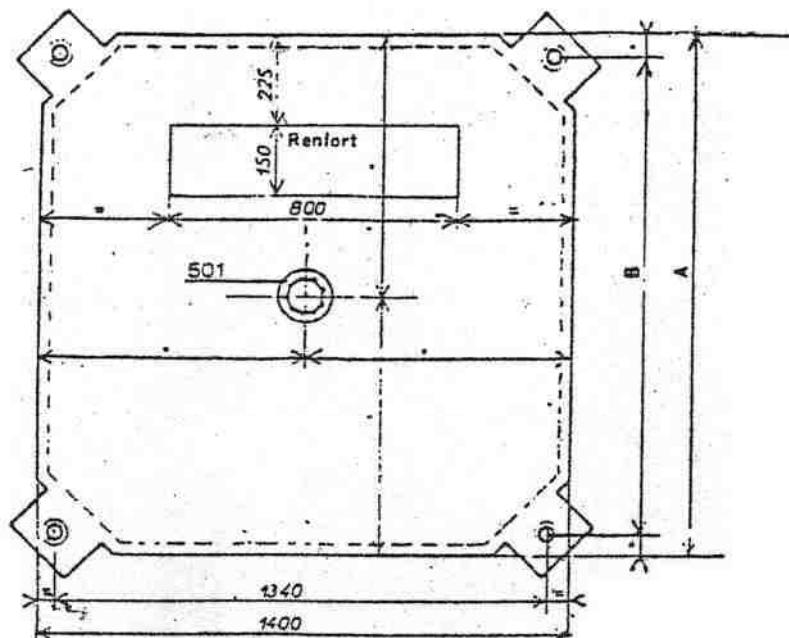


REFERENCE	CAPACITY	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
915 120	55 liters	660	590	250	700	650	650	600
915 150	95 liters	820	640	350	880	700	830	650
915 160	140 liters	1120	640	350	1180	700	1130	650
915 170	230 liters	1340	780	400	1400	850	1350	780
915 180	200 liters	1550	640	350	1610	780	1560	650

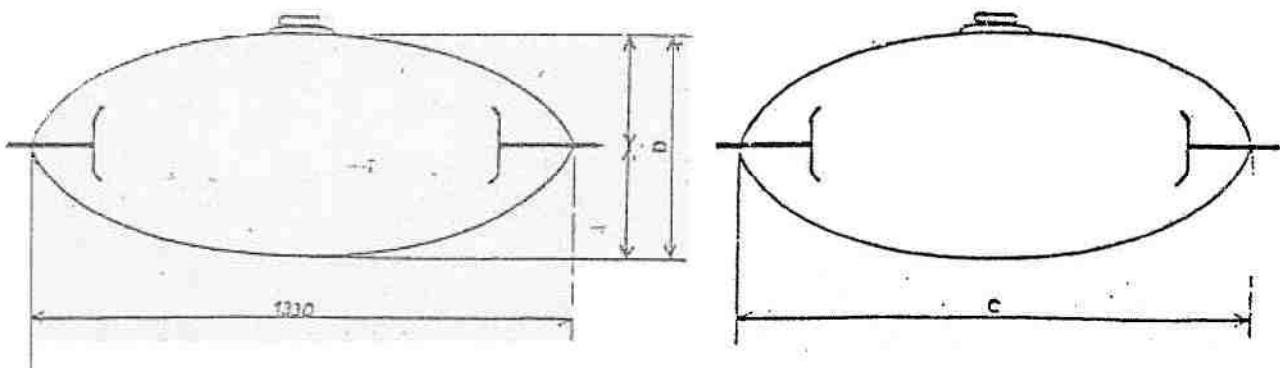


RESERVOIRS POUR CARBURANTS ET LUBRIFIANTS TANKS FOR DIESEL AND OIL

RESERVOIR VIDE / EMPTY TANK



RESERVOIR PLEIN / FULL TANK



REFERENCE	945 620	945 621	945 622	945 623	945 624	945 625	945 626	945 627	945 628	945 629	945 630
CAPACITY (Litres)	260	300	470	600	750	1000	1150	1325	1500	2000	1600
A (mm)	850	1270	1520	1740	2050	2600	2840	3200	3630	4670	3830
B (mm)	800	1200	1450	1670	1980	2530	2770	3130	3560	4600	3760
C (mm)	760	1200	1450	1670	1980	2530	2720	3140	3530	4600	3760
D (mm)	470	360	360	430	470	470	510	510	470	510	510



RESERVOIRS SOUPLES FLEXIBLE TANKS

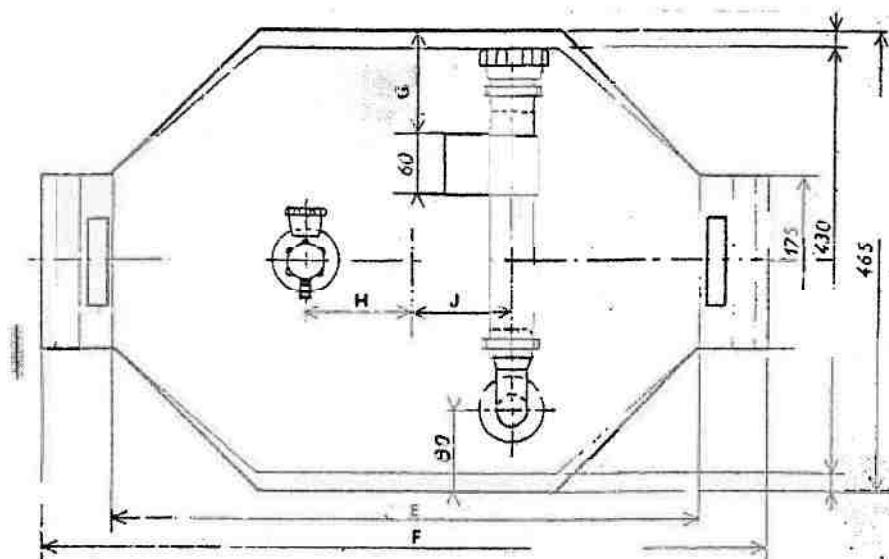
RESERVOIRS PORTABLES POUR CARBURANTS ET LUBRIFIANTS

PORTABLE TANKS FOR DIESEL AND OIL

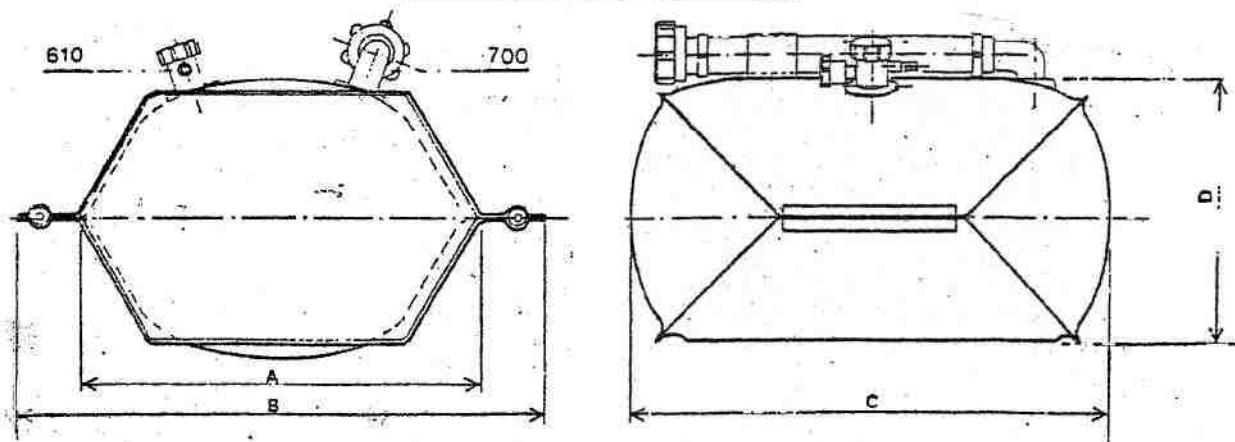


RESERVOIRS PORTABLES POUR CARBURANTS ET LUBRIFIANTS PORTABLE TANKS FOR DIESEL AND OIL

RESERVOIR VIDE / EMPTY TANK



RESERVOIR PLEIN / FULL TANK



REFERENCE	CAPACITY	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)
521 100	25 liters	400	520	460	230	530	620	105	95	70
521 101	35 liters	400	520	480	280	580	670	105	105	105
521 102	50 liters	600	720	480	280	750	840	80	210	180
521 103	70 liters	640	760	480	330	820	820	910	105	215

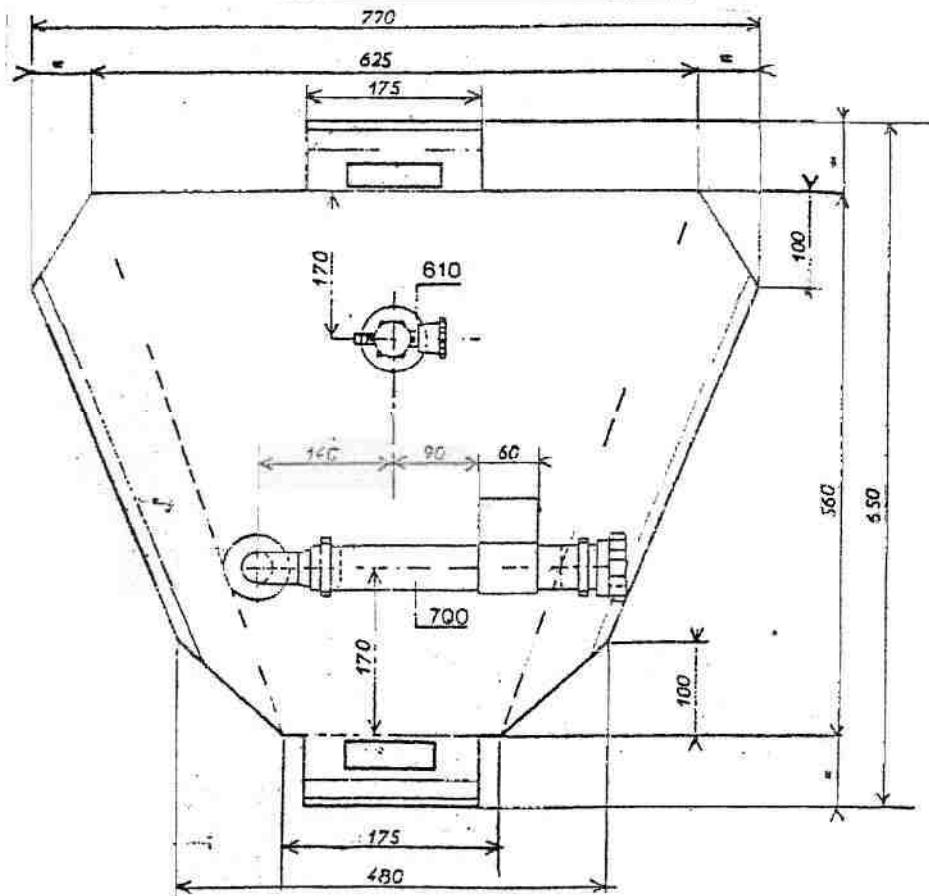


NAUTA®
FLEXIBLE TANKS AND FITTING

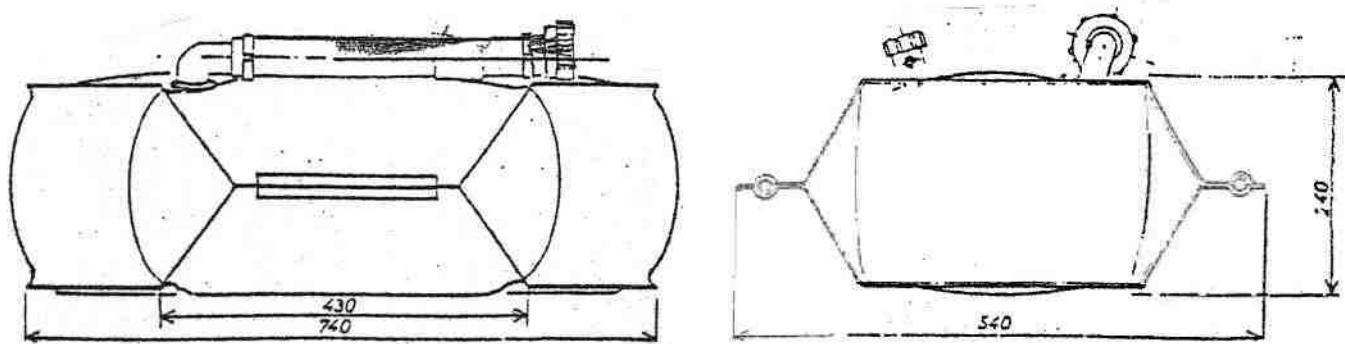
RESERVOIRS PORTABLES POUR CARBURANTS *PORTABLE TANK FOR DIESEL*

REFERENCE 521 151
CAPACITY 35 LITRES

RESERVOIR VIDE / EMPTY TANK



RESERVOIR PLEIN / FULL TANK



Dimension : MM

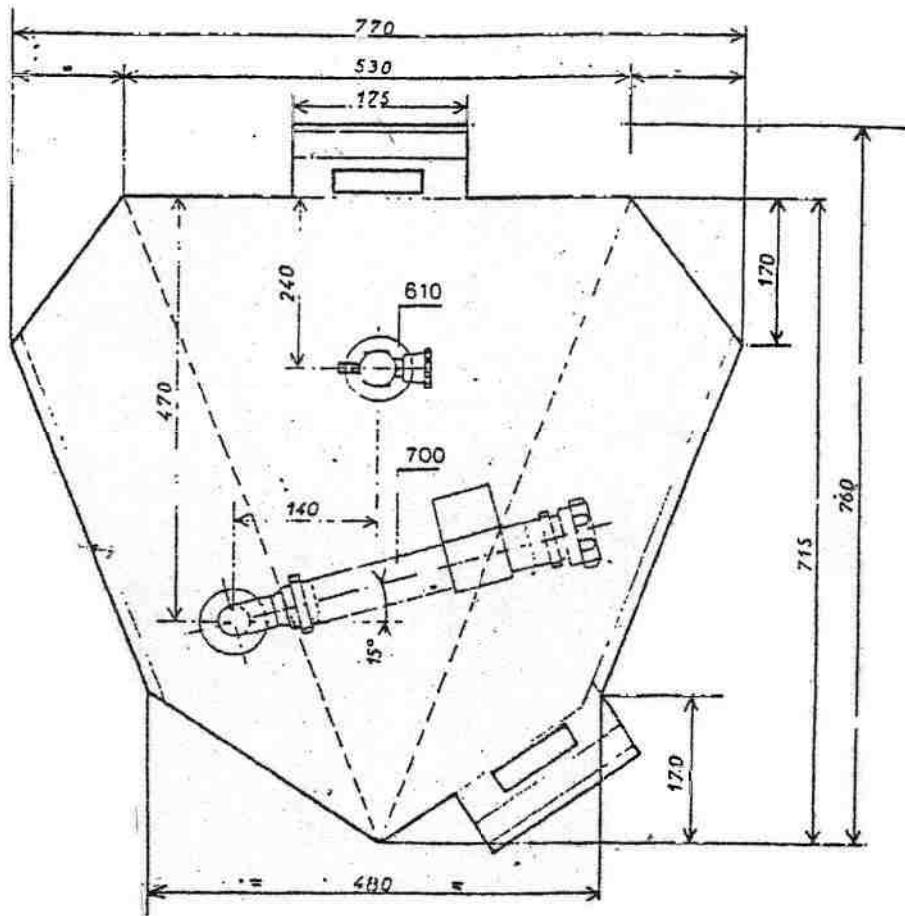


NAUTA®
FLEXIBLE TANKS AND FITTING

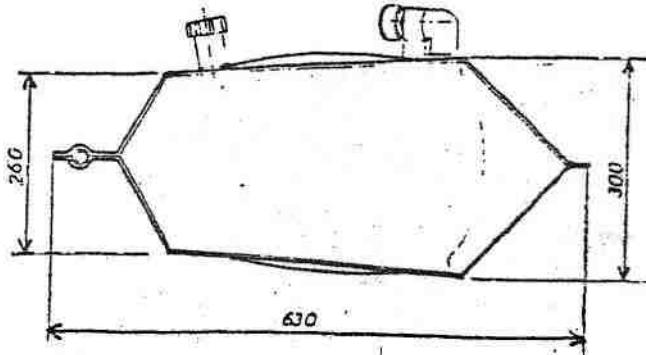
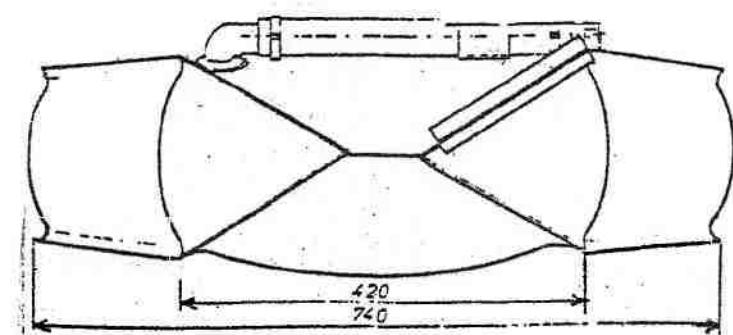
RESERVOIRS PORTABLES POUR CARBURANTS PORTABLE TANK FOR DIESEL

REFERENCE 521 153
CAPACITY 70 LITRES

RESERVOIR VIDE / EMPTY TANK



RESERVOIR PLEIN / FULL TANK



Dimension : MM



**RESERVOIRS SOUPLES
FLEXIBLE TANKS**

ACCESSOIRES

FITTINGS

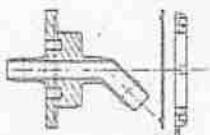


NAUTA®
FLEXIBLE TANKS AND FITTING

ACCESSOIRES FITTINGS

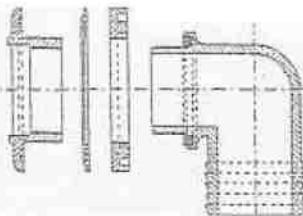
Réf. 600

Embout évent pour tuyau Ø 8
Coudé à 45°
8 mm - 5/16" - Drawing nipple (bent) 45°



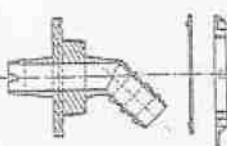
Réf. 111

Embout pour tuyau Ø 50
Coudé à 90° - En 2 éléments
50 mm - 2" - Filling nipple 90°



Réf. 310

Embout pour tuyau Ø 15
Coudé à 45°
15 mm - 11/16" - Drawing nipple (bent) 45°



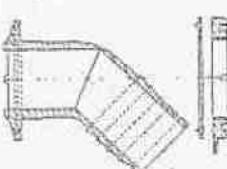
Réf. 605

Té pour tuyau Ø 8
8/8 mm - 5/16"/5/16"/1/2" - Tee piece



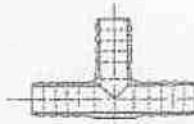
Réf. 220

Embout pour tuyau Ø 35
coudé à 45°
35 mm - 1 1/2" - Bent Filling nipple



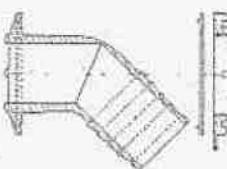
Réf. 1320

Té pour tuyau Ø 12,7/12,7/12,7
12,7/12,7/12,7 mm - 1/2"/1/2"/1/2" - Tee piece



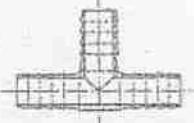
Réf. 1220

Embout coudé à 45°
pour tuyau Ø 35
35 mm - 1 1/2" - Bent Filling nipple



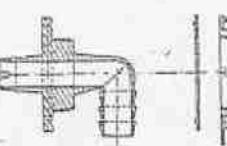
Réf. 320

Té pour tuyau Ø 15
15/15/15 mm - 5/8"/5/8"/5/8" - Tee piece



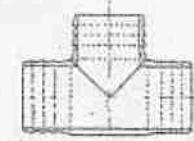
Réf. 311

Embout pour tuyau Ø 15
Coudé à 90°
15 mm - 11/16" - Drawing nipple (bent) 90°



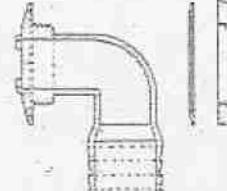
Réf. 230

Té pour tuyau Ø 35
35/35/35 mm - Tee piece - 1 1/2"/1 1/2"/1 1/2"



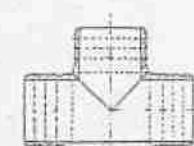
Réf. 221

Embout pour tuyau Ø 35
Coudé à 90°
35 mm - 1 1/2" - Bent Filling nipple 90°



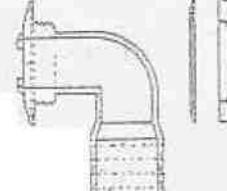
Réf. 1230

Té pour tuyau Ø 38
38/38/38 mm - 1 1/2"/1 1/2"/1 1/2" - Tee piece



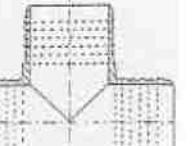
Réf. 2221

Embout pour tuyau Ø 38
Coudé à 90°
38 mm - 1 1/2" - Bent Filling nipple 90°



Réf. 130

Té pour tuyau Ø 50
50/50/50 mm - Tee piece - 2"2"2"



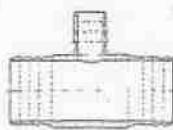


NAUTA®
FLEXIBLE TANKS AND FITTING

ACCESSOIRES FITTINGS

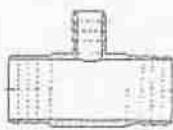
Réf. 240

Té pour tuyau Ø 35/15/35
Tee piece, Pumping on the filling circuit
1 1/2"/1/2"/1 1/2"



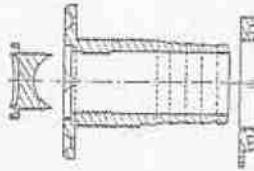
Réf. 1240

Té pour tuyau Ø 35/12,7/38
Tee piece, Pumping on the filling circuit
1 1/2"/1/2"/1 1/2"



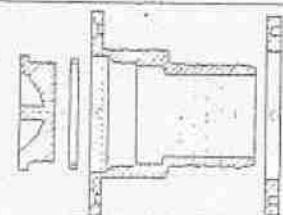
Réf. 200

Nable de pont pour tuyau Ø 35
(avec 4 trous fraisés)
25 mm - 1 1/2" - Deck plug



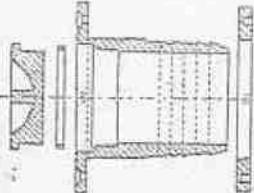
Réf. 900

Nable de pont pour tuyau Ø 42 droit
42 mm - 1 1/2" - Deck plug



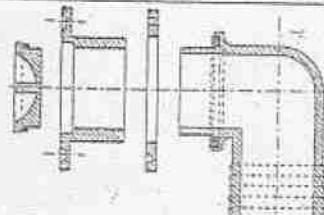
Réf. 100

Nable de pont droit pour tuyau Ø 50
50 mm - 2" - Deck plug



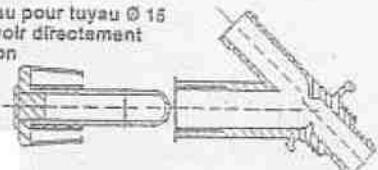
Réf. 101

Nable de pont pour tuyau Ø 50
Coudé à 90° - En 2 éléments
50 mm - 2" - Deck plug 90°



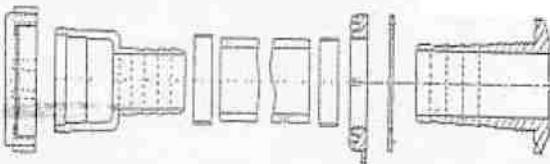
Réf. 330

Robinet - Vanne à pointeau pour tuyau Ø 15
Peut se monter sur réservoir directement
ou sur tuyauterie de liaison
Shut off valve
(Water) for sea" pipe
Ø 15 mm



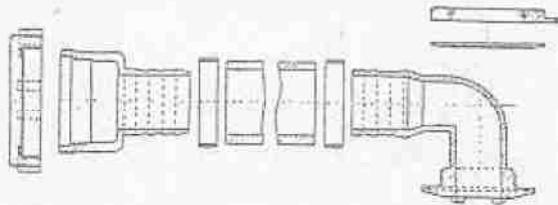
Réf. 720

Ensemble de remplissable droit pour tuyau Ø 35
entrée entonnoir avec bouchon étanche
Filling unit (fuel) - straight Ø 35 mm - 1 1/2"



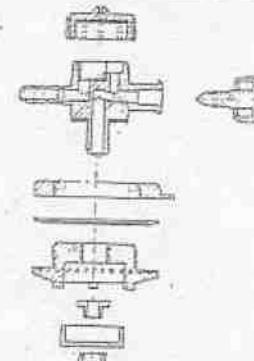
Réf. 700

Ensemble de remplissable pour tuyau Ø 35
Coudé à 90° entrée entonnoir avec bouchon étanche
Filling unit (fuel) 90° - Ø 35 mm - 1 1/2"



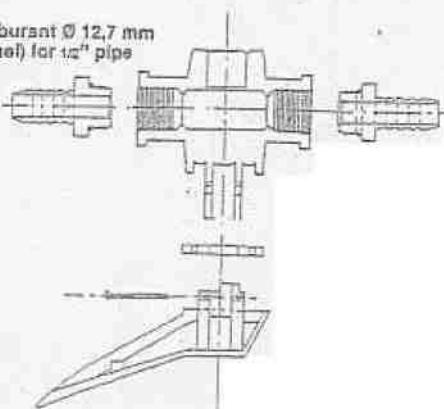
Réf. 610

Robinet pour tuyau Ø 8
Avec filtre - monté sur support fileté
Possibilité d'adaptation
d'un tube plongeur
8 mm - 1/8" - Drawing unit (fuel)
for outboard motors tanks



Réf. 630

Robinet pour carburant Ø 12,7 mm
Shut off valve (Fuel) for 1/2" pipe



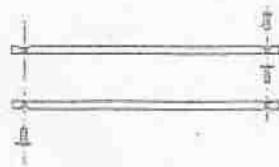


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ACCESSOIRES FITTINGS

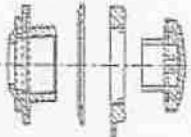
Réf. 010

Clef à ouverture compas permet de serrer tous les accessoires
Wrench. Tightens all accessories.



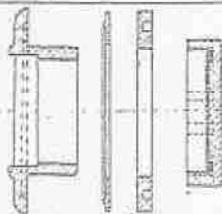
Réf. 501

Embass de valve standard avec bouchon simple sans clapet
Vent with cap



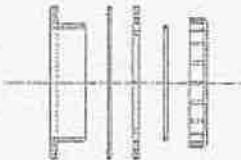
Réf. 120

Bouchon d'accès Ø 50
Complete cap Ø 2"



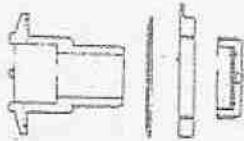
Réf. 030

Bouchon d'accès avec passage Ø 100
Fermeture par couvercle étanche
4" access for cleaning with cap



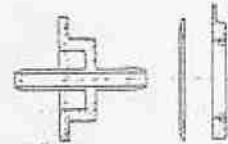
Réf. 215

Embout filleté mâle au pas US de 1 pouce avec chapeau bouchon
25 mm - 1" - Filling nipple with cap



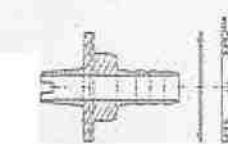
Réf. 400

Embout droit pour tuyau Ø 6
6 mm - 1/4" - Drawing nipple (fuel)



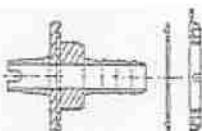
Réf. 1300

Embout évanté droit pour tuyau Ø 12,7
12,7 mm - 1/2" - Drawing nipple



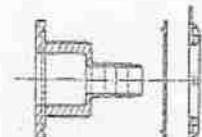
Réf. 300

Embout évanté droit pour tuyau Ø 15
15 mm - 5/8" - Drawing nipple



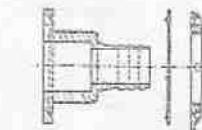
Réf. E 300

Embout évanté droit pour tuyau Ø 15
Utilisable en sortie de coque
15 mm - 5/8" - Vent (fuel)



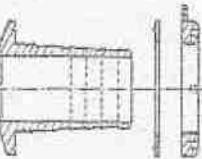
Réf. 1000

Embout évanté droit pour tuyau Ø 20
Utilisable en sortie de coque
20 mm - 3/4" - Vent



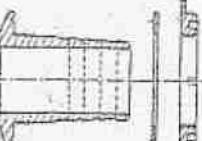
Réf. 210

Embout droit pour tuyau Ø 35
35 mm - 1 3/8" - Straight Filling nipple



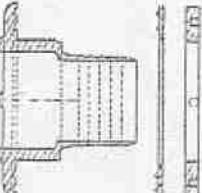
Réf. 1210

Embout droit pour tuyau Ø 38
38 mm - 1 1/2" - Straight Filling nipple



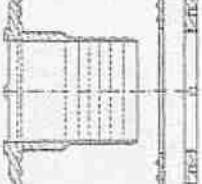
Réf. 910

Embout droit pour tuyau Ø 42
42 mm - 1 5/8" - Filling nipple



Réf. 110

Embout pour tuyau Ø 50 droit
50 mm - 2" - Straight Filling nipple

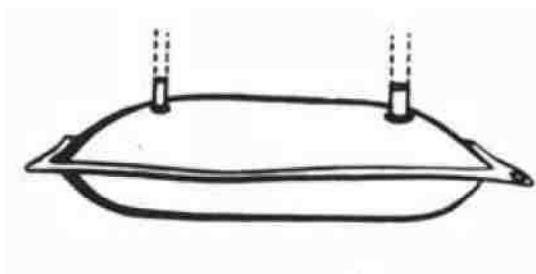




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**RESERVOIRS SOUPLES
*FLEXIBLE TANKS***

APPLICATIONS

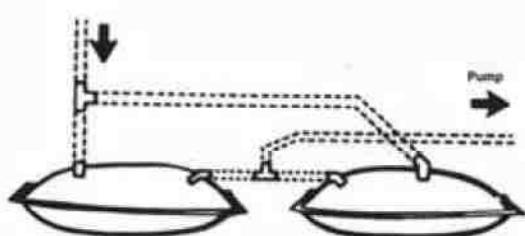
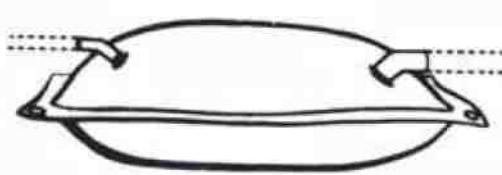


FILLING AND PUMPING FROM ABOVE THE TANK

When the tank is free and flat, pumping is done by suction. There is no air in the flexible tank. Straight nipples are used for flexible pipes arriving vertically.

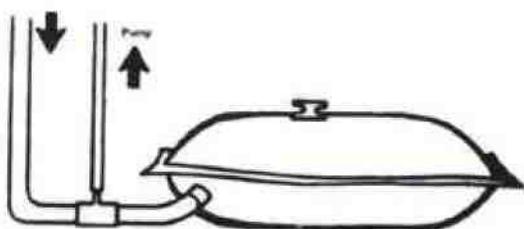
FILLING AND PUMPING WITH A BENT NIPPLES (45°)

For flexible pipes arriving horizontally.



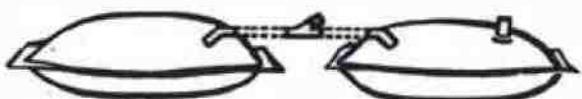
INSTALLATION OF TWO OR MORE TANKS AT THE SAME LEVEL

Each tank is connected directly to the pump and the drain with the aid of tees (parallel installation).



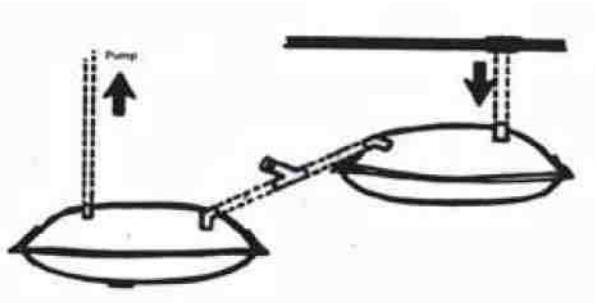
PUMPING THROUGH THE FILLING CIRCUIT

Connect the tee piece (35 mm x 15 mm x 35 mm) to the 35 mm flexible pipe at the base of the tank. Join the 15 mm pump pipe to the corresponding section of the tee.



STARBOARD AND PORT TANKS

In order to prevent the tanks from emptying into one another, a needle valve is place at the center point of the pipe connecting the tanks.

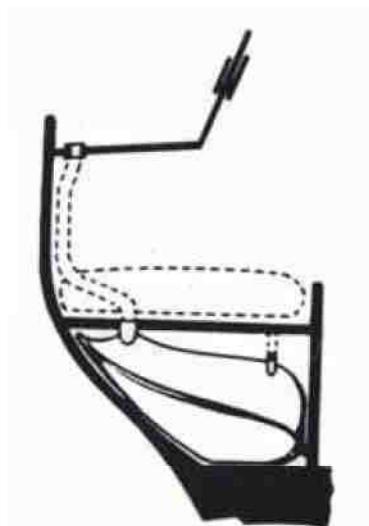
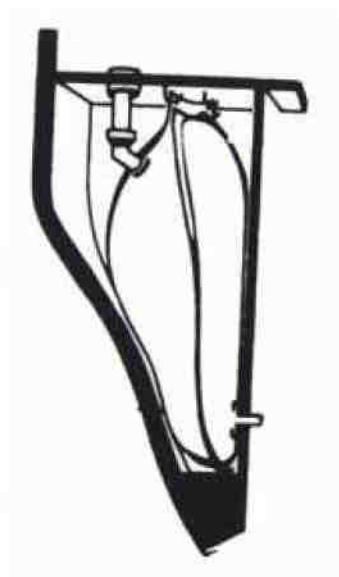


TANKS AT DIFFERENT LEVELS

The superior tank (complementary) is connected to the principal tank (that feeds the pump) by our needle valve directly on the tank or on the canalised pipe.

FILLING FROM THE HIGHEST POINT

Allows any air to escape that might have entered during the filling. Pumping should be done just above the lowest point, which is the highest water level.



FOR A VERTICAL POSITIONNED TANK

The tank must be maintained empty by its eyelets. Once filled, the tank is held in place by the walls surrounding it, and thus is no longer free. Installation of nipples is done in the same manner as for rigid tanks.