



- Sizes range 3" to 20" diameter
- Use of high quality swivels
- Choice of Materials available

Floating Suction Unit

For Above Ground Vertical Storage Tank

A Floating Suction Unit is designed to enable product to be drawn off the tank either from the top surface of the liquid or at a predetermined depth below the surface of the liquid. This means that after filling the tank can be used immediately as any water, dirt or other contaminants remain in the tank.

There are various designs of Floating Suction Units, however the essential features include rigid pipe, custom designed pressure tested flotation chambers and flexible swivel joints supplied by leading specialist manufacturers.

Land and Marine TankServ can provide the prefabricated Floating Suction Unit complete with an Installation Manual for final assembly and installation at site by the customer. Alternatively Land and Marine TankServ can install the Floating Suction Unit using our own installation crew at a time convenient for the customer.

Provided by the experienced team from Land & Marine TankServ

www.landandmarine.com

Advantages

1. To ease installation, all component parts of the Floating Suction Unit can pass through a standard tank shell manhole.
2. The arm can not lock in a vertical position - this can be important if the tank diameter is less than the height - a stainless steel restraining chain is attached to the upper end of the pipe.
3. The Floating Suction Unit is installed in a fixed position, air is not trapped in the arms during tank filling - at the highest point a hole is drilled in the pipe to allow air to escape.
4. Long life and trouble free operation is maintained due to the use of swivel joints specifically designed for submerged service.
5. At low level, the Floating Suction Unit is located on supports - this avoids the pipe work resting in any sediment on the bottom of the tank.
6. The floatation chambers are designed such that if one is punctured the remaining one can keep the unit floating.
7. The Floating Suction Unit can be installed and operated in a fixed roof, external floating roof and an internal floating roof tank.
8. Because the product is always taken from the top surface and is less likely to be contaminated, this decreases the maintenance of filters in the draw-off lines.
9. The Floating Suction Unit is custom designed, taking into consideration the specification of the stored product and operational requirements of the tank.



Land & Marine

TANKSERV

Land and Marine Project Engineering Ltd

Dock Road North, Bromborough,
Wirral CH62 4LN United Kingdom

T. +44 (0)151 641 5600

F. +44 (0)151 644 9990

E. company@landandmarine.com

W. www.landandmarine.com

For more details on this and other products visit:

www.landandmarine.com

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TS - 7 & TS - 9 Foam Filled Seal
TS - 14 Foam Filled Seal
TS - 16 Servaseal Secondary Seals
TS - 16 Servaseal Double Seals
TS - 32 Servaseal Secondary Seals

TS - 32 Servaseal Double Seals
Guidepole Sleeves & Vapour Leg Socks
Internal Floating Covers
Geodesic Dome Roof
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