

TODO®

For safe fluid handling

PTC - SAFETY PRESSURE TIGHT CAP

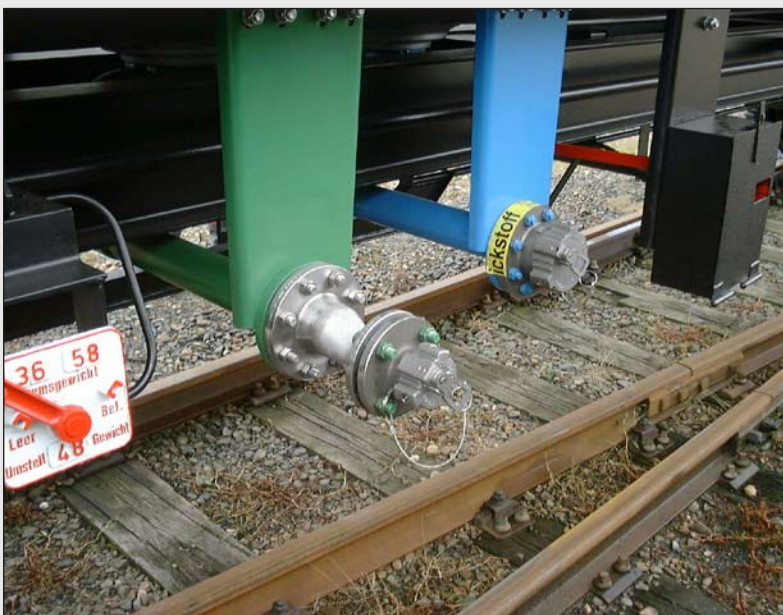


TODO® PTC - Safety Pressure Tight Cap

The TODO® PTC is specifically designed to enhance operator safety and containment security in chemical and gas transport.

Designed in close collaboration with leading chemical and gas companies, the PTC offers safety and operational benefits beyond those offered by existing closure technologies.

Should the possibility of an upstream closure leakage occur, the PTC provides identification of a system pressure and will hold this pressure until the problem can be safely resolved. Should the operator still choose to remove the cap it will reduce the static pressure to zero thus preventing the forceful expulsion of the transfer media.





FEATURES

- Pressure indicator.
This feature alerts the operator to the presence of a pressure above 1.0 bar behind the cap and possible failure of upstream closure.
- Automatic depressurization.
Reduces any static pressure upstream of the cap upon operation. Removes the possibility of disconnecting the cap whilst under pressure. Any other sealing cap or flange may allow removal under pressure with potentially serious consequences for the operator.
- Customs / tamper seal feature.
The cap operating mechanism will accept all commonly used wire and plastic custom seals.
- Automatic locking.
The PTC locks automatically in either direction but requires a deliberate action to disconnect.
- Certified closure.
The PTC is certified as a full first, second or third closure depending on the application. The cap can be used to replace other closure methods such as valves.
- Manually lockable.
The PTC can be manually locked using a padlock.

TECHNICAL DETAILS

| | |
|-------------------|---|
| Sizes: | 2" (DN 50), 3" (DN 80) and 4" (DN 100). |
| Materials: | 316L stainless steel. |
| Seals: | FKM (Viton®), EPDM, Nitril, various Perfluorelastomers. |
| Working pressure: | PN 25 |
| Test pressure: | PN 37.5 |
| Safety factor: | 5:1 (PN 125) |
| Compatibility: | Tank unit caps according to NATO STANAG 3756. |

Viton® is a registered trademark of DuPont.

CERTIFICATES / APPROVALS

ADR, RID, IMDG, European directives 97/23/EC (PED).
Manufactured under EN ISO 9001:2000.



SAFETY PRESSURE TIGHT CAP SIZE RANGE



2" (DN 50) PTC



3" (DN 80) PTC



4" (DN 100) PTC

APPLICATIONS

Approved as secondary or third closure for category II liquids.





TODO® PRODUCTS OVERVIEW



TODO-MATIC® The first choice for the safe handling of hazardous, valuable or environmentally sensitive media. TODO-MATIC® are available in aluminium, gunmetal and stainless steel 316L with special materials such as hastelloy C276 available to order.
Sizes: 1" (DN 25) to 6" (DN 150).



TODO-GAS® The TODO-GAS® couplings are designed especially for the transfer of LPG in both liquid and vapour phases. The couplings are available in stainless steel and brass / gunmetal with thread or flange connection. Handling and operation are as simple as for the TODO-MATIC® DRY-BREAK® coupling.
Sizes: 1" (DN 25), 2" (DN 50) and 3" (DN 80).



TODO® SAFETY BREAK AWAY couplings Designed specifically to minimise spillage and damage associated with drive / pull away incidents. Also allows rapid removal of the mobile tankage in emergency situations. The coupling automatically senses an excessive load, closes its valves and then permits disconnection. Very high flow rate / low pressure drop. *Sizes: 2" (DN 50) and 3" (DN 80).*



TODO-45 aviation couplings An ISO 45 standard ground unit from TODO® and a special version of the TODO-MATIC® 2½" coupling available for connection to ground units conforming to standard ISO 45. This gives, for the first time, an economical alternative to ISO 45 standard hose couplers for aviation fuel transfers.



PTC - Safety Pressure Tight Cap The TODO® PTC is specifically designed to enhance operator safety and containment security in chemical and gas transport. Designed in close collaboration with leading chemical and gas companies, the PTC offers safety and operational benefits beyond those offered by existing closure technologies. *Sizes: 2" (DN 50) to 4" (DN 100).*



BALL VALVES These lightweight ball valves were the first products to be developed by TODO®. This valve offers obvious weight saving benefits for the road tanker industry but can also be used in a variety of plant applications. A wide selection of end connectors are available and valve changeover is rapid due to the simple sandwich design. All sizes are available with pneumatic actuation in either single or double acting form. *Sizes: 2" (DN 50) to 4" (DN 100).*



FUEL NOZZLES The TODO® fuel delivery nozzles are specifically designed to deliver high volumes with total security. Rugged cast aluminium alloy body, high strength swivel and robust handle all help this nozzle to offer reliable long term performance.
Size: 1½" (DN 40).



API couplings TODO® API hose couplers and tank adaptors are interchangeable with other products manufactured to standard API RP 1004. The TODO® hose coupler is a high pressure design with five claw closure connection for strength and two interlocks for security and safety. The moulded lipseal configuration is used for long leak-free performance. TODO® API tank adaptors are available with or without operating handles or sightglasses.
Size 4" (DN 100).



SWIVELS Developed originally as part of the TODO-MATIC® coupling construction then subsequently as a stand alone product, the TODO® swivel has proved itself in the toughest applications for over 20 years. Used mainly to allow free hose movement without imparting torque stresses to the assembly (one of the biggest causes of premature hose failure). *Sizes: ¾" (DN 19) to 4" (DN 100).*

TODO SE

Tel. Int.: +46 (0)506 19940
 Fax Int.: +46 (0)506 19944
 Email: todo@todo.se

TODO UK

Tel. Int.: +44 (0)1495 755 884
 Fax Int.: +44 (0)1495 752 505
 Email: todo@todo.co.uk

TODO NL

Tel. Int.: +31 (0)72 57 27880
 Fax Int.: +31 (0)72 57 27879
 Email: todo@todobv.nl