

TODO®

For safe fluid handling

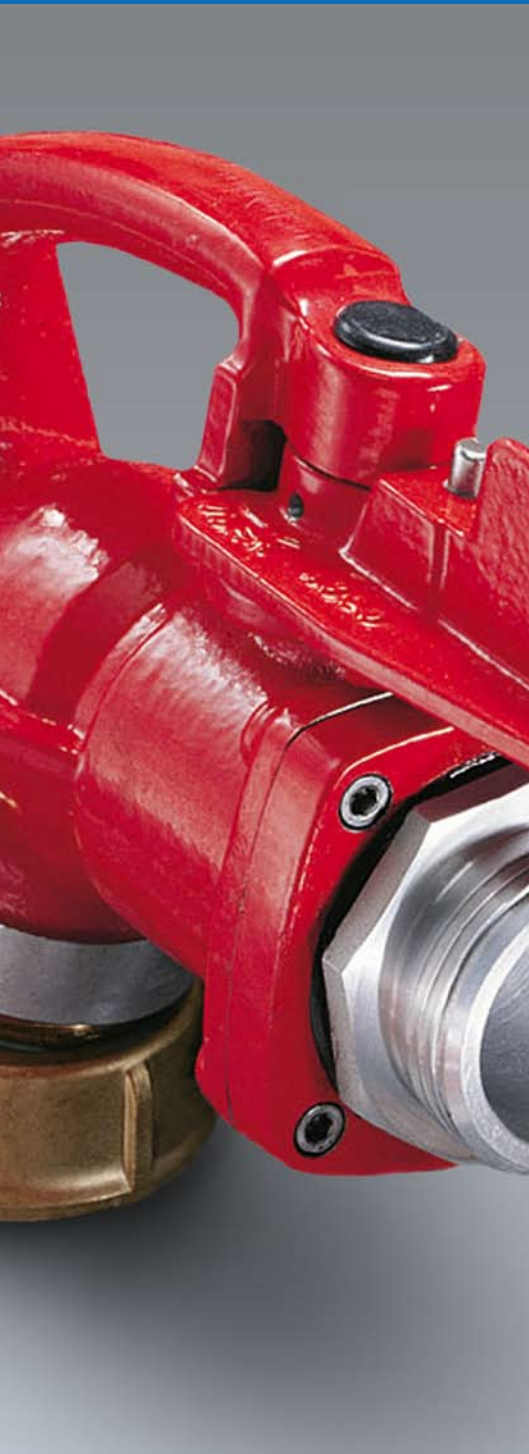
FUEL NOZZLES



TODO® 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.



FEATURES

- All models are available with or without anti drain valves.
- Handle automatically locks when in closed position.
- Threaded sight glass as option.
- High flow and easy to handle.
- Ballsealings in PTFE (Teflon®) as standard.
- TODO-SNAP lug nut equipped on request.

TECHNICAL DETAILS

Sizes:	1½" (DN 40).
Materials:	Aluminium alloy.
Seals:	PTFE (Teflon®), Fluorelastomer.
Working pressure:	PN 10.
Test pressure:	PN 15.
Safety factor:	5:1.
Outlet connections:	Male / female thread, Kamlock, TW, TODO-SNAP lug nut or Spout.
Inlet connections:	Male / female 1½" or 2".

Teflon® is a registered trademark of DuPont.

CERTIFICATES / APPROVALS

ATEX compliant.
Manufactured under EN ISO 9001:2000.



FUEL NOZZLES RANGE



TW fuel nozzle



Male/male fuel nozzle



Male/female fuel nozzle

SPECIALS / ACCESSORIES



TODO-SNAP lug nut with 45° bend



Sight glass



TODO-SNAP lug nut



Outlet with extra long swiveling lug nut



Spout



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).*



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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).*

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