

Mann Tek®



GAS

DESIGNED AND PRODUCED IN SWEDEN

About us



Mann Tek[®] is a Swedish manufacturer and supplier of Dry Gas Couplings[®], with experience of the industry for more than 20 years. With the easy to use, next generation couplings for gashandling and new technology, our products minimize, to the environment, harmful emissions. All with a risk free handling, which connect and disconnects in only a few seconds, which meet the demand for a quick, easy and safe operation in harsh environments.

Our world wide installations and experience in the gas industry has accumulated extensive expertise about applications in many types of variations in which our couplings have been, and can be used, successfully.

We constantly strive to develop and improve the performance and design of our products, to meet changes, new market demands and standards. Which, today, is what made us market leading. Our couplings are the obvious choice when certifications and product approvals are required, anywhere in the world.

Mann Tek[®] is certified to ISO9001:2008.

Sales office

Sweden | Netherlands | Lebanon
Argentina | Great Britain

DG COUPLINGS[®]

Mann Tek[®] Dry Gas Couplings[®] are designed for a spill free handling and guarantees a economical, safe and environmentally friendly applications within the gas industry. We know the importance of eliminating unwanted leakage, product loss and a safe working place.

With one single action, a straight forward push and a turning motion, to connect the couplings for a full flow. A quick and easy "turn and pull" - action will close the valve and disconnect, with no spillage.

Our long experience and demanding requirements from the gas industry has brought us in to considerable product developments and technical solutions.

We guarantee the highest level of safety and quickest way of connecting and disconnecting.

- Top- & bottom loading of tank trucks, ISO containers, railcars etc.
- Delivery coupling from tank truck to customer storage tank
- Sampling





Loading of LPG rail tank car using 3" DGC for liquid line and 2" DGC for vapour recovering.

SIZE

1" (DN 25) to 8" (DN 200)

MATERIALS

Gunmetal / Brass & stainless steel 316L, SS-EN 10 272-1.4404+AT

SEALS

FPM/FKM (Viton®), HNBR & NBR (Nitrile) according to EN549 B2/H3. Other materials on request.

MAXIMUM WORKING PRESSURE

MWP PN 25 bar
MAWP 300 psi

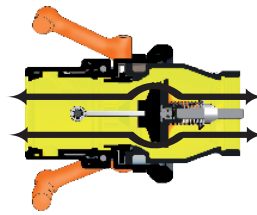
TEST PRESSURE

1,5 x maximum working pressure

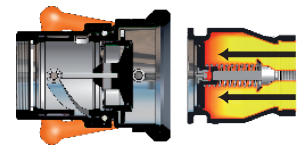
CONNECTIONS

Female and male BSP / NPT, ACME, TW, TTMA, witworth threads and flanged EN1092 (DIN) and ANSI. Integrated break-away, pressure relief valve and other on request.

HOW IT WORKS



To connect
Push and turn - *It's coupled* -
Full flow



To disconnect
Turn and pull - *It's released* -
No spillage



SB COUPLINGS®



3" industrial Breakaway coupling® in service at a petroleum loading depot.

Mann Tek® Breakaway Couplings® are used to prevent pull away accidents. In case of a pull away incident, the two coupling halves will separate and immediately close the flow in both halves and directions and therefore prevent accidents and unwanted spillage of product. The industrial type is installed at fixed points like manifolds, pipelines and depots whereas the marine type is installed in the middle of the hose string.

SBC is the perfect choice to use in combination with DDC/DGC for a higher safety level of your transfer system.



SIZE

1" (DN 25) to 12" (DN 300)

MATERIALS

Aluminium, brass, stainless steel, hastelloy and titanium. Other materials on request.

SEALS

FPM/FKM (Viton®), EPDM, FFKM (Chemraz®, Kalrez®), HNBR, NBR (Nitrile) & PUR (Vulkollan®). Other materials on request.

MAXIMUM WORKING PRESSURE

MWP PN 10 / 16 / 25 bar

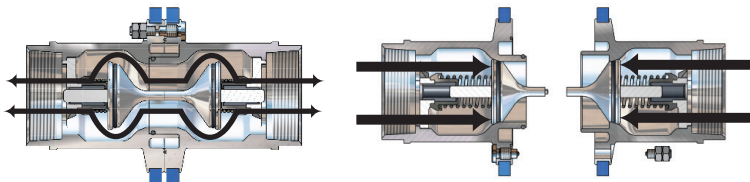
MAWP 150 / 300 psi

TEST PRESSURE

1,5 x maximum working pressure

CONNECTIONS

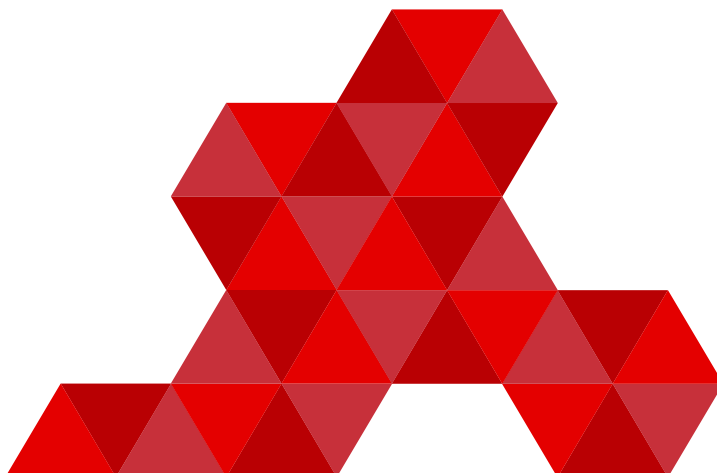
Female and male BSP/ NPT, flanged EN1092 (DIN), ANSI, TW and TTMA. Other on request.

HOW IT WORKS**In service**

The SBCoupling consists of two halves, each with a valve.

Released

After an emergency disconnection the SBCoupling separates and both vaults close immediately .



SWIVELS

Mann Tek® Swivels are used wherever a rotating system between two equipment parts is needed. The swivel enables free and slow rotation of hoses, nozzles and other fittings under the influence of internal pressure and/ or external stress such as traction and bending forces.

SIZE

3/4" (DN 20) to 10" (DN 250)

MATERIALS

Aluminium, brass, stainless steel, hastelloy and titanium. Other materials on request.

SEALS

FPM/FKM (Viton®), PUR (Vulkollan®) & PTFE (Teflon®). Other materials on request.

MAXIMUM WORKING PRESSURE

MWP PN 10 - 25 bar
MAWP 150- 360 psi

TEST PRESSURE

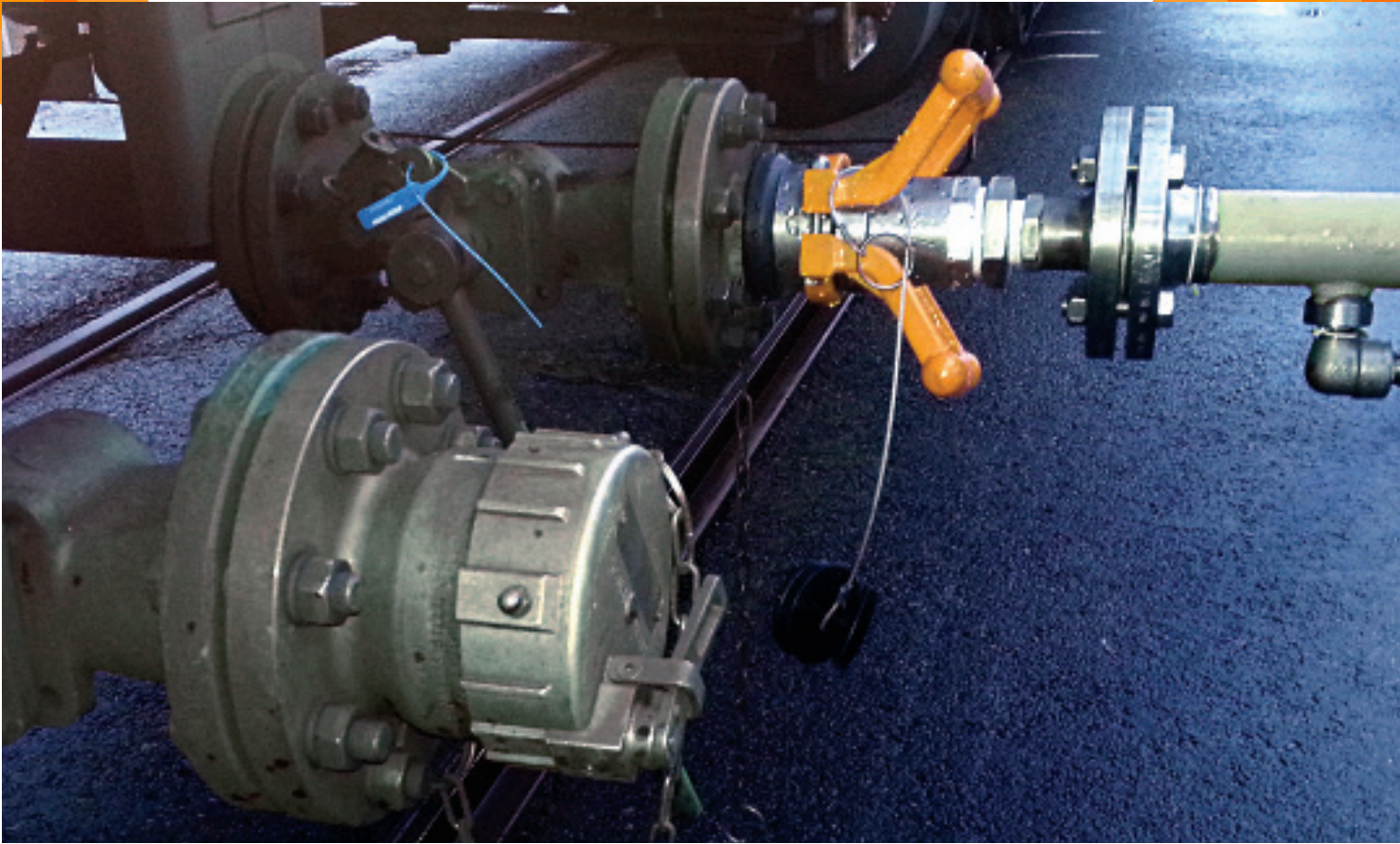
1,5 x maximum working pressure

CONNECTIONS

Female and male BSP/ NPT, flanged EN1092 (DIN), ANSI, TW, TTMA and ACME. Other on request.



SAFETY PRESSURE CAPS



Mann Tek® pressure caps, with built in pressure indicator, can be used as a second or third closing device according to ADR/RID par 6.8.2.2.2. The pressure cap identifies a system pressure and keep this pressure until the problem can be safely resolved. Designed to maximize the environment- and operator safety.

SIZE

2" (DN 50) to 4" (DN 100)

MATERIALS

Stainless steel

SEALS

FPM/FKM (Viton®). Other on request.

MAXIMUM WORKING PRESSURE

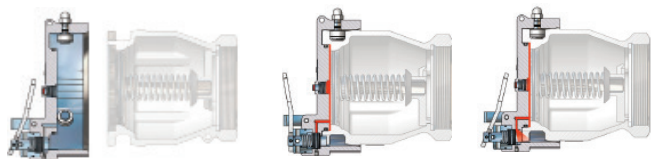
MWP PN 25 bar/ 363 psi

TEST PRESSURE

1,5 x maximum working pressure



HOW IT WORKS



Press down the handle and any possible pressure is evacuated through a valve and the cap can be removed.

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