

Dry-Mate couplings

Technical datasheet

Dry-Mate couplings are particularly suitable for disconnecting and connecting flexible hose lines which contain aggressive chemicals – even for pressurized hose lines. Due to a patented mechanism, the disconnection will be nearly spillage free.

Security features:

- A ball in the male part (AB) and a ball in the female part (DB) block the hose lines when the lever arms are in the closed position. Both lines are thus safely closed after uncoupling.
- Two large and interlocking lever arms allow easy and safe opening and closing of the hose lines.
- The handles show the position of the balls clearly and unambiguously.
- The two coupling halves can only be uncoupled when the balls close the hose lines.
- **Dry-Mate couplings prevent accidental spillage of liquids, ensuring personnel safety and process safety.**



Materials:

- **Couplings:** available in Stainless steel AISI 316 and Polypropylene
- **Gaskets:** FKM (Viton) – optional: EPDM/Kalrez
- **Ball seats:** PTFE

Versions:

DN	Material	Flow rate	Internal thread	Wt AB [kg]	Wt DB [kg]
1"	Stainless steel 1.4401	Full passage	NPT or BSPP	3,75	3,5
1 ½"	Stainless steel 1.4401	Full passage	NPT or BSPP	6,9	6,3
2"	Stainless steel 1.4401	Full passage or 1 ½"	NPT or BSPP	6,9	6,2
¾"	Polypropylene	1 ½" passage	NPT	1,3	1,3
1"	Polypropylene	1 ½" passage	NPT	1,3	1,3
1 ¼"	Polypropylene	1 ½" passage	NPT	1,4	1,4
1 ½"	Polypropylene	Full passage	NPT or BSPP	2,2	2,2
2"	Polypropylene	Full passage or 1 ½"	NPT or BSPP	2,2	2,2
3"	Polypropylene	Full passage	NPT or BSPP		

Notes: The maximum operating pressure is 100 P.S.I (6,9 bar) or 150 P.S.I. (10,3 bar) for stainless steel 2 ". The Dry-Mate stainless steel couplings can be used up to a temperature of +300° F (148° C).

- Further dimensions as well as special versions (external thread, flanges) are available on request.
- Various spare parts (gaskets and repair kits) are also available.



Flow chart

