

Product Specification Overview

What are your conditions of use?

COUPLING MATERIALS

Brass/Steel:

- Mainly for pneumatic applications

Stainless Steel: AISI 303 or 316L

- For aggressive media
- High corrosion resistance

Thermoplastic: POM / PVDF

- For all kind of media e.g. chemical fluids

SEAL MATERIALS*

- NBR: -20°C up to +100°C
- EPDM: -40°C up to +150°C
- FKM: -15°C up to +200°C
- FFKM: -25°C up to +240°C

* depending on the medium

Which profile interchangeability do you need?

Profile

- ISO B
- ISO C
- Euro
- ARO
- UK
- SCANDIC
- ASIA

What is your application environment?

Pressure:

System pressure, pressure peaks

Temperature:

Medium, Environment, Operation/Standstill

Medium:

Compressed air, Vacuum, Water/Seawater, Other fluids/gaseous

Flow Rate:

Volume Flow, Medium Viscosity, End connection

Operating Environment:

Ambient air quality (pollution?), risk of shocks, confined areas/ access difficulties, use of products on mobile equipment, corrosive atmosphere

Which end connection do you need?

- Hose connection
- Threaded connection
- Plastic tube connection

Which function & flow control do you need?

The shut-off direction is always defined by the combination of couplings and plugs.



KF Straight-Through

- Best flow/no turbulence
- Ideal for use with liquids



KB Double Shut-off

- Shut-off valves in plug and coupling
- Pressure is maintained on both sides



OKL Dry-break

- Plug and coupling have a flat valve
- Ideal to prevent drops of the medium escaping



KA Single Shut-off

- Plug is straight-through
- Flow is stopped by the valve inside the coupler during disconnection



Standard Valve
Robust and compact design



High Flow Valve
Flow is increased by up to 80% compared with traditional systems due to less turbulence



Ultra High Flow Valve
Extremely streamlined high-end valve guarantees optimal flow and can be found in our Energy Saving series

Which safety features do you need?



KS Single Shut-Off



KS Breathing Air



KD Double Shut-Off

- Safety coupling
- Safety locking mechanism prevents unintentional disconnection



KE Self-Venting Sleeve Design



KP Self-Venting Push Button

- Safety coupling with a self-venting system
- No unintentional disconnection and whiplash effect to prevent the risk of work accidents



KA Coded Systems

- Safety coupling, mechanical and colour coding
- Avoid mix-ups between media when coupling

Which series is recommended?

| | Profile | DN | Series |  KF |  KA |  KB |  KL | Plugs |
|---------------|--------------|--------|-----------------|--|--|--|--|-----------------|
| Brass / Steel | | 1,5 | Series 02 | | P. 200 | | | Series 02 |
| | | 2 | Mini Series | | P. 202 | P. 203 | | Mini Series |
| | German | 2,5 | Series 50 | | P. 204 | | | Series 50 |
| | EURO | 2,7 | Series 20 | | P. 206 | P. 208 | | Series 20 |
| | | 3 | Mini Series | P. 211 | | | | Mini Series |
| | | 5 | Standard Series | | P. 212 | | | Standard Series |
| | British | 5 | Series 17 | | P. 214 | | | Series 17 |
| | EURO | 5 | Series 21 | | P. 216 | P. 219 | P. 222 | Series 21 |
| | ARO | 5,5 | Series 14 | | P. 225 | | | Series 22 |
| | ISO C | 5,5 | Series 18 | | P. 227 | | | Series 18 |
| | British | 5,5 | Series 19 | | P. 229 | | | Series 19 |
| | ARO | 5,5 | Series 22 | | P. 231 | | | Series 22 |
| | ISO B | 5,5 | Series 24 | | P. 233 | | | Series 23 |
| | ISO B | 5,5 | Series 23 | | P. 235 | | | Series 23 |
| | ISO B | 5,5 | Series 1400 | | P. 237 | | | Series 23 |
| | German | 6 | Series 52 | | P. 239 | P. 239 | | Series 52 |
| | EURO | 7,2 | Series 26 | | P. 241 | P. 243 | | Series 25/26 |
| | Japanese | 7,5 | Series 13 | | P. 245 | | | Series 13 |
| | EURO | 7,8 | Series 25 | | P. 247 | P. 249 | | Series 25 |
| | EURO | 7,8 | Series 1600 | | P. 251 | | | Series 25 |
| | EURO | 7,8 | Series 1625 | | P. 253 | | | Series 25 |
| | Scandinavian | 8 | Series 33 | | P. 255 | | | Series 33 |
| | ISO B | 8,5 | Series 30 | | P. 257 | | | Series 30 |
| | ARO | 9 | Series 40 | | P. 259 | | | Series 40 |
| | EURO | 10 | Series 27 | | P. 260 | P. 261 | | Series 27 |
| | EURO | 10 | Series 1700 | | P. 263 | | | Series 27 |
| | EURO | 10 | Series 1727 | | P. 265 | | | Series 27 |
| | Scandinavian | 10 | Series 34 | | P. 267 | | | Series 34 |
| | various | 10 | Series 41 | P. 269 | | | | Series 41 |
| | ISO B | 11 | Series 37 | | P. 271 | | | Series 37 |
| | German | 12 | Series 57 | | P. 273 | P. 273 | | Series 57 |
| | American | 15 | Series 38 | | P. 275 | P. 275 | | Series 38 |
| | American | 19 | Series 39 | | P. 277 | P. 277 | P. 278 | Series 39 |
| | ISO 7241-1 B | 4,3-20 | Series 70 | | | P. 280 | | Series 70 |