Product Specification Overview

What are your conditions of use?

COUPLING MATERIALS

Brass/Steel:
- Mainly for pneumatic applications

Stainless Steel: AISI 303 or 316L
- For agressive 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 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

KA Single Shut-off
- Plug is straight-through
- Flow is stopped by the valve inside the coupler during dis-connection

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

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

Standard Valve
Robust and compact design

High Flow Valve
Flow is increased by up to 80% compared with tradi-tional 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 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, corro-sive atmosphere

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 end connection do you need?

- Hose connection
- Threaded connection
- Plastic tube connection

		Profile	DN	Series	KF	KA	KB	KL	Plugs
Thermo-plas-tic			5	Series 21		P. 297	P. 297		Series 21
			7	Series 48		P. 303	P. 303		Series 48
			4,3-20	Series 70			P. 307		Series 70
				Components					