

# 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

		Profile	DN	Series	 KF	 KA	 KB	 KL	Plugs
Safety	Standard		5	Series 21KS		P. 313	P. 314		Series 21
			7,8	Series 25KS		P. 316	P. 317		Series 25
	Breathing Air		7,4	Series 95KS		P. 318			Series 95
			7,4	Series 96KS		P. 320			Series 96
	Self-Venting with Push Button Technology	ISO 6150 C	5,5	Series 18KP		P. 322			Series 18
		ISO 6150 B	5,5	Series 24KP		P. 324			Series 23
		EURO	7,4	Series 26KP		P. 326			Series 25
		ISO 6150 B	8	Series 30KP		P. 328			Series 30
		ISO 6150 C	8	Series 84KP		P. 330			Series 84
	Self-Venting with Sleeve Technology	ARO	5,5	Series 14KE		P. 332			Series 22
		ISO B	5,5	Series 1400KE		P. 334			Series 23
		ISO B	5,5	Series 24KE		P. 336			Series 23
		EURO	7,4	Series 26KE		P. 338			Series 25
		EURO	7,8	Series 1600KE		P. 340			Series 25
		EURO	10	Series 1700KE		P. 342			Series 27
		EURO,ISO B, ARO		C 9000		P. 344			C 9000