

# 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
Stainless Steel	EURO	2,7	Series 20		P. 281	P. 282		Series 20
	ISO C	3	Series 303			P. 284		Series 303
	EURO	5	Series 21		P. 286	P. 288		Series 21
	EURO	7,4	Series 25		P. 290	P. 291		Series 25
	EURO	10	Series 27		P. 293	P. 294		Series 27
	ISO 7241-1 B	4,3-20	Series 70			P. 296		Series 70