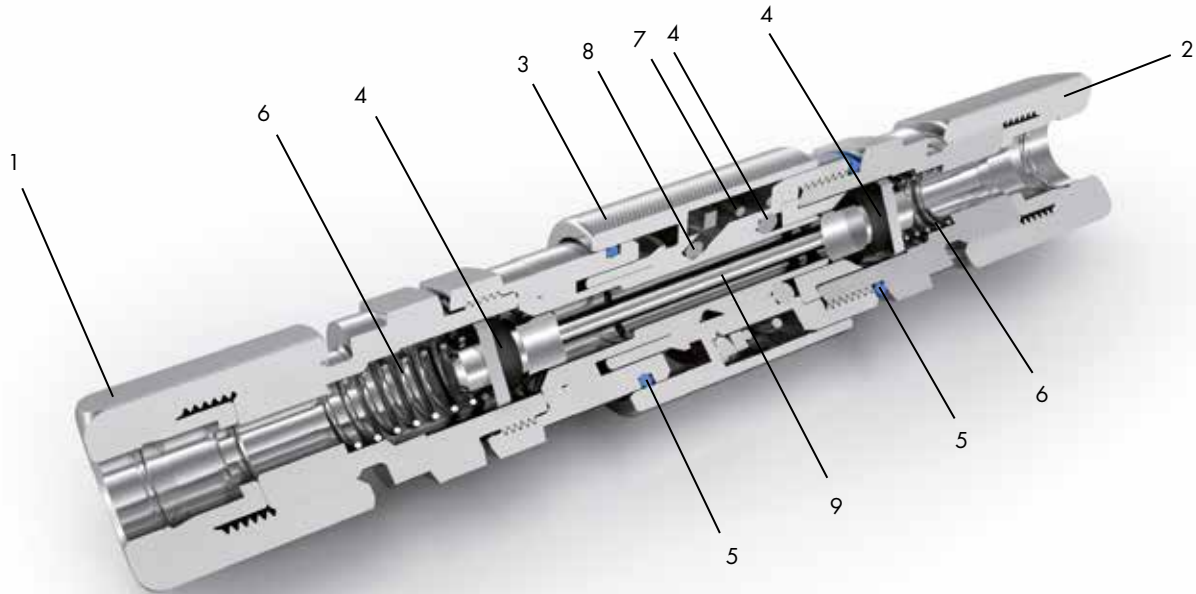


**Safe thanks to coding**



**The stainless steel safety coupling**

# The safety coupling in stainless steel for high demands



No.	Description	Material	No.	Description	Material	No.	Description	Material
1	Nipple	Inox 1.4571	4*	Seal	FKM	7	Return spring	Inox 1.4310
2	Coupler	Inox 1.4571	5*	Color coding	FKM	8	Roller	Inox 1.4305
3	Sliding sleeve	Inox 1.4571	6	Compression spring	Inox 1.4310	9	Valve (option)	Inox 1.4571

## \* Options available





4: Seal: other materials on request

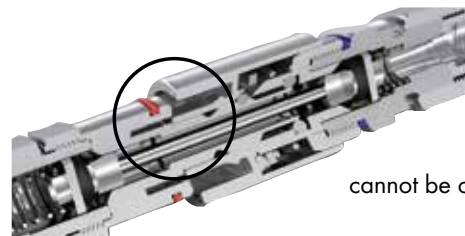
5: Color coding: blue, red, green, yellow

## Characteristics

The **color coded version** provides significant advantages in respect of **safety in use** and is available in blue, green, yellow and red. Correct coupling is guaranteed visually with the different colored options and mechanically with the geometry of the parts – **differing colors will not interconnected**. This ensures the correct operation of the system and proves ideal when being used with different media which should not to be mixed. Even greater safety can be achieved by using plastic tubing in matching colors.

## Application example

-  Oxygen = blue
-  Nitrogen = green
-  Acetylene = yellow
-  Combustible gases = red



cannot be coupled

## Fields of application



Water treatment



Medical equipment



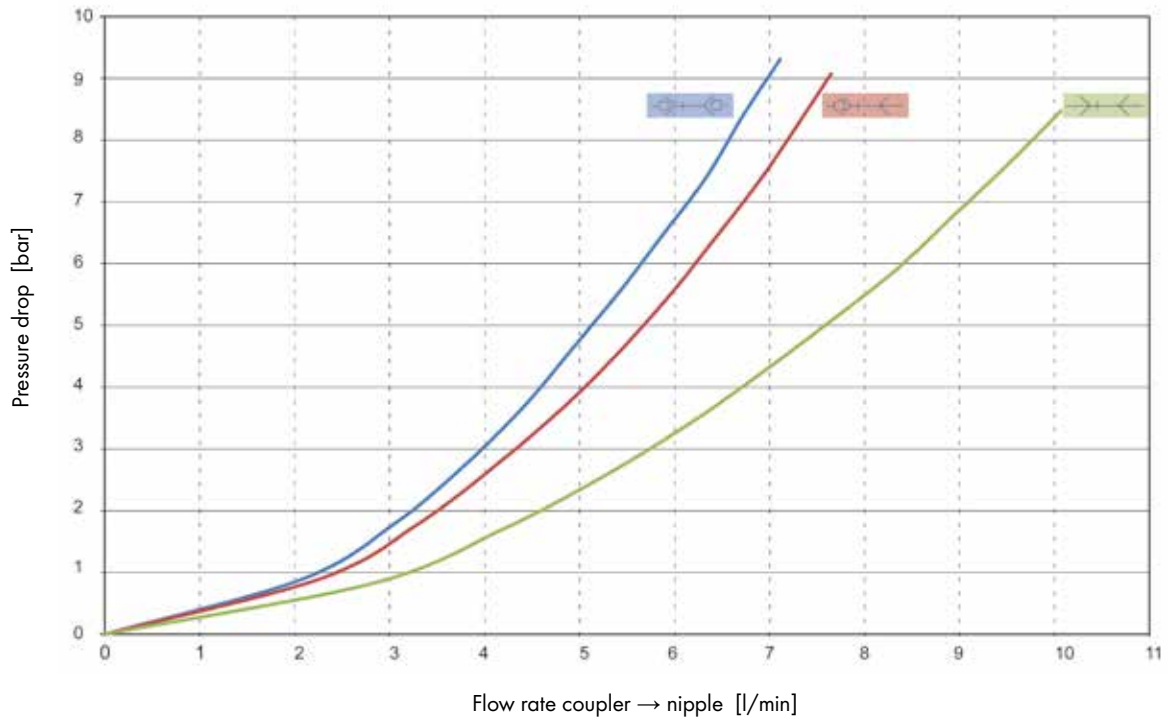
Chemical industry



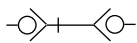
Pharma

# Technical information

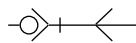
## Pressure loss curve for water



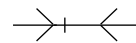
### Functions



double-sided shut-off  
coupler with valve CO KA  
nipple with valve CO TA



one-sided shut-off  
coupler with valve CO KA  
nipple without valve CO T

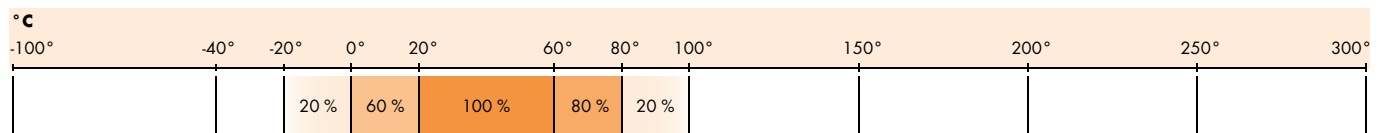


no shut-off  
coupler without valve CO K  
nipple without valve CO T

### Specifications

Working pressure (PN): 200 bar  
Temperature: -20°C to +120°C  
Sterilizable: yes  
Safety factor: 1.5 times

### Pressure coefficient in % of PN



### Order information material description

Example: CO KA/B-SOS-6 EV

CO	KA/	B-	SOS-	6	E	V
Coupling	K Coupler straight without valve KA Coupler straight with valve	B blue R red	SOS SERTO connection SOA Male adaptor thread	6 for tube outside diameter 6 mm 1/8 BSP thread straight	Stainless steel	Seal FKM
	T Nipple straight without valve TA Nipple straight with valve	G green Y yellow	SOSC SERTO connection, panel mount			

**Kuppler codiert mit SERTO-Anschluss**

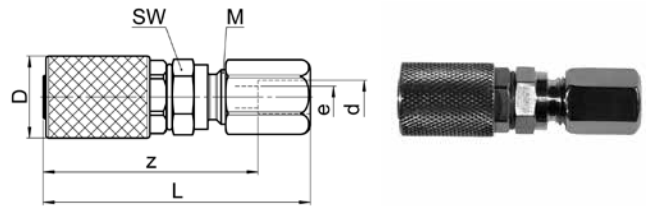
ohne Ventil

**Coupleur codé avec raccord SERTO**

sans soupape

**Coupler coded with SERTO connection**

without valve

**CO K/..-SOS**

Type -d	Mat.-Nr.	bar	Col	M	SW	L	D	z	e	kg/100
CO KB-SOS-6 EV	298.1100.060	200	blue	10x1	12	45.0	15.0	37.0	4.0	3.400
CO KR-SOS-6 EV	298.1110.060	200	red	10x1	12	45.0	15.0	37.0	4.0	3.400
CO KG-SOS-6 EV	298.1120.060	200	green	10x1	12	45.0	15.0	37.0	4.0	3.400
CO KY-SOS-6 EV	298.1130.060	200	yellow	10x1	12	45.0	15.0	37.0	4.0	3.400

**Kuppler codiert mit SERTO-Anschluss**

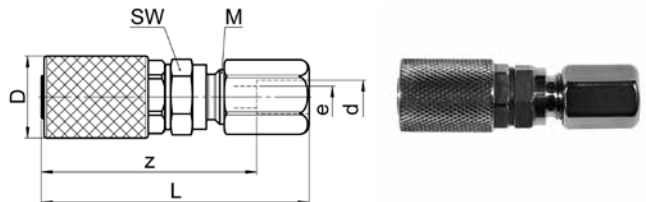
mit Ventil

**Coupleur codé avec raccord SERTO**

avec soupape

**Coupler coded with SERTO connection**

with valve

**CO KA/..-SOS**

Type -d	Mat.-Nr.	bar	Col	M	SW	L	D	z	e	kg/100
CO KAB-SOS-6 EV	298.2100.060	200	blue	10x1	12	47.0	15.0	39.0	4.0	3.700
CO KAR-SOS-6 EV	298.2110.060	200	red	10x1	12	47.0	15.0	39.0	4.0	3.700
CO KAG-SOS-6 EV	298.2120.060	200	green	10x1	12	47.0	15.0	39.0	4.0	3.700
CO KAY-SOS-6 EV	298.2130.060	200	yellow	10x1	12	47.0	15.0	39.0	4.0	3.700

**Kuppler codiert in Schottausführung mit SERTO-Anschluss**

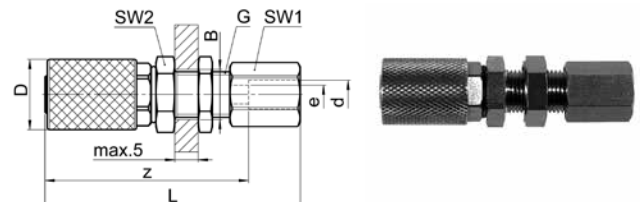
ohne Ventil

**Coupleur passage de cloison codé avec raccord SERTO**

sans soupape

**Panel mount coupler coded with SERTO connection**

without valve

**CO K/..-SOSC**

Type -d	Mat.-Nr.	bar	Col	G	SW1	SW2	L	D	B	z	e	kg/100
CO KB-SOSC-6-EV	298.1200.060	200	blue	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.500
CO KR-SOSC-6-EV	298.1210.060	200	red	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.500
CO KG-SOSC-6-EV	298.1220.060	200	green	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.500
CO KY-SOSC-6-EV	298.1230.060	200	yellow	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.500

## Kuppler codiert in Schottausführung mit SERTO-Anschluss

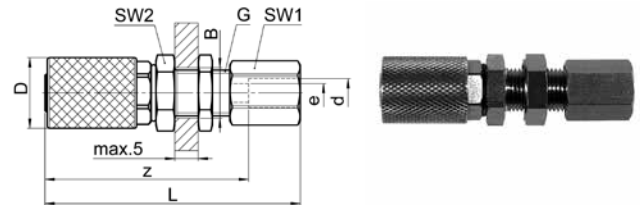
mit Ventil

## Coupleur passage de cloison codé avec raccord SERTO

avec soupape

## Panel mount coupler coded with SERTO connection

with valve

**CO KA/..-SOSC**


Type -d	Mat.-Nr.	bar	Col	G	SW1	SW2	L	D	B	z	e	kg/100
CO KAB-SOSC-6 EV	298.2200.060	200	blue	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.800
CO KAR-SOSC-6 EV	298.2210.060	200	red	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.800
CO KA/G-SOSC-6 EV	298.2220.060	200	green	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.800
CO KAY-SOSC-6 EV	298.2230.060	200	yellow	1/8	12	14	54.0	15.0	10.0	46.0	4.0	3.800

## Kuppler codiert in Schottausführung mit Einschraubgewinde

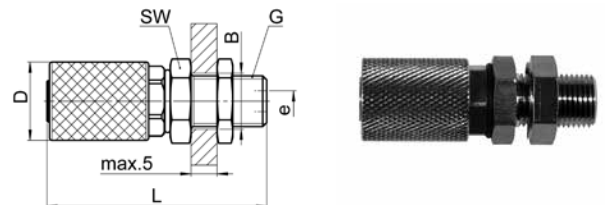
mit Ventil

## Coupleur passage de cloison codé avec filetage mâle

avec soupape

## Panel mount coupler coded with male adaptor thread

with valve

**CO KA/..-SOA**


Type -G	Mat.-Nr.	bar	Col	SW	L	D	B	e	kg/100
CO KAB-SOA-1/8 EV	298.2400.060	200	blue	14	45.0	15.0	10.0	4.0	3.600
CO KAR-SOA-1/8 EV	298.2410.060	200	red	14	45.0	15.0	10.0	4.0	3.600
CO KA/G-SOA-1/8 EV	298.2420.060	200	green	14	45.0	15.0	10.0	4.0	3.600
CO KAY-SOA-1/8 EV	298.2430.060	200	yellow	14	45.0	15.0	10.0	4.0	3.600

**Stecker codiert mit SERTO-Anschluss**

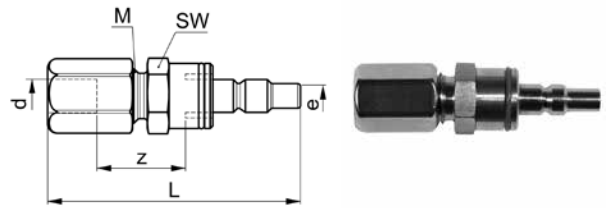
ohne Ventil

**Embout codé avec raccord SERTO**

sans soupape

**Nipple coded with SERTO connection**

without valve

**CO T/..-SOS**

Type -d	Mat.-Nr.	bar	Col	M	SW	L	z	e	kg/100
CO TB-SOS-6 EV	298.4100.060	200	blue	10x1	12	44.5	16.0	3.5	2.400
CO TR-SOS-6 EV	298.4110.060	200	red	10x1	12	44.5	16.0	3.5	2.400
CO TG-SOS-6 EV	298.4120.060	200	green	10x1	12	44.5	16.0	3.5	2.400
CO TY-SOS-6 EV	298.4130.060	200	yellow	10x1	12	44.5	16.0	3.5	2.400

**Stecker codiert mit SERTO-Anschluss**

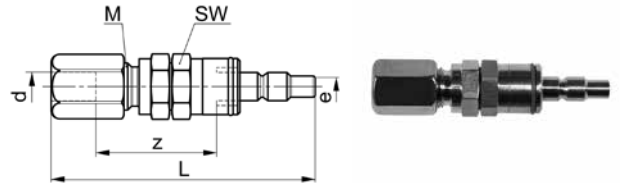
mit Ventil

**Embout codé avec raccord SERTO**

avec soupape

**Nipple coded with SERTO connection**

with valve

**CO TA/..-SOS**

Type -d	Mat.-Nr.	bar	Col	M	SW	L	z	e	kg/100
CO TAB-SOS-6 EV	298.5100.060	200	blue	10x1	12	54.5	26.5	3.5	3.000
CO TAR-SOS-6 EV	298.5110.060	200	red	10x1	12	54.5	26.5	3.5	3.000
CO TAG-SOS-6 EV	298.5120.060	200	green	10x1	12	54.5	26.5	3.5	3.000
CO TAY-SOS-6 EV	298.5130.060	200	yellow	10x1	12	54.5	26.5	3.5	3.000

**Stecker codiert mit Einschraubgewinde**

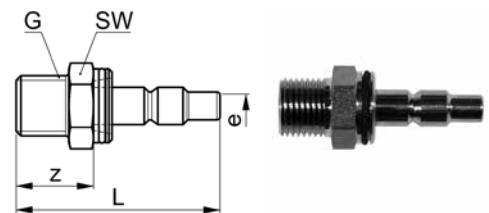
ohne Ventil

**Embout codé avec filetage mâle**

sans soupape

**Nipple coded with male adaptor thread**

without valve

**CO T/..-SOA**

Type -G	Mat.-Nr.	bar	Col	SW	L	z	e	kg/100
CO TB-SOA-1/8 EV	298.4400.060	200	blue	12	33.0	12.5	3.5	1.100

**For extra safety, use colored hoses.**



You find the matching colors in the ranges of Polyethylene LDPE and Polyamide PA.  
(see chapter 19 in the SERTO catalog)



Plastics



Stainless steel



Brass



Ready-to-fit tubes



Aluminium



Pre-assembled kits



Steel



Consulting



Cleaning options



Valves, shut-off valves