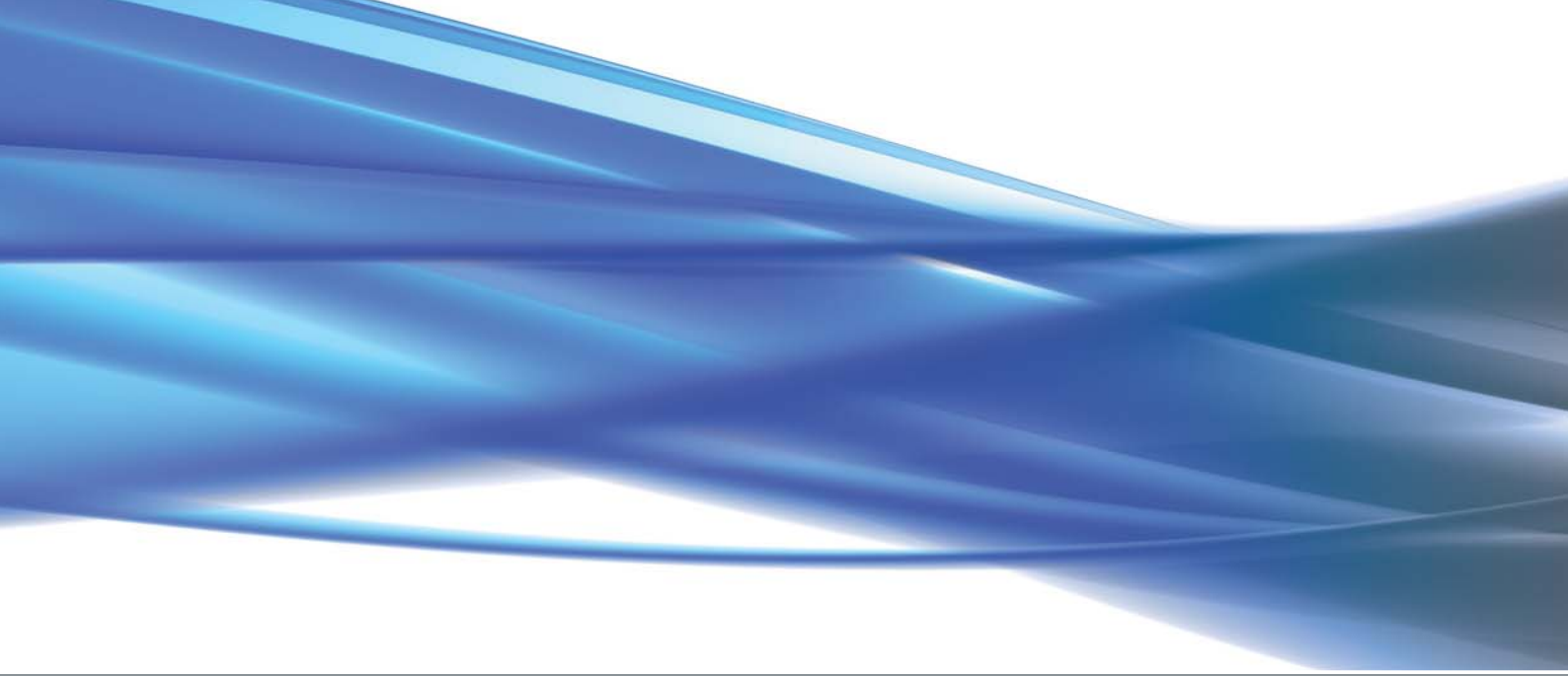


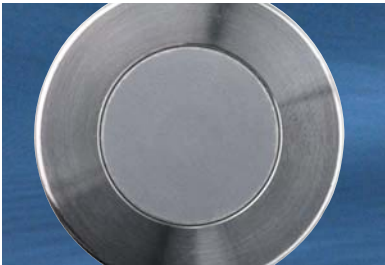
## CBX Hydraulics





## Anti-pollution technology ...

- mineral or synthetic oil,
- lubricating oil

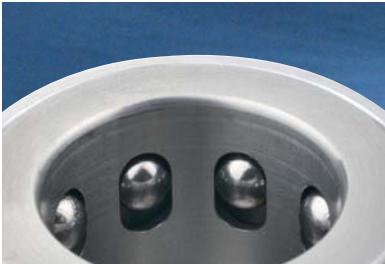


### Spill-free to ensure operator safety

- no discharge and no work place contamination,
- protection for tools and production.

### A wider range

The CBX is now available in 4 nominal bores: 3, 6, 9 and 12 mm.



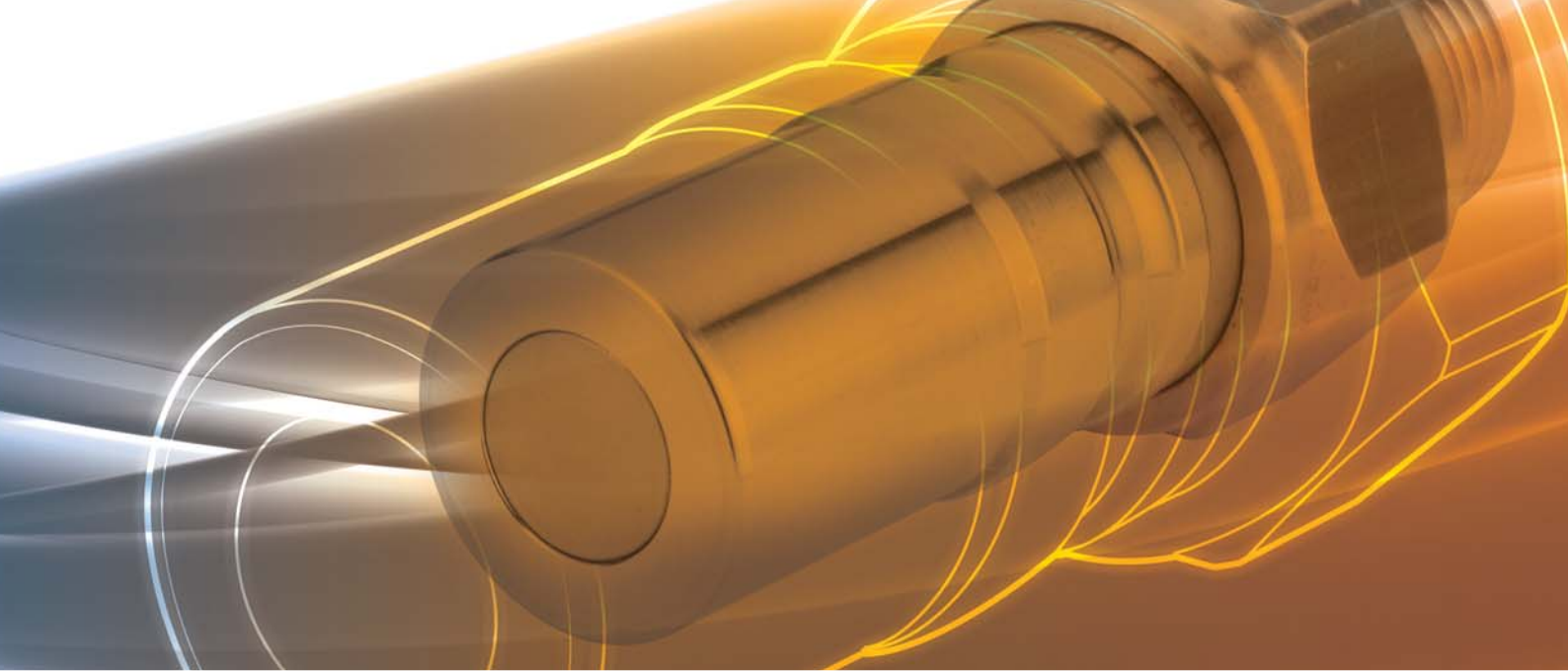
### Flat faces to guarantee the integrity of fluids

- no pollution enters your circuits.



### Excellent mechanical strength

The robust construction with long plug guiding in the socket, in the connected position provides the CBX with great strength to withstand high mechanical stresses (vibrations, oscillations, etc).



## ... servicing your hydraulic applications

### Push; and it's connected

Automatic locking CBXs give you ever easier handling.

A concept that is especially suitable for:

- blind connection,
- repeated connections.

### Compact design

Especially suitable for difficult access situations.

### Efficiency

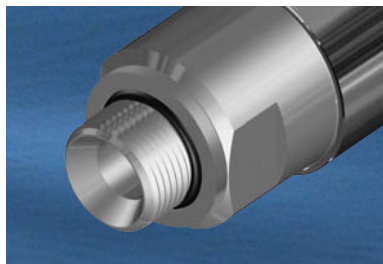
Maximum flow in the smallest size.

### Ease of connection

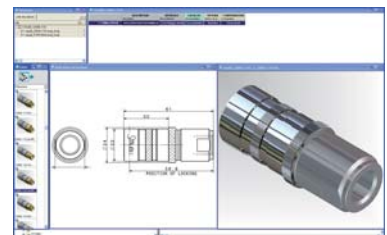
- Front sealing by a seal fitted into the back adapter **on all cylindrical male plugs.**



- Sealing by sealing-kit KES ring possible **on all cylindrical male sockets.**



3D-files available on request.





## Technical data

		CBX 03	CBX 06	CBX 09	CBX 12
<b>Max. working pressure (bar)</b>		450	180	180	180
<b>Bore diameter (mm)</b>		3	6	9	12
<b>Shut-off</b>	double				
<b>Construction</b>	stainless steel + brass	-	✓	✓	-
	100% stainless steel	✓	BF code	BF code	✓

## Sealing

Seals:

- Nitrile (NBR)
- Fluorocarbon (FPM)
- Perfluoroelastomer (FFKM) in the fluid jet

Other seal material available on request.

## Working temperatures

### Without dust cap

Type of flow	Type of seal	Working temperatures (°C)
Hydraulic and mineral oils	Nitrile (NBR)	- 15 to + 100 °C
Mineral heat transfer oil	Fluorocarbon (FPM)	- 10 to + 150 °C
Synthetic oil	Fluorocarbon (FPM)	- 10 to + 200 °C
	Perfluoroelastomer (FFKM)	0 to + 250 °C

**Working temperatures for dust caps in Choroprene (CR): - 20 to + 100 °C**

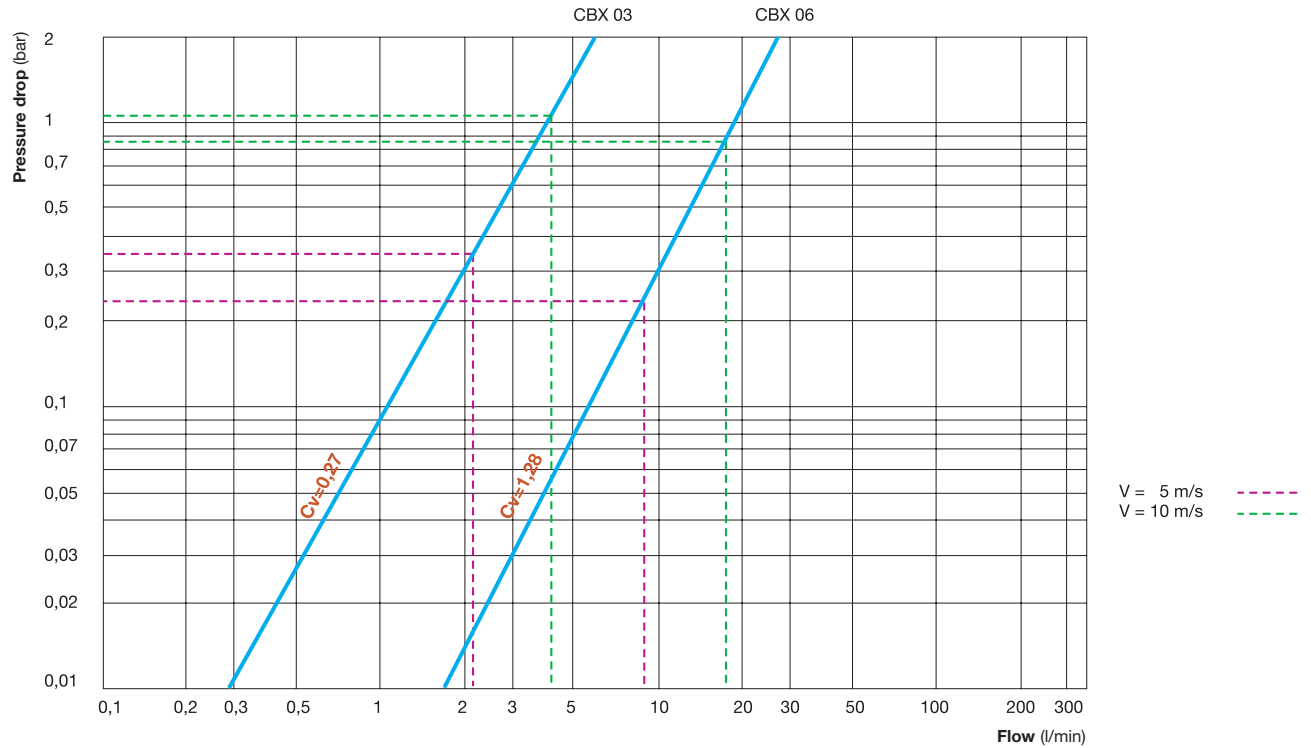
For other temperatures, consult us.

# Hydraulic flow rate / pressure drop charts

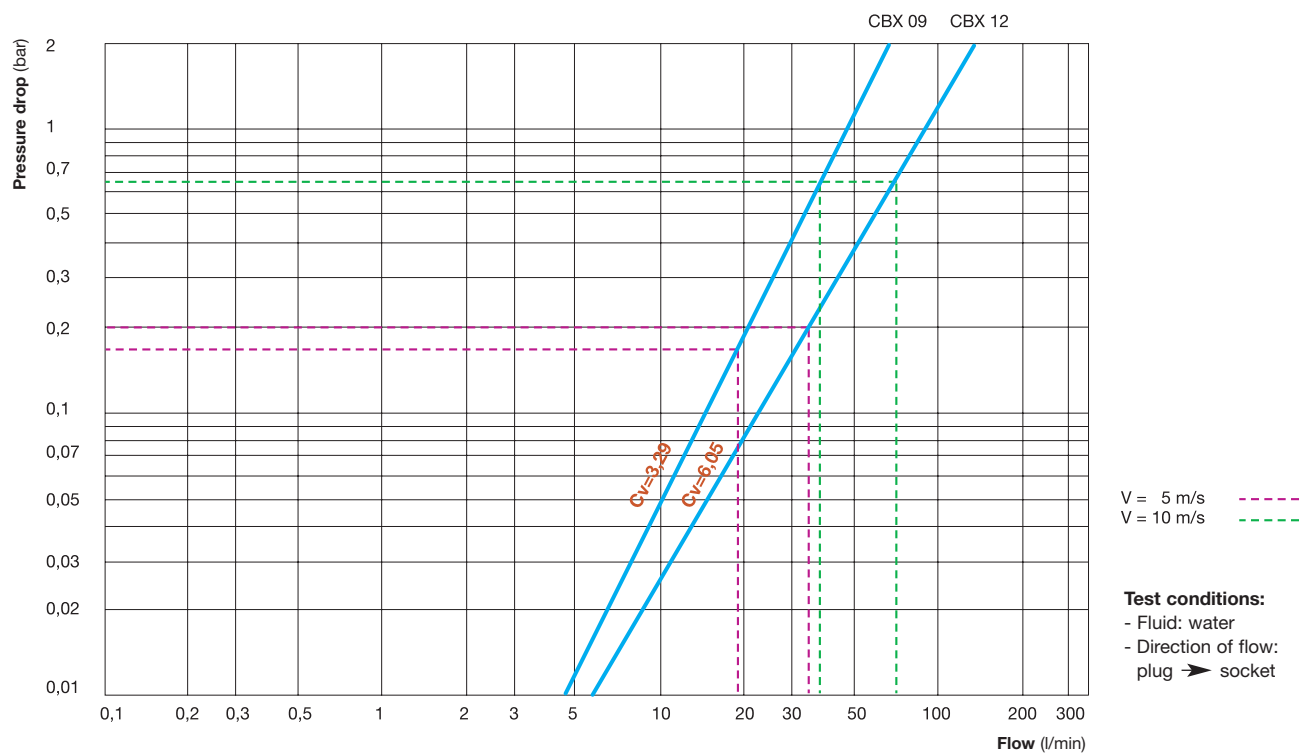
- - - Speed of flow less than or equal to 5 m/s:  
- all seals
- - - Speed of flow between 5 and 10 m/s:  
- Nitrile and Fluorocarbon seals  
- temperatures  $\leq 60\text{ }^{\circ}\text{C}$

Speed (m/s)	Flow (l/mn)			
	CBX 03	CBX 06	CBX 09	CBX 12
5 - - -	2	8,5	19	34
10 - - -	4	17	38	68

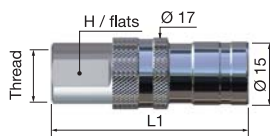
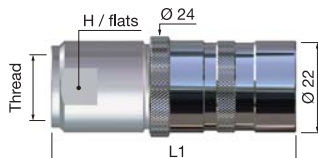
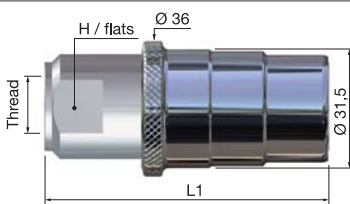
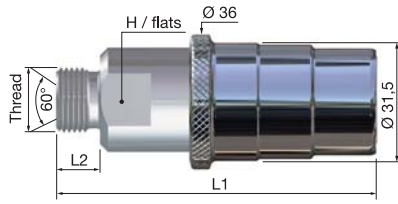
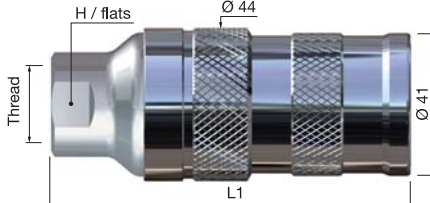
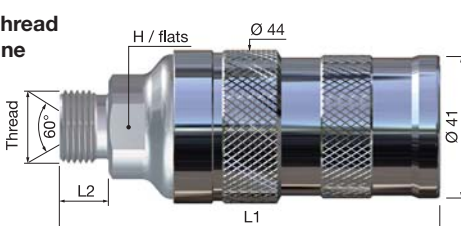
## CBX 03 and CBX 06



## CBX 09 and CBX 12



# Sockets

Model	Designation	End connection	Dimensions (mm)			Part-numbers	
			L1	L2	H/flats		
CBX 03	1. Female thread		G 1/8	48,5	13	CBX 03.1100	
			NPT 1/8	46,5	13	CBX 03.1200	
CBX 06	1. Female thread		G 1/4	61	20	CBX 06.1101	
			G 3/8	65	21	CBX 06.1102	
			NPT 1/4	61	17	CBX 06.1201	
CBX 09	1. Female thread		G 3/8	75,5	24	CBX 09.1102	
	NPT 3/8		75,5	24	CBX 09.1202		
CBX 09	2. BSP male thread with 60° cone		G 3/8	82	12	24	CBX 09.1152
CBX 12	1. Female thread		G 1/2	103	27	CBX 12.1103	
			NPT 1/2	103	27	CBX 12.1203	
	2. BSP male thread with 60° cone		G 1/2	109	14	27	CBX 12.1153

## Sealing

Fluorocarbon (FPM) and Perfluoroelastomer (FFKM) seals are available on all models.

Add the corresponding code to the socket and plug part-numbers:

**JV:** Fluorocarbon seals

**JKV:** Perfluoroelastomer seals (in the fluid jet)

Ex.: CBX 09.1102/JV

## Protective dust caps

Socket dust cap part-numbers: CBX xx.8500



Plug dust cap part-numbers: CBX xx.8550



## KES sealing-kit



Possible on all the BSP male threaded sockets.

Part-numbers of the KES sealing-kits:

G 3/8      KES 01.9102

G 1/2      KES 01.9103

Available in 2 different types of seals:

**no code:** Nitrile seal

**JV code:** Fluorocarbon seal

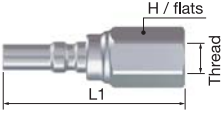
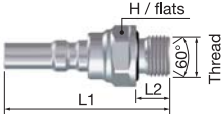

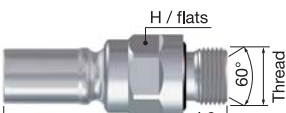

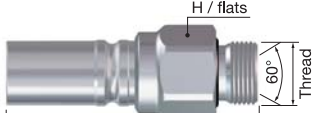
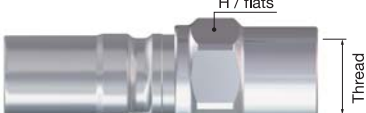




## 100% stainless steel CBX 06 and CBX 09

Add the code BF to the concerned part-numbers of the sockets and the plugs.

Ex.: CBX 06.1101/BF - CBX 06.7151/BF

# Plugs

Model	Designation	End connection	Dimensions (mm)			Part-numbers
			L1	L2	H/flats	
CBX 03	1. Female thread 	G 1/8	43,5		13	CBX 03.7100
		NPT 1/8	41,5		13	CBX 03.7200
	2. BSP male thread with 60° cone and integrated tightness 	G 1/8	39,5	8	13	CBX 03.7150
CBX 06	1. Female thread 	G 1/4	59		17	CBX 06.7101
		G 3/8	61		21	CBX 06.7102
		NPT 1/4	58		17	CBX 06.7201
	2. BSP male thread with 60° cone and integrated tightness 	G 1/4	54	10	17	CBX 06.7151
CBX 09	1. Female thread 	G 3/8	71		23	CBX 09.7102
		NPT 3/8	70		23	CBX 09.7202
	2. BSP male thread with 60° cone and integrated tightness 	G 3/8	67	11	23	CBX 09.7152
CBX 12	1. Female thread 	G 1/2	90		30	CBX 12.7103
		NPT 1/2	90		30	CBX 12.7203
	2. BSP male thread with 60° cone and integrated tightness 	G 1/2	85	14	30	CBX 12.7153
	3. BSP conical male thread 	R 1/2	89	15	30	CBX 12.7163

## Overall dimensions in coupled position

$$L = (L1 \text{ socket} + L1 \text{ plug}) - X$$



Model	X (mm)	Model	X (mm)
CBX 03	18,6	CBX 09	33
CBX 06	24,7	CBX 12	46

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