

FAST MOVING TECHNOLOGY

*STÄUBLI*

# CGB quick-release couplings

**Thermal management**



# Quick and secure connections for your cooling circuits



## Fluids

- Glycol water
- Cooling liquids

## Applications

- High performance computer
- Data Centre
- Internet switch
- Broadcasting
- Medical
- Water cooling units (chiller)
- Rear doors
- Heat exchangers

## Compact design

Very compact, CGB connectors fit easily into racks, where available space is very limited.

Connection to heat exchangers is therefore facilitated.

## Non-drip to ensure cleanliness and safety of installations

The flat-faced design guarantees a perfect tightness and total safety at the heart of your processes:

- No contamination of the environment due to fluid loss.
- Suitable for electrical and high voltage environments.

## Visual circuit identification

Coloured markings (blue **/KB** and red **/KR**) allow operators to easily identify input and output circuits to ensure a reliable, tight and secure connection between cooling circuits. A version without color mark is also available.




The opportunity to spend less and contribute to a sustainable development programme

With Stäubli, you can rely on:

- the performance of your equipment
- reliability of long-term investments
- no workplace pollution

## Technical characteristics

	CGB 20	CGB 25
Nominal diameter DN (mm)	20	25
Max. allowable pressure PS (bar)	10	10
Minimum and maximum allowable temperatures TS (°C)	- 20 and + 150	- 20 and + 150
Shut-off	double	

### Construction

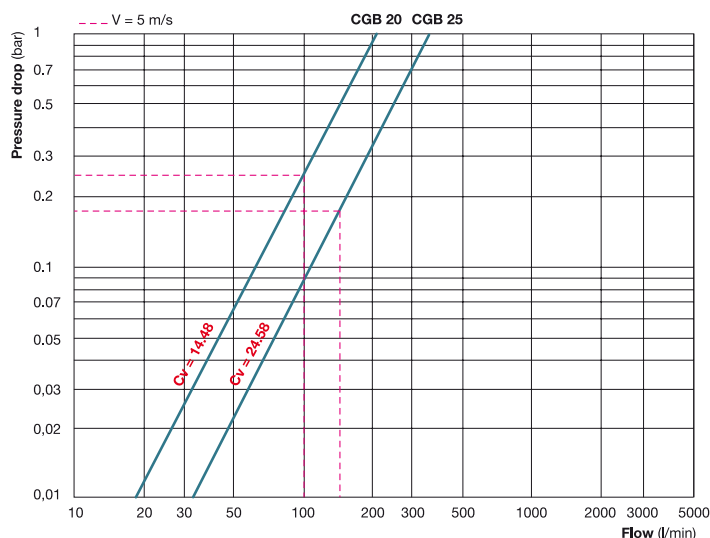
Mainly nickel-plated brass and stainless steel

### Sealing

Type of seals: Ethylene-Propylene (EPDM)

**Important !** The use and any contact of the Ethylene-Propylene (EPDM) seal with fluids of mineral origin (oil, fat... etc.) are not advised.

## Hydraulic flow rate / pressure drop charts



Flow (l/min) for a speed of 5 m/s:

CGB 20 ..... 100

CGB 25 ..... 147

### Test conditions:

Fluid: water

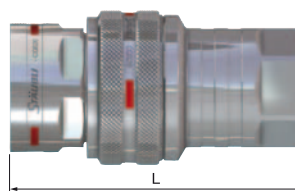
Direction of flow: socket → plug

## Part numbers

	Model	Fitting F	Dimensions (mm)			Part numbers
			Ø D	L	H/flats	
BSP female thread socket	CGB 20	G 1	59.5	83.5	41	CGB 20.1105/JE
						CGB 20.1105/JE/KB
						CGB 20.1105/JE/KR
BSP female thread plug	CGB 25	G 1 1/4	74	104.5	50	CGB 25.1106/JE
						CGB 25.1106/JE/KB
						CGB 25.1106/JE/KR
BSP female thread socket	CGB 20	G 1 1/4	49.5	63	46	CGB 20.7106/JE
						CGB 20.7106/JE/KB
						CGB 20.7106/JE/KR
BSP female thread plug	CGB 25	G 1 1/2	59	68	55	CGB 25.7107/JE
						CGB 25.7107/JE/KB
						CGB 25.7107/JE/KR

## Overall dimensions in connected position

Model	X (mm)
CGB 20	112.5
CGB 25	131





● Staubli Units    ○ Representatives/Agents

# Global presence of the Staubli Group

[www.staubli.com](http://www.staubli.com)