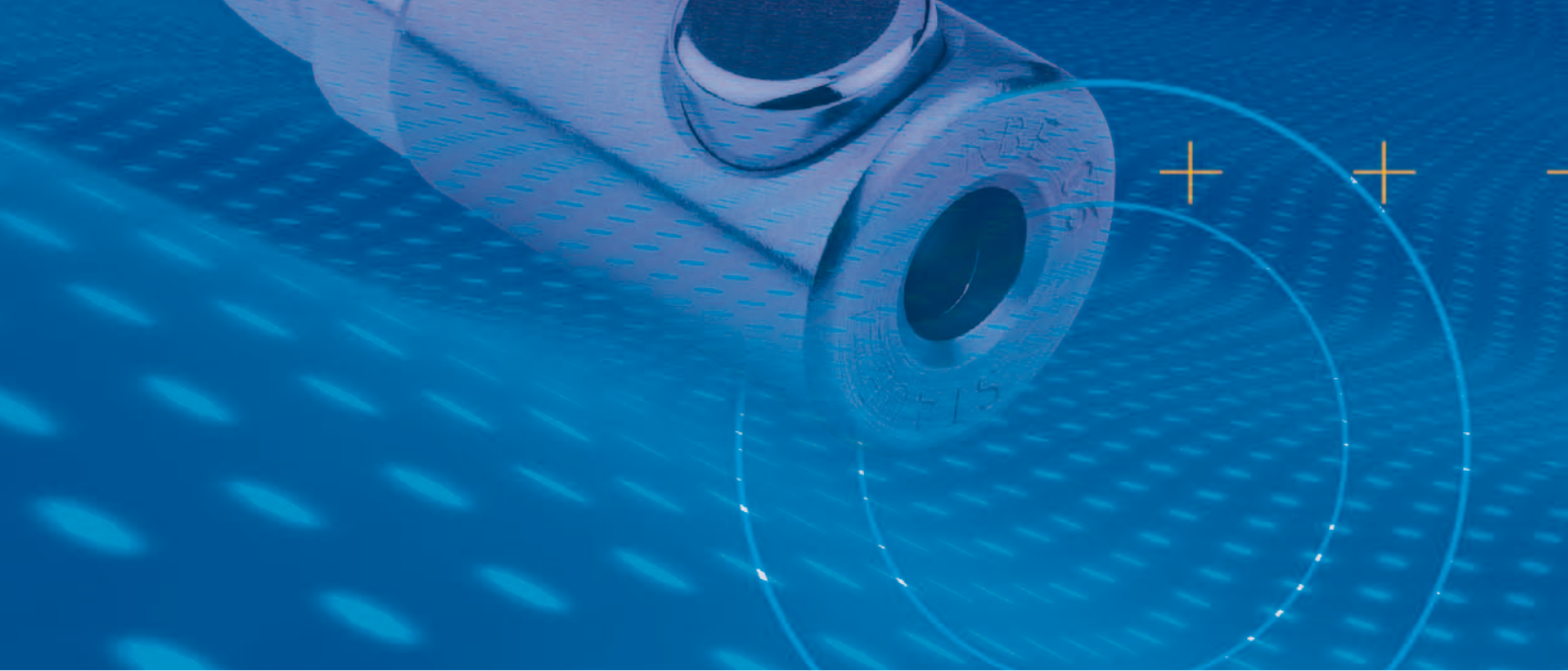


RBE modular quick-release coupling range

All fluids





The right solution...

Applications

- Gas: hydrogen, argon, nitrogen, helium...
- Steam
- Solvents, acids
- Liquids
- High pressure
- Process vacuum...

In all industrial and research sectors.

Optimum safety

through the design of the product, the quality of the materials used and the right seal type for the fluid being transported.

This aspect is particularly important in circuits carrying corrosive gases and fluids.

Efficiency

RBE couplings for all fluids are highly efficient, giving optimum flow.

Lasting Stäubli tightness

proven by over 50 years of industrial connections for fluids.

Modularity

The **comprehensive**, fully **modular** RBE range for all fluids offers a choice of:

- 5 coupling sizes
 - 3 types of construction
 - 7 seal materials
 - 3 shut-offs
 - and numerous options, meaning that you can **put together the right quick-release coupling** for your application depending on the fluid characteristics:
 - Type
 - Pressure
 - Temperature
- and the required flow rate.



... for all of your applications

The speed and simplicity of push-button technology



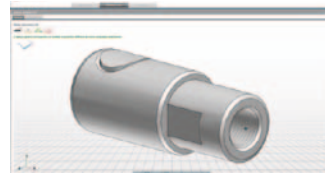
Connected and disconnected with **one hand** for **greater ease of use**:

- Connected by pushing the plug directly into the socket.
- Disconnected by pressing the locking button.

Tried and tested reliability and efficiency

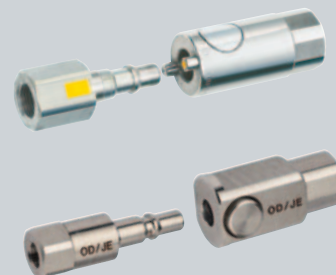
The technology behind Stäubli couplings gives long service life at the lowest possible operating cost.

3D models and sizing plans are available on request

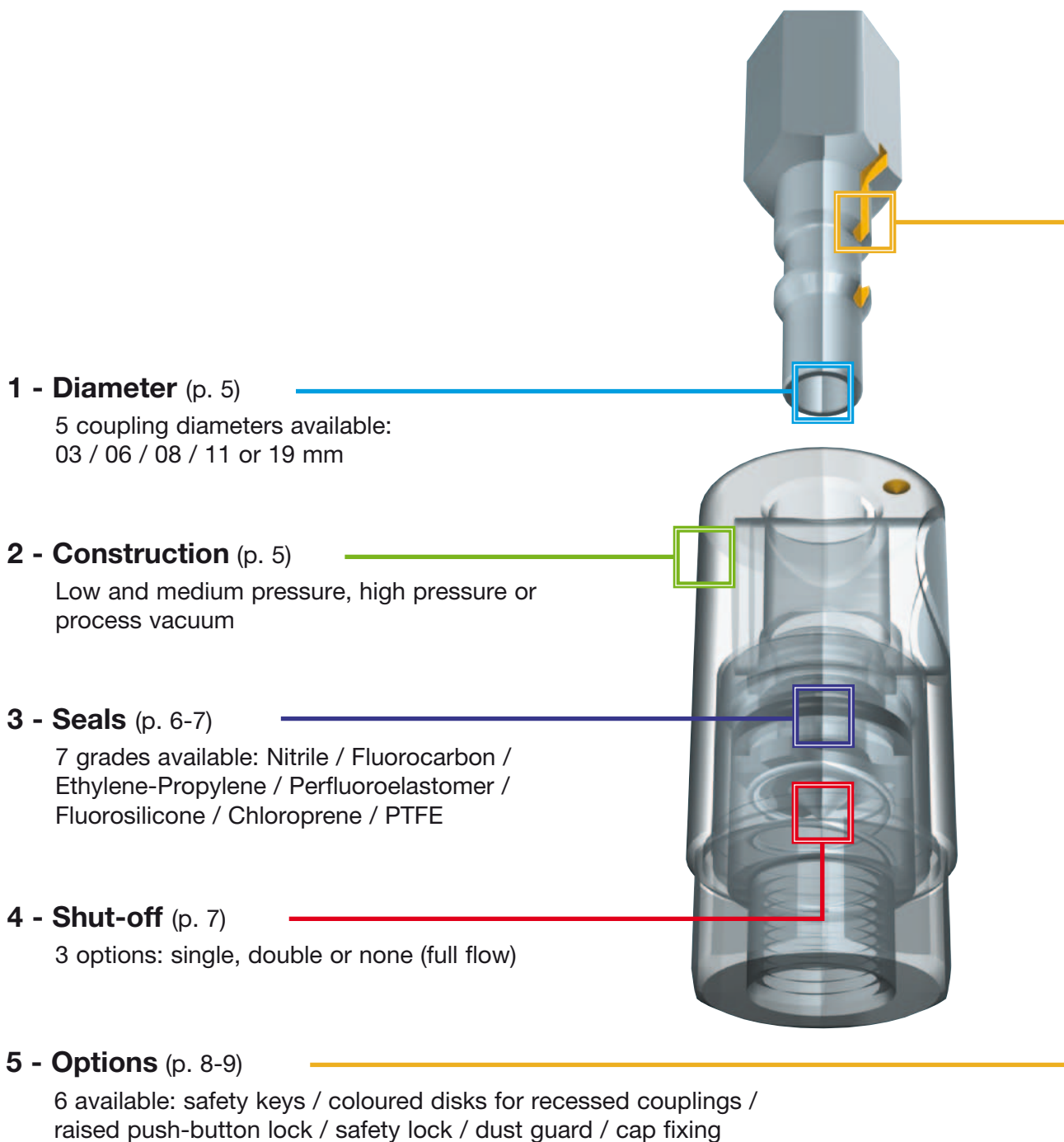


To meet the **specific requirements** of some industries, the RBE range also includes quick-release couplings:

- For **heavy iron and steel applications** involving oxygen, flammable gases and neutral gases (RBE11/UR).
- For **nuclear remote handling** (see leaflet RG100).



Five key steps to determine the right quick-release coupling for your application...



1 - Flow diameter

5 coupling sizes: nominal Ø of 03, 06, 08, 11 or 19 mm.

2 - Construction

The type of construction selected depends on the fluid carried, the maximum operating pressure and the external environment.

Low and medium pressure

Air, various gases, oils, hydrocarbons... with no specific corrosion resistance requirements.

Max. working pressure: 50 bar

Mainly 17% chrome stainless steel.
Coupling shut-off: anti-corrosion treated steel.

As standard: no code

Water, air, various gases, oils, hydrocarbons...

Max. working pressure: 50 bar

Mainly 17% chrome stainless steel

Code IA

Various corrosive gases, sea water, a large number of chemicals... in a corrosive atmosphere.

Max. working pressure: 15 bar

AISI 316L stainless steel

Code IC

High pressure

High pressure liquids.

Max. working pressure: up to 450 bar depending on diameter and material series

17% chrome stainless steel and AISI 316L stainless steel

Code IA/HPL

High pressure gases.

Max. working pressure: up to 450 bar depending on diameter and material series

Plug body and lock: high strength stainless steel

17% chrome stainless steel and AISI 316L stainless steel

Code IA / HPG

High pressure liquids and gases, with specific decontamination and corrosion resistance requirements.

Max. working pressure: up to 450 bar depending on diameter and material series

Plug body and lock: high strength stainless steel

AISI 316L stainless steel

Code IC / HPI

Process vacuum

Recommended for a process vacuum up to 10^{-3} torr and for all applications requiring a high degree of tightness.
Vacuum tightness: $1 \cdot 10^{-3}$ N.cm³/s. in connected and disconnected position.

For even more stringent requirements, please ask us.

Internal parts: AISI 316L stainless steel

Code IA/W

For optimum performance, sockets and plugs with the same construction must be used.

Socket	Full flow plug	Auto shut-off plug
standard	standard	standard or IA
IA	standard	IA
IC	IC	IC
IA / HPL	HPL	IA / HPL
IA / HPG	HPG	IA / HPG
IC / HPI	IC / HPI	IC / HPI
IA / W	standard	IA / W

- For **hydraulic applications**, use our flat-face SPX couplings (see leaflet RF125).

- For **hydraulic circuits with pulsating or vibrating flow**, use our HPX quick-release couplings (see leaflet RF150).

3 - Seals

The seal material selected depends on:

- the fluid carried,
- the working temperature,
- and the maximum working pressure.

Material	Code	Working temperatures	Applications
Nitrile (NBR)	standard	- 15 °C to + 100 °C	<ul style="list-style-type: none"> - General applications. - High mechanical strength.
Fluorocarbon (FPM)	JV	- 10 °C to + 200 °C	<ul style="list-style-type: none"> - Good chemical resistance. - Outstanding resistance to high temperatures up to 200 °C. - Resistance to mineral oils, synthetic hydraulic oils, fuels, chemicals, hydrocarbons and coolants.
Ethylene-propylene (EPDM)	JE	- 20 °C to + 150 °C Hot water, steam: up to 200 °C	<ul style="list-style-type: none"> - Excellent resistance to high temperatures. - Compatible with phosphate-based brake fluids - esters, hot and cold water, steam.
Perfluoroelastomer (FFKM)	JK	0 to + 250 °C	<ul style="list-style-type: none"> - Combines the qualities of an elastomer with the chemical resistance of PTFE. - Remarkable resistance to heat and most chemical agents including inorganic and organic acids. - Coolants.
Fluorosilicone (FMQ)	JS3	- 45 °C to + 175 °C	<ul style="list-style-type: none"> - Max. working pressure: 50 bar - Good resistance to low and high temperatures. - Resistance to mineral oils, fuels.
PTFE (not available on 3 and 8 mm diameters)	JT*	- 50 °C to + 200 °C	<ul style="list-style-type: none"> - Max. working pressure: 80 bar - Excellent chemical resistance. - Very good resistance to low and high temperatures. - Superior performance to elastomers
Chloroprene (CR)	JC	- 40 °C to + 100 °C	<ul style="list-style-type: none"> - Good resistance to ageing and refrigerants.

* Only available on IA and IC constructions

To design the best solution for your application, we recommend that you give us the following information:

- type of fluid
- pressure
- temperature
- concentration of salts and acids in aqueous solutions
- specific operating conditions


Please do not hesitate to contact our technician for advice.

Our experience as a quick-release coupling specialist is at your disposal.

KES sealing kit

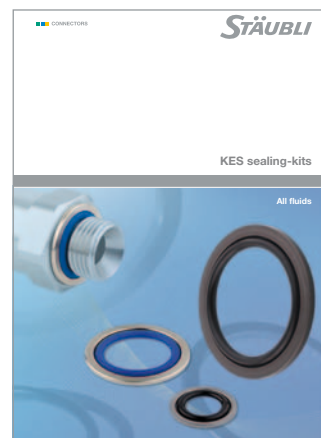


KES sealing kits consist of a retaining ring and an O-ring to create a perfect seal between the socket or the plug and its holder.

Part-numbers that are compatible with this option are indicated by the symbol  in the part-number tables on p. 14 to 25.

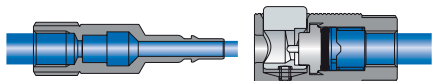
KES sealing kits must be ordered separately.

Select the ring and seal materials depending on your application, using our new documentation RP003.



4 - Shut-off

Single shut-off



Recommended for:

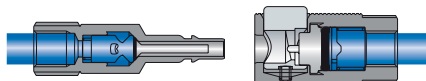
- Non-aggressive fluids
- Non-polluting products
- Non-hazardous gases
- Applications requiring decompression of the downstream line

- Socket with automatic shut-off
- Full flow plug

Socket: **standard**

Plug: **full flow**

Double shut-off



Recommended for:

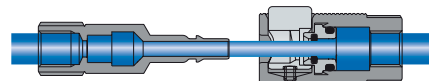
- Low and high pressure oil circuits
- Hazardous, aggressive or polluting gases or products
- Minimising spillage

- Socket and plug with automatic shut-off

Socket: **code OD**

Plug: **shut-off valve**

No shut-off (full flow)



Recommended for:

- Non-aggressive fluids
- Slurries
- Salt water, lime water or untreated mains water
- Non-polluting products
- Non-hazardous gases
- Gives a higher flow rate for the same flow diameter

- Full flow socket and plug

Socket: **code OS**

Plug: **full flow**

5 - Options

7 safety keys





They prevent any mistaken connection of different gases or fluids and enable methodical identification of circuits.

- **Mechanical interlock**

2 grooves machined into the plug (key) line up with two stubs on the socket (key).

- **Visual identification** by coloured marks on the plug and socket.



	Yellow	180°		Code 0
	Purple	165°		Code 15*
	Red	150°		Code 3
	Green	135°		Code 45
	Blue	120°		Code 6
	Brown	105°		Code 75*
	Black	90°		Code 9

* Safety keys unavailable on all diameters: consult us

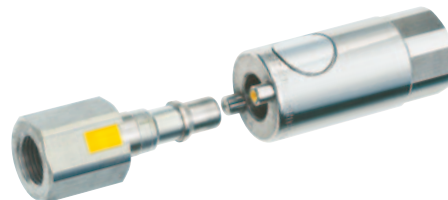
- Safety keys also available on recessed couplings:

- **Standard and IA construction:** disc supplied as standard in the colour of the key.

- **IC construction:** grey disc as standard, but a disc that matches the colour of the key only can be ordered, specifying the colour code in the part-number (see below).



- **For heavy iron and steel applications involving gases,** we also offer the **RBE 11/UR** quick-release couplings with **stud safety keys**.



Coloured disks for recessed couplings

For immediate visual identification of circuits.



	Yellow	code DKJ
	Purple	code DKW
	Red	code DKR
	Green	code DKV
	Blue	code DKB
	Brown	code DKM
	Black	code DKN

Safety lock



To unlock:
1. push back the cover
2. press the lock

Code VS

Not available on IC construction.

Raised push-button lock



Recommended for frequent unlocking or if protective gloves are worn.

Code VD

Dust guard



When coupled, the chloroprene (CR) guard protects the working parts of the coupling against the ingress of dust and other matter.

Must be fitted with raised push-button lock, code VD.

Working temperatures: - 20 °C to + 100 °C

Not available on RBE 03

Code VD / PP

Fixing for protective cap

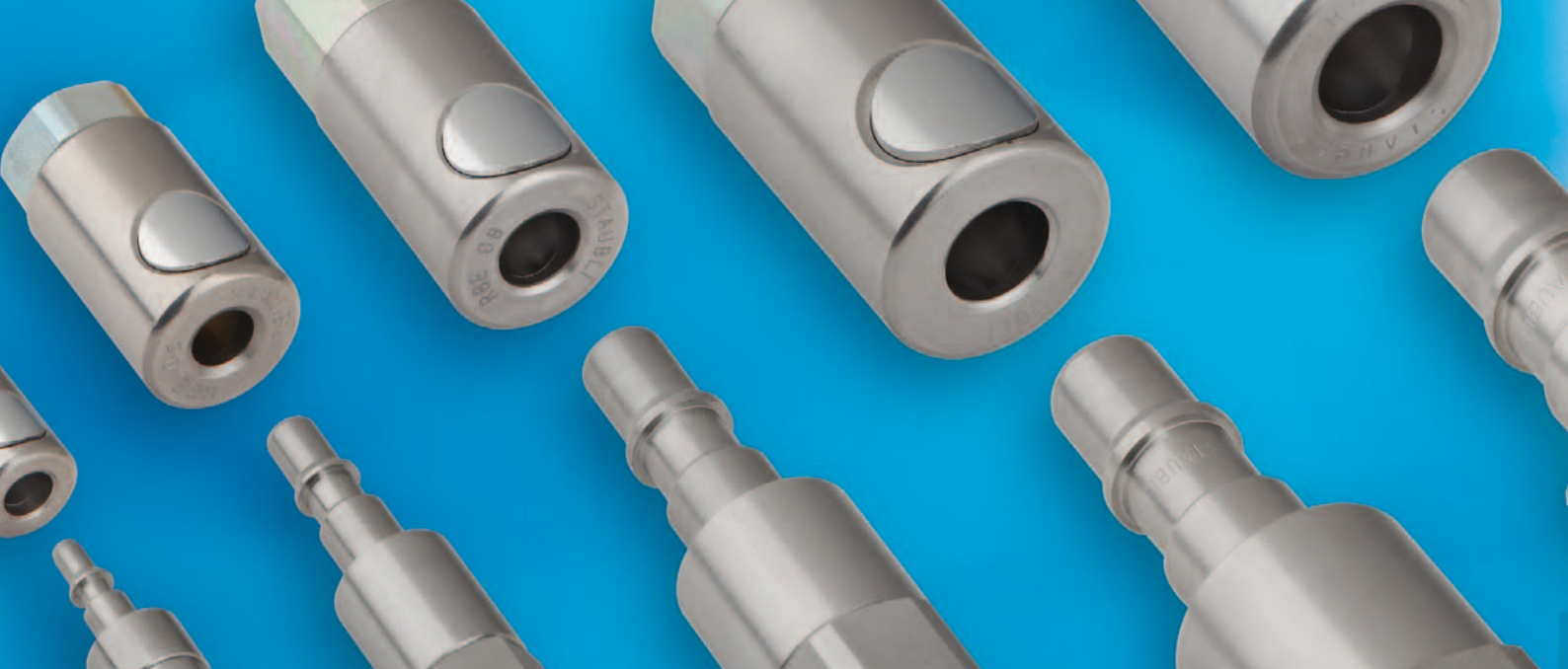


Protective cap to be ordered separately: see page 27.

Code FB

Other options are also available: please ask us

- **DG:** degreasing of metal components.
- **PE:** electropolishing for stainless steel components.
- **OX:** product prepared for use of oxygen.
- **FDA:** product prepared for compliance with FDA requirement.
- **USP:** product prepared for compliance with USP requirement.



Technical data

	RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Flow diameter (mm)	3	5.5	8	11	19
Flow area (mm ²)	7	23.75	50	95	283

Max. working pressure (bar)

RBE coupling series	standard		IA		IA/HPL	IA /HPG	IC	IC /HPI
RBE 03	50	16 ⁽¹⁾	50	16 ⁽¹⁾	400	400	15 ⁽²⁾	400
RBE 06	50	16 ⁽¹⁾	50	16 ⁽¹⁾	450	450	15 ⁽²⁾	450
RBE 08	50	16 ⁽¹⁾	50	16 ⁽¹⁾	400	400	15 ⁽²⁾	400
RBE 11	50	16 ⁽¹⁾	50	16 ⁽¹⁾	350	350	15 ⁽²⁾	350
RBE 19	50	16 ⁽¹⁾	50	16 ⁽¹⁾	300	300	15 ⁽²⁾	300

(1) Connection for rubber hose and ear clamp or jubilee clip assembly: pressure up to 16 bar.

(2) For higher pressures, please ask us.

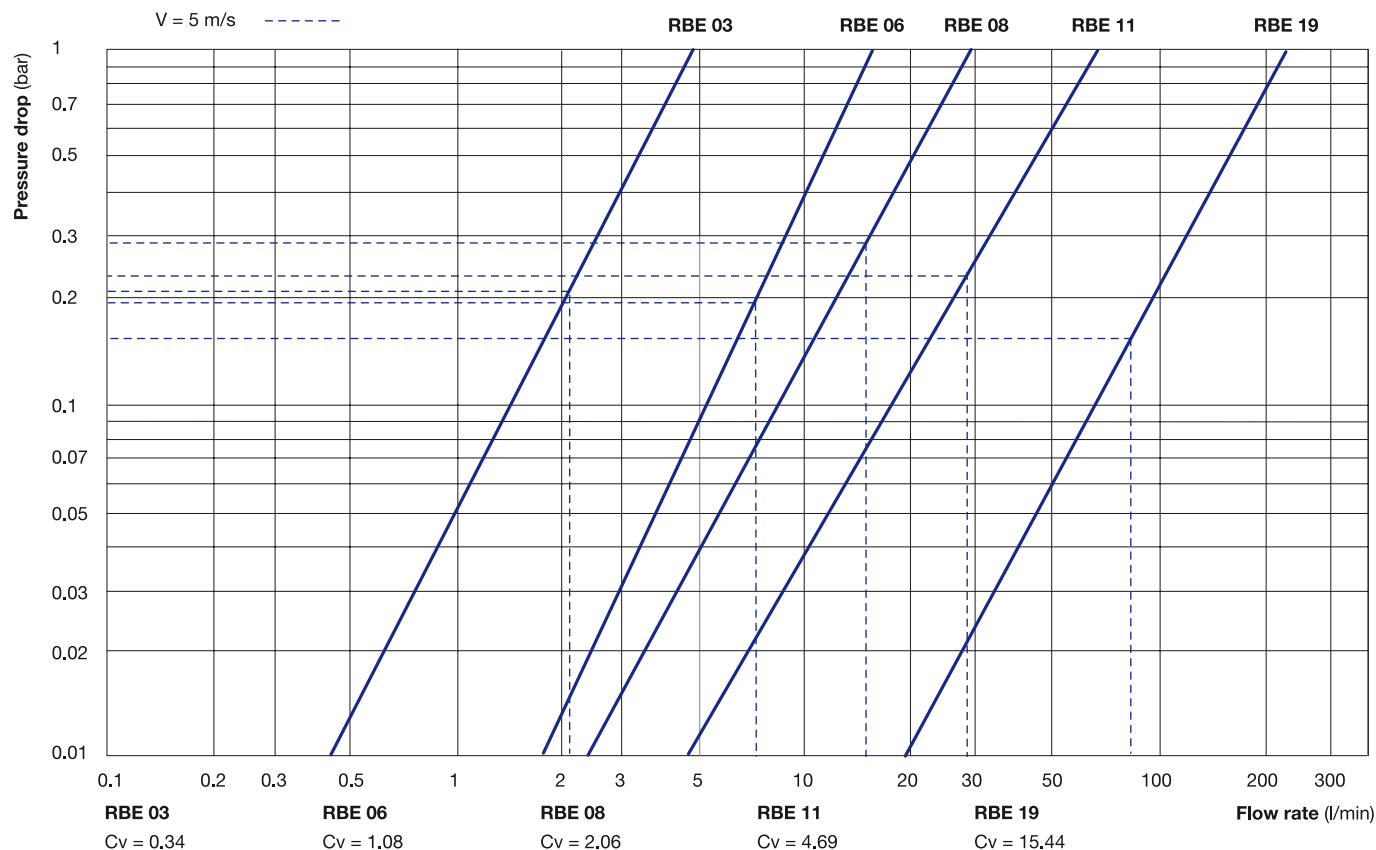
For hazardous gases as defined in Directive 2014/68/EU, please ask us for the maximum operating pressure.

	RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Hydraulic flow rate in l/min at a velocity of 5 m/s					
Single shut-off	2.1	7.2	15.1	28.5	85
Double shut-off	1.5	5	12.2	24.8	76
No shut-off (full flow)	2.1	7.2	15.1	28.5	85

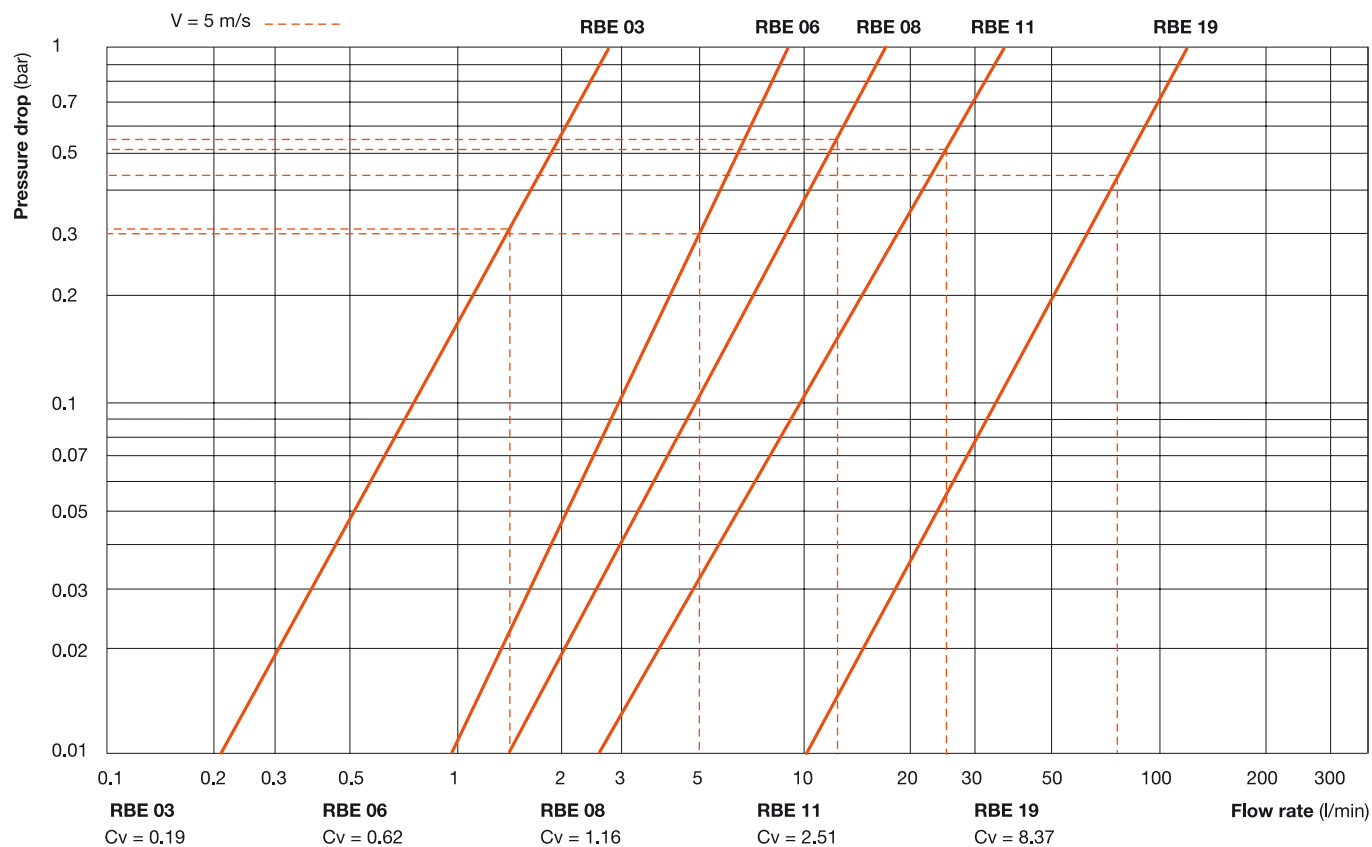
	RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Pneumatic flow rate in Nm ³ /h for inlet pressure of 6 bar, pressure drop of 0.3 bar and temperature of 10 °C					
Single shut-off	11	35	70	140	450
Double shut-off	6.5	18	45	90	240
No shut-off (full flow)	13	42	110	210	600

Flow rate/pressure drop hydraulic charts

1 Single shut-off circuit



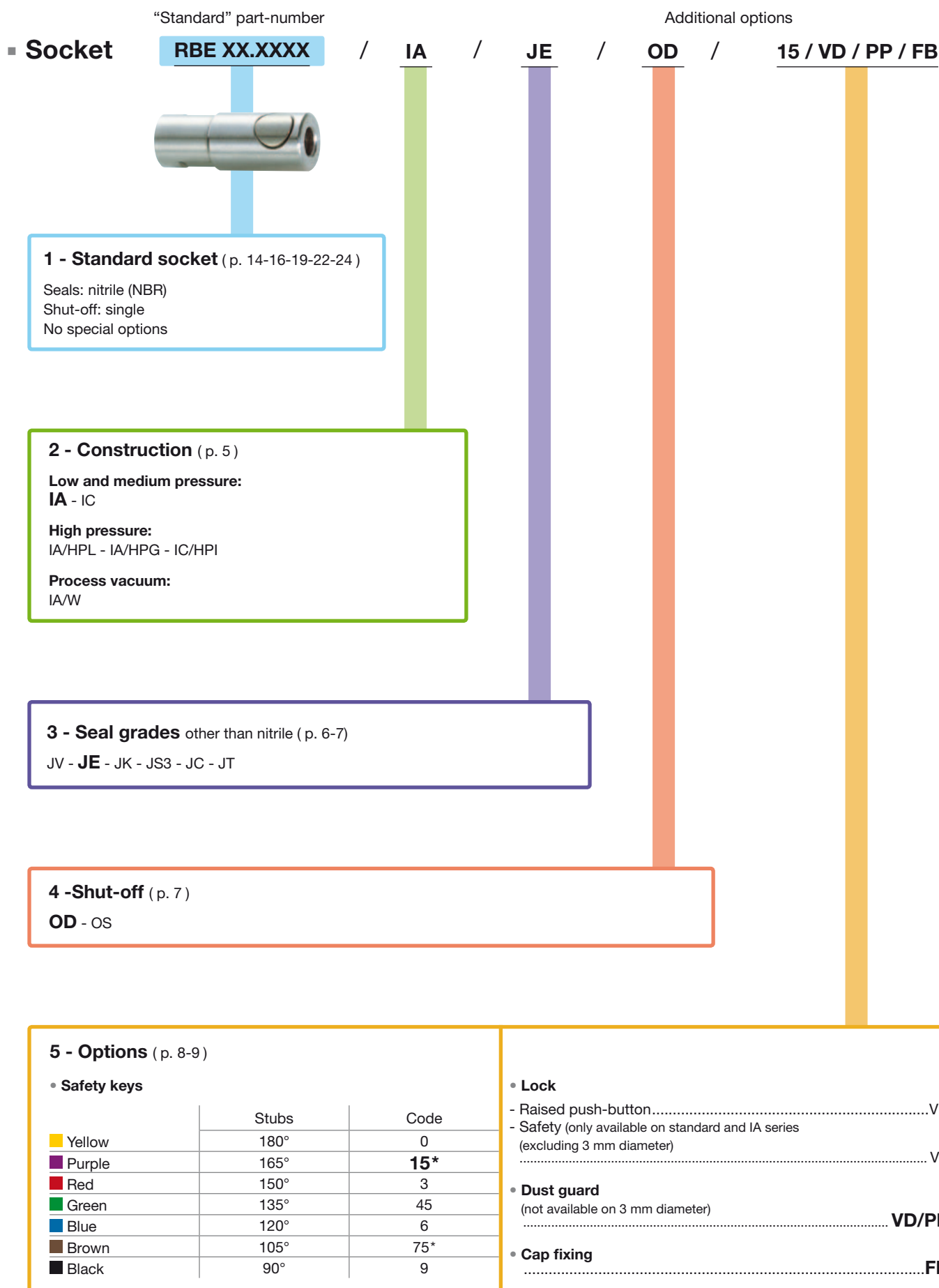
2 Double shut-off circuit



Test conditions:

- Fluid: water
- Direction of flow: socket → plug

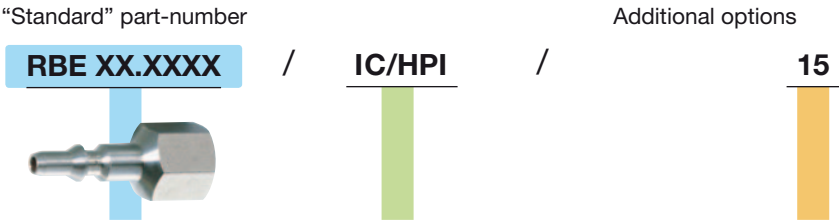
How to create your socket part-number



* Safety keys unavailable on all diameters: consult us

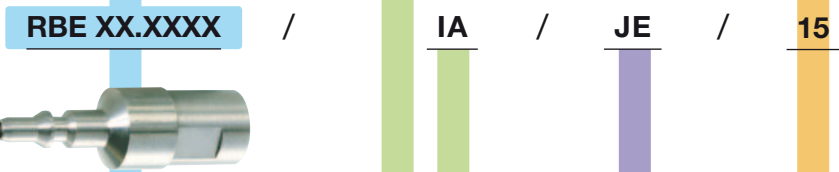
How to create your plug part-number

Full flow plug



Auto shut-off plug

(with socket code OD only)
Supplied with chloroprene (CR)
protective cap



1 - Standard plug (p. 15-17-18-20-21-23-25)
No special options - No code

Full flow plug

2 - Construction (p. 5)

Low and medium pressure:
IC

High pressure:
HPL - HPG - IC/HPI

Auto shut-off plug

2 - Construction (p. 5)

Low and medium pressure:
IA - IC

High pressure:
IA/HPL - IA/HPG - IC/HPI

Process vacuum:
IA/W

3 - Seal grades other than nitrile for auto shut-off plug (p. 6-7)
JV - JE - JK - JS3 - JC - JT

5 - Options (p. 8-9)








Safety keys	Stubs	Code
Yellow	180°	0
Purple	165°	15*
Red	150°	3
Green	135°	45
Blue	120°	6
Brown	105°	75*
Black	90°	9

* Safety keys unavailable on all diameters: consult us

RBE 03 Sockets

Standard

Panel mounted

End connection		Part-numbers						Part-numbers	
Female thread									
	G 1/8	RBE 03.1100	●	●	●	●	●	●	RBE 03.2100
	NPT 1/8	RBE 03.1200	●	●	●	●	●	●	RBE 03.2200
	NPT 1/4	RBE 03.1201	●	●	●	●	●	●	
	UN 7/16 - 20 *	RBE 03.1311	●	●	●	●	●	●	
* as per SAE J 1926									
	G 1/8	RBE 03.1150	●	●	●	●	●	●	RBE 03.2150
	G 1/4	RBE 03.1151	●	●	●	●	●	●	RBE 03.2151
	NPT 1/8	RBE 03.1250	●	●	●	●	●	●	RBE 03.2250
	NPT 1/4	RBE 03.1251	●	●	●	●	●	●	RBE 03.2251
For rubber hose									
	Ø 4 mm	RBE 03.1804	●	●			●		RBE 03.2804
	Ø 6 mm	RBE 03.1806	●	●			●		RBE 03.2806
	Ø 4/6 mm	RBE 03.1904	●	●			●		RBE 03.2904
	Ø 6/8 mm	RBE 03.1906	●	●			●		RBE 03.2906
For copper pipe									
	Ø 4/6 mm	RBE 03.1704	●						RBE 03.2704
	Ø 6/8 mm	RBE 03.1706	●						RBE 03.2706
For calibrated stainless steel pipe* (double ring union)									
	ext. Ø 6 mm	RBE 03.1766		●	●	●	●	●	RBE 03.2766
	ext. Ø 8 mm	RBE 03.1768		●	●	●	●	●	RBE 03.2768
	ext. Ø 1/4"	RBE 03.1753		●	●	●	●	●	RBE 03.2753
Clamp profile pursuant to ISO 2852 and DIN 32676									
	Ø 25 mm	RBE 03.1025					●		
	Ø 34 mm	RBE 03.1034					●		
	Ø 50 mm	RBE 03.1050					●		

* Characteristics of stainless steel pipes: compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)

Full flow

Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)

End connection	Part-numbers		STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers	End connection
Female thread												
G 1/8	RBE 03.6100	•	•	•					•	•		
NPT 1/8	RBE 03.6200	•	•	•					•	•		
		•			•	•	•	•	•	•	RBE 03.7100	G 1/8
		•			•	•	•	•	•	•	RBE 03.7200	NPT 1/8
		•			•	•	•	•	•	•	RBE 03.7311	UN 7/16 - 20 *
												* as per SAE J 1926
Male thread												
G 1/8	RBE 03.6150	•	•	•					•	•		
G 1/4	RBE 03.6151	•	•	•					•	•		
NPT 1/8	RBE 03.6250	•	•	•					•	•		
NPT 1/4	RBE 03.6251	•	•	•					•	•		
		•			•	•	•	•	•	•	RBE 03.7150	G 1/8
		•			•	•	•	•	•	•	RBE 03.7151	G 1/4
		•			•	•	•	•	•	•	RBE 03.7250	NPT 1/8
		•			•	•	•	•	•	•	RBE 03.7251	NPT 1/4
For rubber hose												
Ø 4 mm	RBE 03.6804	•							•			
Ø 6 mm	RBE 03.6806	•							•			
		•			•				•		RBE 03.7804	Ø 4 mm
		•			•				•		RBE 03.7806	Ø 6 mm
For plastic pipe												
Ø 4/6 mm	RBE 03.6904	•							•			
Ø 6/8 mm	RBE 03.6906	•							•			
		•			•				•		RBE 03.7904	Ø 4/6 mm
		•			•				•		RBE 03.7906	Ø 6/8 mm
For copper pipe												
Ø 4/6 mm	RBE 03.6704	•							•			
Ø 6/8 mm	RBE 03.6706	•							•			
		•			•				•		RBE 03.7704	Ø 4/6 mm
		•			•				•		RBE 03.7706	Ø 6/8 mm
For calibrated stainless steel pipe* (double ring union)												
ext. Ø 6 mm	RBE 03.6766	•	•	•					•	•		
ext. Ø 8 mm	RBE 03.6768	•	•	•					•	•		
ext. Ø 1/4"	RBE 03.6753	•	•	•					•	•		
					•	•	•	•	•	•	RBE 03.7766	ext. Ø 6 mm
					•	•	•	•	•	•	RBE 03.7768	ext. Ø 8 mm
					•	•	•	•	•	•	RBE 03.7753	ext. Ø 1/4"
Clamp profile pursuant to ISO 2852 and DIN 32676												
Ø 25 mm	RBE 03.6025								•		RBE 03.7025	Ø 25 mm
Ø 34 mm	RBE 03.6034								•		RBE 03.7034	Ø 34 mm
Ø 50 mm	RBE 03.6050								•		RBE 03.7050	Ø 50 mm




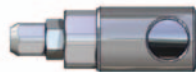



• **Protective caps and manifolds:** see p. 26-27.

* Characteristics of stainless steel pipes: compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)

RBE 06 Sockets

Standard

Panel mounted

End connection		Part-numbers								Part-numbers	
Female thread											
	G 1/8	RBE 06.1100	☺	•	•	•	•	•	•	☺	RBE 06.2100
	G 1/4	RBE 06.1101	☺	•	•	•	•	•	•	☺	RBE 06.2101
	G 3/8	RBE 06.1102	☺	•	•	•	•	•	•	☺	RBE 06.2102
	G 1/2	RBE 06.1103		•	•	•	•	•	•		RBE 06.2103
	Rc 1/4	RBE 06.1111		•	•	•	•	•	•		RBE 06.2111
	NPT 1/8	RBE 06.1200		•	•	•	•	•	•		RBE 06.2200
	NPT 1/4	RBE 06.1201		•	•	•	•	•	•		RBE 06.2201
	NPT 3/8	RBE 06.1202		•	•	•	•	•	•		RBE 06.2202
	NPT 1/2	RBE 06.1203		•	•	•	•	•	•		RBE 06.2203
	UN 9/16 - 18 *	RBE 06.1314		•	•	•	•	•	•		RBE 06.2314
* as per SAE J 1926											
Male thread											
	G 1/8	RBE 06.1150	☺	•	•	•	•	•	•	☺	RBE 06.2150
	G 1/4	RBE 06.1151	☺	•	•	•	•	•	•	☺	RBE 06.2151
	G 3/8	RBE 06.1152	☺	•	•	•	•	•	•	☺	RBE 06.2152
	G 1/2	RBE 06.1153		•	•	•	•	•	•		RBE 06.2153
	NPT 1/8	RBE 06.1250		•	•	•	•	•	•		RBE 06.2250
	NPT 1/4	RBE 06.1251		•	•	•	•	•	•		RBE 06.2251
	NPT 3/8	RBE 06.1252		•	•	•	•	•	•		RBE 06.2252
	NPT 1/2	RBE 06.1253		•	•	•	•	•	•		RBE 06.2253
For rubber hose											
	Ø 6 mm	RBE 06.1806		•	•			•			RBE 06.2806
	Ø 8 mm	RBE 06.1808		•	•			•			RBE 06.2808
	Ø 10 mm	RBE 06.1810		•	•			•			RBE 06.2810
	Ø 13 mm	RBE 06.1813		•	•			•			RBE 06.2813
For plastic pipe											
	Ø 6/8 mm	RBE 06.1906		•	•			•			RBE 06.2906
	Ø 8/10 mm	RBE 06.1908		•	•			•			RBE 06.2908
For copper pipe											
	Ø 6/8 mm	RBE 06.1706		•	•						RBE 06.2706
	Ø 8/10 mm	RBE 06.1708		•	•						RBE 06.2708
For calibrated stainless steel pipe* (double ring union)											
	ext. Ø 6 mm	RBE 06.1766		•	•	•	•	•	•		RBE 06.2766
	ext. Ø 8 mm	RBE 06.1768		•	•	•	•	•	•		RBE 06.2768
	ext. Ø 10 mm	RBE 06.1770		•	•	•	•	•	•		RBE 06.2770
	ext. Ø 1/4"	RBE 06.1753		•	•	•	•	•	•		RBE 06.2753
	ext. Ø 3/8"	RBE 06.1755		•	•	•	•	•	•		RBE 06.2755
	ext. Ø 1/2"	RBE 06.1756		•	•	•	•	•	•		RBE 06.2756
Clamp profile pursuant to ISO 2852 and DIN 32676											
	Ø 25 mm	RBE 06.1025						•			
	Ø 34 mm	RBE 06.1034						•			
	Ø 50 mm	RBE 06.1050						•			

* Characteristics of stainless steel pipes: compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)

Full flow




Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)







End connection Part-numbers

Part-numbers End connection

Female thread

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers	End connection
G 1/8	RBE 06.6100 	•	•	•				•	•		
G 1/4	RBE 06.6101	•	•	•				•	•		
G 3/8	RBE 06.6102 	•	•	•				•	•		
NPT 1/8	RBE 06.6200	•	•	•				•	•		
NPT 1/4	RBE 06.6201	•	•	•				•	•		
NPT 3/8	RBE 06.6202	•	•	•				•	•		
M 14 x 125	RBE 06.6314	•									
UN 9/16 - 20	RBE 06.6315	•									
		•		•	•	•	•	•	•	 RBE 06.7100	G 1/8
		•		•	•	•	•	•	•	RBE 06.7101	G 1/4
		•		•	•	•	•	•	•	RBE 06.7102	G 3/8
		•		•	•	•	•	•	•	RBE 06.7111	Rc 1/4
		•		•	•	•	•	•	•	RBE 06.7200	NPT 1/8
		•		•	•	•	•	•	•	RBE 06.7201	NPT 1/4
		•		•	•	•	•	•	•	RBE 06.7202	NPT 3/8
		•		•	•	•	•	•	•	RBE 06.7314	UN 9/16 - 18*
											* as per SAE J 1926

Male thread

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers	End connection
G 1/8	RBE 06.6150 	•	•	•				•	•		
G 1/4	RBE 06.6151 	•	•	•				•	•		
G 3/8	RBE 06.6152	•	•	•				•	•		
G 1/2	RBE 06.6153 	•	•	•				•	•		
NPT 1/8	RBE 06.6250	•	•	•				•	•		
NPT 1/4	RBE 06.6251	•	•	•				•	•		
NPT 3/8	RBE 06.6252	•	•	•				•	•		
M 14 x 125	RBE 06.6414	•									
UN 9/16 - 20	RBE 06.6415	•									
W 3/8 (With.)	RBE 06.6152/NW	•									
		•		•	•	•	•	•	•	 RBE 06.7150	G 1/8
		•		•	•	•	•	•	•	 RBE 06.7151	G 1/4
		•		•	•	•	•	•	•	 RBE 06.7152	G 3/8
		•		•	•	•	•	•	•	RBE 06.7250	NPT 1/8
		•		•	•	•	•	•	•	RBE 06.7251	NPT 1/4
		•		•	•	•	•	•	•	RBE 06.7252	NPT 3/8

* KES unavailable for standard and HPL versions

For rubber hose

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers	End connection
Ø 4 mm	RBE 06.6804	•						•			
Ø 6 mm	RBE 06.6806	•						•			
Ø 8 mm	RBE 06.6808	•						•			
Ø 10 mm	RBE 06.6810	•						•			
Ø 13 mm	RBE 06.6813	•						•			
		•		•				•		RBE 06.7806	Ø 6 mm
		•		•				•		RBE 06.7808	Ø 8 mm
		•		•				•		RBE 06.7810	Ø 10 mm
		•		•				•		RBE 06.7813	Ø 13 mm

For plastic pipe

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers	End connection
Ø 4/6 mm	RBE 06.6904	•						•			
Ø 6/8 mm	RBE 06.6906	•						•			
	RBE 06.6908	•						•			
		•		•				•		RBE 06.7906	Ø 6/8 mm
		•		•				•		RBE 06.7908	Ø 8/10 mm

RBE 06 Plugs

Full flow

Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)



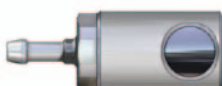




End connection	Part-numbers								Part-numbers	End connection
For copper pipe										
Ø 6/8 mm	RBE 06.6706	•							RBE 06.7706	Ø 6/8 mm
Ø 8/10 mm	RBE 06.6708	•							RBE 06.7708	Ø 8/10 mm
		•		•						
		•		•						
For calibrated stainless steel pipe* (double ring union)										
ext. Ø 6 mm	RBE 06.6766	•	•	•						
ext. Ø 8 mm	RBE 06.6768	•	•	•						
ext. Ø 10 mm	RBE 06.6770	•	•	•						
ext. Ø 1/4"	RBE 06.6753	•	•	•						
ext. Ø 3/8"	RBE 06.6755	•	•	•						
					•	•	•	•	RBE 06.7766	ext. Ø 6 mm
					•	•	•	•	RBE 06.7768	ext. Ø 8 mm
					•	•	•	•	RBE 06.7770	ext. Ø 10 mm
					•	•	•	•	RBE 06.7753	ext. Ø 1/4"
					•	•	•	•	RBE 06.7755	ext. Ø 3/8"
Clamp profile pursuant to ISO 2852 and DIN 32676										
Ø 25 mm	RBE 06.6025							•	RBE 06.7025	Ø 25 mm
Ø 34 mm	RBE 06.6034							•	RBE 06.7034	Ø 34 mm
Ø 50 mm	RBE 06.6050							•	RBE 06.7050	Ø 50 mm

- **Protective caps and manifolds:** see p. 26-27.

* Characteristics of stainless steel pipes: compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)

Standard

Panel mounted

End connection		Part-numbers								Part-numbers	
Female thread											
	G 1/4	RBE 08.1101	☐	•	•	•	•	•	•	☐	RBE 08.2101
	G 3/8	RBE 08.1102	☐	•	•	•	•	•	•	☐	RBE 08.2102
	G 1/2	RBE 08.1103	☐	•	•	•	•	•	•	☐	RBE 08.2103
	Rc 3/8	RBE 08.1112		•	•	•	•	•	•		RBE 08.2112
	NPT 1/4	RBE 08.1201		•	•	•	•	•	•		RBE 08.2201
	NPT 3/8	RBE 08.1202		•	•	•	•	•	•		RBE 08.2202
	NPT 1/2	RBE 08.1203		•	•	•	•	•	•		RBE 08.2203
	UN 3/4 - 16 *	RBE 08.1319		•	•	•	•	•	•		RBE 08.2319
* as per SAE J 1926											
Male thread											
	G 1/4	RBE 08.1151	☐	•	•	•	•	•	•	☐	RBE 08.2151
	G 3/8	RBE 08.1152	☐	•	•	•	•	•	•	☐	RBE 08.2152
	G 1/2	RBE 08.1153	☐	•	•	•	•	•	•	☐	RBE 08.2153
	NPT 1/4	RBE 08.1251		•	•	•	•	•	•		RBE 08.2251
	NPT 3/8	RBE 08.1252		•	•	•	•	•	•		RBE 08.2252
	NPT 1/2	RBE 08.1253		•	•	•	•	•	•		RBE 08.2253
For rubber hose											
	Ø 8 mm	RBE 08.1808		•	•				•		RBE 08.2808
	Ø 10 mm	RBE 08.1810		•	•				•		RBE 08.2810
	Ø 13 mm	RBE 08.1813		•	•				•		RBE 08.2813
	Ø 16 mm	RBE 08.1816		•	•				•		RBE 08.2816
For plastic pipe											
	Ø 8/10 mm	RBE 08.1908		•	•				•		RBE 08.2908
	Ø 10/12 mm	RBE 08.1910		•	•						RBE 08.2910
For copper pipe											
	Ø 8/10 mm	RBE 08.1708		•	•						RBE 08.2708
	Ø 10/12 mm	RBE 08.1710		•	•						RBE 08.2710
For calibrated stainless steel pipe* (double ring union)											
	ext. Ø 10 mm	RBE 08.1770		•	•	•	•	•	•		RBE 08.2770
	ext. Ø 12 mm	RBE 08.1772		•	•	•	•	•	•		RBE 08.2772
	ext. Ø 3/8"	RBE 08.1755		•	•	•	•	•	•		RBE 08.2755
	ext. Ø 1/2"	RBE 08.1756		•	•	•	•	•	•		RBE 08.2756
Clamp profile pursuant to ISO 2852 and DIN 32676											
	Ø 25 mm	RBE 08.1025							•		
	Ø 34 mm	RBE 08.1034							•		
	Ø 50 mm	RBE 08.1050							•		

* Characteristics of stainless steel pipes: compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)

RBE 08 Plugs

Full flow





Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)

End connection Part-numbers




Part-numbers End connection

Female thread

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPL	Part-numbers	End connection
G 1/4	RBE 08.6101 	•	•	•				•	•		
G 3/8	RBE 08.6102 	•	•	•				•	•		
G 1/2	RBE 08.6103	•	•	•				•	•		
NPT 1/4	RBE 08.6201	•	•	•				•	•		
NPT 3/8	RBE 08.6202	•	•	•				•	•		
NPT 1/2	RBE 08.6203	•	•	•				•	•		
		•		•	•	•	•	•	•		RBE 08.7101 G 1/4
		•		•	•	•	•	•	•		RBE 08.7102 G 3/8
		•		•	•	•	•	•	•		RBE 08.7103 G 1/2
		•		•	•	•	•	•	•		RBE 08.7112 Rc 3/8
		•		•	•	•	•	•	•		RBE 08.7201 NPT 1/4
		•		•	•	•	•	•	•		RBE 08.7202 NPT 3/8
		•		•	•	•	•	•	•		RBE 08.7203 NPT 1/2
				•	•	•	•	•	•		RBE 08.7319 UN 3/4 - 16 *

* as per SAE J 1926

Male thread

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPL	Part-numbers	End connection
G 1/4	RBE 08.6151 	•	•	•				•	•		
G 3/8	RBE 08.6152	•	•	•				•	•		
G 1/2	RBE 08.6153	•	•	•				•	•		
NPT 1/4	RBE 08.6251	•	•	•				•	•		
NPT 3/8	RBE 08.6252	•	•	•				•	•		
NPT 1/2	RBE 08.6253	•	•	•				•	•		
		•		•	•	•	•	•	•		RBE 08.7151 G 1/4
		•		•	•	•	•	•	•		RBE 08.7152 G 3/8
		•		•	•	•	•	•	•		RBE 08.7153 G 1/2
		•		•	•	•	•	•	•		RBE 08.7251 NPT 1/4
		•		•	•	•	•	•	•		RBE 08.7252 NPT 3/8
		•		•	•	•	•	•	•		RBE 08.7253 NPT 1/2

For rubber hose

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPL	Part-numbers	End connection
Ø 6 mm	RBE 08.6806	•						•	•		
Ø 8 mm	RBE 08.6808	•						•	•		
Ø 10 mm	RBE 08.6810	•						•	•		
Ø 13 mm	RBE 08.6813	•						•	•		
Ø 16 mm	RBE 08.6816	•						•	•		
		•		•				•	•		RBE 08.7808 Ø 8 mm
		•		•				•	•		RBE 08.7810 Ø 10 mm
		•		•				•	•		RBE 08.7813 Ø 13 mm
		•		•				•	•		RBE 08.7816 Ø 16 mm

For plastic pipe

End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPL	Part-numbers	End connection
Ø 8/10 mm	RBE 08.6908	•						•	•		
Ø 10/12 mm	RBE 08.6910	•						•	•		
		•		•				•	•		RBE 08.7908 Ø 8/10 mm
		•		•				•	•		RBE 08.7910 Ø 10/12 mm

Full flow

Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)

End connection	Part-numbers							Part-numbers	End connection
For copper pipe									
Ø 8/10 mm	RBE 08.6708	•						RBE 08.7708	Ø 8/10 mm
Ø 10/12 mm	RBE 08.6710	•						RBE 08.7710	Ø 10/12 mm
		•		•					
		•		•					
For calibrated stainless steel pipe* (double ring union)									
ext. Ø 10 mm	RBE 08.6770	•	•	•				RBE 08.7770	ext. Ø 10 mm
ext. Ø 12 mm	RBE 08.6772	•	•	•				RBE 08.7772	ext. Ø 12 mm
ext. Ø 3/8"	RBE 08.6755	•	•	•				RBE 08.7755	ext. Ø 3/8"
ext. Ø 1/2"	RBE 08.6756	•	•	•				RBE 08.7756	ext. Ø 1/2"
					•	•	•		
					•	•	•		
					•	•	•		
					•	•	•		
					•	•	•		
					•	•	•		
Clamp profile pursuant to ISO 2852 and DIN 32676									
Ø 25 mm	RBE 08.6025						•		
Ø 34 mm	RBE 08.6034						•		
Ø 50 mm	RBE 08.6050						•		
							•	RBE 08.7025	Ø 25 mm
							•	RBE 08.7034	Ø 34 mm
							•	RBE 08.7050	Ø 50 mm

- **Protective caps and manifolds:** see p. 26-27.

* Characteristics of stainless steel pipes: compliant with ISO 1127 class D4 and ASTM A 269 class 1 (installation instructions RV1300100)

RBE 11 Sockets

Standard

Panel mounted

	STANDARD	IA	IA / HPL	IA / HPG	IC	IC / HPI
--	----------	----	----------	----------	----	----------

End connection Part-numbers

Part-numbers

Female thread

G 3/8	RBE 11.1102	•	•	•	•	•	RBE 11.2102
G 1/2	RBE 11.1103	•	•	•	•	•	RBE 11.2103
G 3/4	RBE 11.1104	•	•	•	•	•	RBE 11.2104
Rc 1/2	RBE 11.1113	•	•	•	•	•	RBE 11.2113
NPT 3/8	RBE 11.1202	•	•	•	•	•	RBE 11.2202
NPT 1/2	RBE 11.1203	•	•	•	•	•	RBE 11.2203
NPT 3/4	RBE 11.1204	•	•	•	•	•	RBE 11.2204
UN 7/8 - 14 *	RBE 11.1322	•	•	•	•	•	RBE 11.2322

* as per SAE J 1926

Male thread

G 3/8	RBE 11.1152	•	•	•	•	•	RBE 11.2152
G 1/2	RBE 11.1153	•	•	•	•	•	RBE 11.2153
G 3/4	RBE 11.1154	•	•	•	•	•	RBE 11.2154
NPT 3/8	RBE 11.1252	•	•	•	•	•	RBE 11.2252
NPT 1/2	RBE 11.1253	•	•	•	•	•	RBE 11.2253
NPT 3/4	RBE 11.1254	•	•	•	•	•	RBE 11.2254

For rubber hose

Ø 8 mm	RBE 11.1808	•					RBE 11.2808
Ø 10 mm	RBE 11.1810	•			•		RBE 11.2810
Ø 13 mm	RBE 11.1813	•	•		•		RBE 11.2813
Ø 16 mm	RBE 11.1816	•	•		•		RBE 11.2816
Ø 19 mm	RBE 11.1819	•	•		•		RBE 11.2819

Clamp profile pursuant to ISO 2852 and DIN 32676

Ø 25 mm	RBE 11.1025	•				
Ø 50 mm	RBE 11.1050	•				

Full flow

Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)









End connection	Part-numbers	STANDARD	HPL	HPG	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers	End connection
Female thread											
G 1/4	RBE 11.6101	•	•					•			
G 3/8	RBE 11.6102	•	•	•				•	•		
G 1/2	RBE 11.6103	•	•	•				•	•		
G 3/4	RBE 11.6104	•	•	•				•	•		
NPT 3/8	RBE 11.6202	•	•	•				•	•		
NPT 1/2	RBE 11.6203	•	•	•				•	•		
NPT 3/4	RBE 11.6204	•	•	•				•	•		
		•		•	•	•	•	•	•	RBE 11.7102	G 3/8
		•		•	•	•	•	•	•	RBE 11.7103	G 1/2
		•		•	•	•	•	•	•	RBE 11.7104	G 3/4
		•		•	•	•	•	•	•	RBE 11.7113	Rc 1/2
		•		•	•	•	•	•	•	RBE 11.7202	NPT 3/8
		•		•	•	•	•	•	•	RBE 11.7203	NPT 1/2
		•		•	•	•	•	•	•	RBE 11.7204	NPT 3/4
		•		•	•	•	•	•	•	RBE 11.7322	UN 7/8 - 14 *
* as per SAE J 1926											
Male thread											
G 3/8	RBE 11.6152	•	•	•				•	•		
G 1/2	RBE 11.6153	•	•	•				•	•		
G 3/4	RBE 11.6154	•	•	•				•	•		
NPT 3/8	RBE 11.6252	•	•	•							
NPT 1/2	RBE 11.6253	•	•	•							
NPT 3/4	RBE 11.6254	•	•	•							
		•		•	•	•	•	•	•	RBE 11.7152	G 3/8
		•		•	•	•	•	•	•	RBE 11.7153	G 1/2
		•		•	•	•	•	•	•	RBE 11.7154	G 3/4
		•		•	•	•	•	•	•	RBE 11.7252	NPT 3/8
		•		•	•	•	•	•	•	RBE 11.7253	NPT 1/2
		•		•	•	•	•	•	•	RBE 11.7254	NPT 3/4
For rubber hose											
Ø 6 mm	RBE 11.6806	•						•			
Ø 8 mm	RBE 11.6808	•						•			
Ø 10 mm	RBE 11.6810	•						•			
Ø 13 mm	RBE 11.6813	•						•			
Ø 16 mm	RBE 11.6816	•						•			
Ø 19 mm	RBE 11.6819	•						•			
		•		•				•		RBE 11.7813	Ø 13 mm
		•		•				•		RBE 11.7816	Ø 16 mm
		•		•				•		RBE 11.7819	Ø 19 mm
Clamp profile pursuant to ISO 2852 and DIN 32676											
Ø 25 mm	RBE 11.6025							•			
Ø 50 mm	RBE 11.6050							•			
								•		RBE 11.7025	Ø 25 mm
								•		RBE 11.7050	Ø 50 mm

• Protective caps and manifolds: see p. 26-27.

RBE 19 Sockets

Standard

Panel mounted

End connection	Part-numbers	STANDARD	IA	IA / HPL	IA / HPG	IC	IC / HPI	Part-numbers
Female thread								
G 3/4	RBE 19.1104 	•	•	•	•	•	•	 RBE 19.2104
G 1	RBE 19.1105 	•	•	•	•	•	•	 RBE 19.2105
Rc 3/4	RBE 19.1114	•	•	•	•	•	•	RBE 19.2114
NPT 3/4	RBE 19.1204	•	•	•	•	•	•	RBE 19.2204
NPT 1	RBE 19.1205	•	•	•	•	•	•	RBE 19.2205
UN 1 5/16 - 12 *	RBE 19.1333	•	•	•	•	•	•	RBE 19.2333
* as per SAE J 1926								
Male thread								
G 3/4	RBE 19.1154 	•	•	•	•	•	•	 RBE 19.2154
G 1	RBE 19.1155 	•	•	•	•	•	•	 RBE 19.2155
NPT 3/4	RBE 19.1254	•	•	•	•	•	•	RBE 19.2254
NPT 1	RBE 19.1255	•	•	•	•	•	•	RBE 19.2255
For rubber hose								
Ø 19 mm	RBE 19.1819	•	•			•		RBE 19.2819
Ø 25 mm	RBE 19.1825	•	•			•		RBE 19.2825

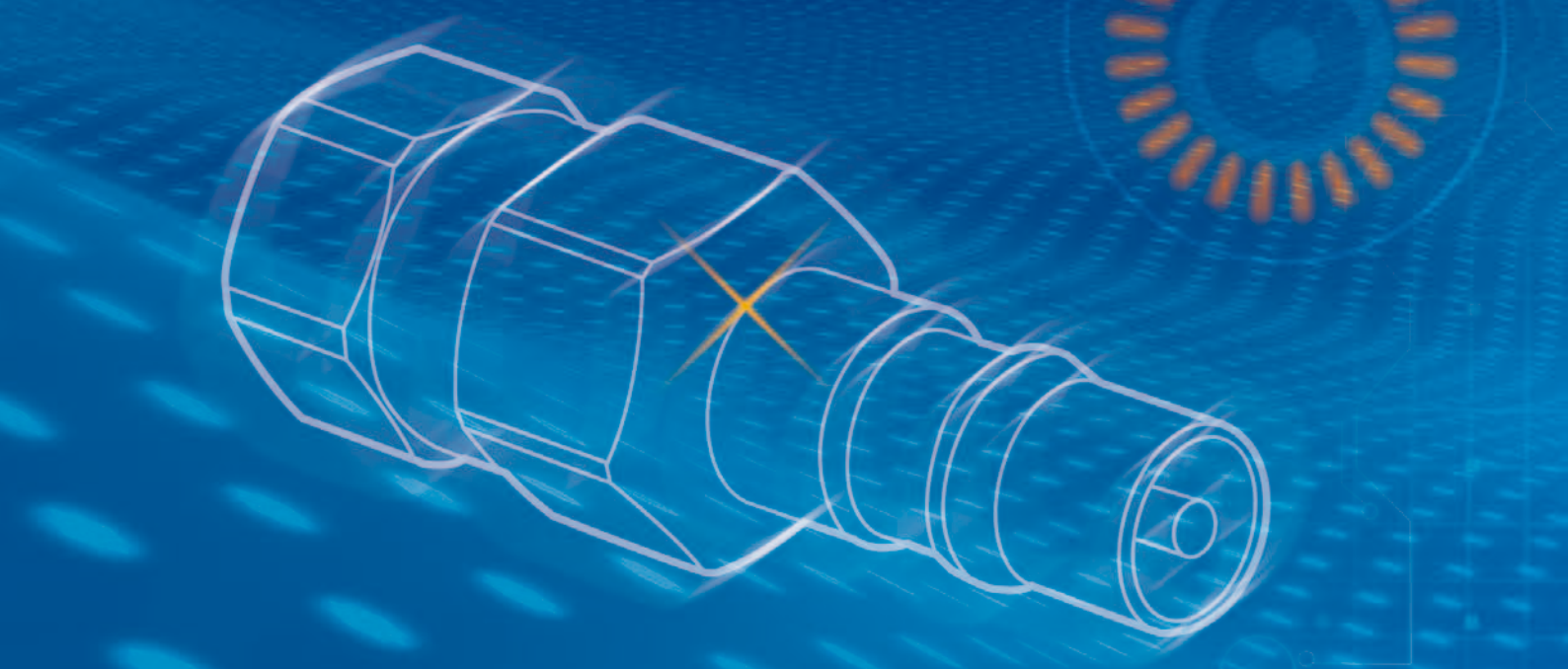
Full flow

Auto shut-off

supplied with chloroprene (CR) protective cap
(see p. 27)

End connection	Part-numbers									Part-numbers	End connection
Female thread											
G 3/4	RBE 19.6104	•	•	•					•	•	
G 1	RBE 19.6105	•	•	•					•	•	
NPT 3/4	RBE 19.6204	•	•	•					•	•	
NPT 1	RBE 19.6205	•	•	•					•	•	
		•			•	•	•	•	•	•	
		•			•	•	•	•	•	•	
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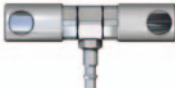
• Protective caps and manifolds: see following pages.



Manifolds

Available in standard, IA and IC versions.


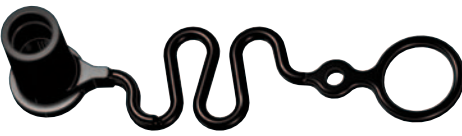




Not available in double shut-off, W and safety keys versions.

	End connection	Part-numbers				
		RBE 03	RBE 06	RBE 08	RBE 11	RBE 19
Fixed two-way Y						
	G 1/4	RBE 03.8101	RBE 06.8101	RBE 08.8101		
	G 3/8		RBE 06.8102	RBE 08.8102	RBE 11.8102	
	G 1/2		RBE 06.8103	RBE 08.8103	RBE 11.8103	
	G 3/4				RBE 11.8104	RBE 19.8104
	G 1					RBE 19.8105
Fixed two-way Y for rubber hose						
	Ø 13 mm		RBE 06.8813	RBE 08.8813	RBE 11.8813	
	Ø 16 mm			RBE 08.8816	RBE 11.8816	
	Ø 19 mm				RBE 11.8819	RBE 19.8819
	Ø 25 mm					RBE 19.8825
Adjustable two-way Y						
		RBE 03.8600	RBE 06.8600	RBE 08.8600	RBE 11.8600	RBE 19.8600
Adjustable two-way straight						
		RBE 03.8660	RBE 06.8660			



Protective caps

To be ordered separately (excluding chloroprene cap).

Socket caps	Plug caps
<p>Standard version: RBE xx.8500 or stainless steel (IC): RBE xx.8500/IC</p> 	<p>Standard chloroprene (CR) version: RBE xx.8550/BC</p>  <p>Supplied as standard with all auto shut-off plugs.</p>
<p>Socket with PP option (see page 9) Standard version: RBE xx.8500/PP or stainless steel (IC): RBE xx.8500/IC/PP</p> 	<p>Stainless steel version (IC): RBE xx.8550/IC</p> 
<p>Socket with safety key option (see page 8) Standard version: RBE xx.8500/U or stainless steel (IC): RBE xx.8500/IC/U</p> 	
<p>Socket with safety key and PP option (see pages 8-9) Standard version: RBE xx.8500/U/PP or stainless steel (IC): RBE xx.8500/IC/U/PP</p> 	

Replace **xx** with the flow diameter of the corresponding socket or plug.
E.g.: RBE 03.8550 = cap for a plug with a 3 mm flow diameter.

For contact details: www.staubli.com/connectors/contacts



Global presence of the Stäubli Group

- Stäubli units
- Agents

International sales coordination

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