HOW TO CHOOSE YOUR COUPLER

What type of fluid do you wish to convey?

Parker offers ranges dedicated to **compressed air and neutral gases.** Most of our couplers have a minimum vacuum performance of 96%.

Parker presents ranges specifically designed for **water**, including:

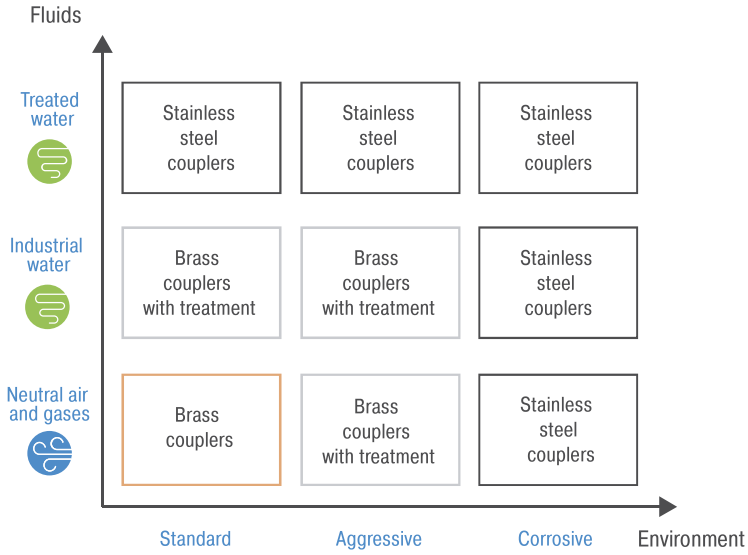
- *Industrial water (tap water).*
- *Treated water (deionised, pure and demineralised)*

All our solutions are compatible with glycol mixtures.

Parker also has ranges compatible with **technical gases**:

- *Oxygen, breathing air, carbon dioxide, analytical gases, anaesthetic gases and inert gases.*

In what kind of environment do you use your coupler?



Which function do you require?

FLOW CONTROL?

KA Single Shut-off
- The plug is full bore
- Flow is stopped by the valve inside the coupler during disconnection.

KB Double Shut-off
- Valve in the end piece and coupler
- Pressure is maintained on both sides.

KF Straight-Through
- Better flow rate/no turbulence
- Ideal for use with liquids

KL Dry-Break
- The coupler and the plug have a flat valve.
- Ideal to prevent drops of the medium escaping

ENSURE SAFETY?

with an anti-disconnection system

KS Single Shut-off
- Same as KA with locking mechanism to prevent accidental disconnection

KD Double Shut-off
- Same as KB with locking mechanism to prevent accidental disconnection

with self-venting system anti whilplash effect

KE Self-venting Sleeve Design

KP Self-venting Push Button

Self-venting system to prevent accidental disconnection or whilplash effect

HOW TO CHOOSE YOUR COUPLER

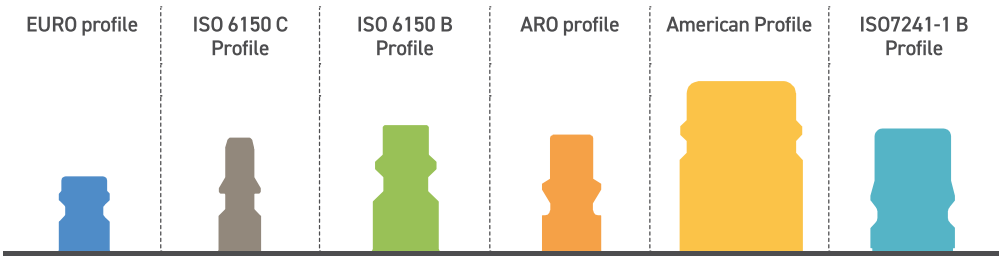
Do you have any compliance requirements?

- All our products comply with RoHS and REACh standards.
- All our processes comply with ISO 9001 and ISO 14001 standards.

For a complete list of our certificates, please click here.

What profile do you need?

The standard profiles of the Rectus couplers range in the catalogue are as follows:



Parker also offers other profiles for its Rectus couplers, available at parker.com.

DN	Profile	Series	QR code
2	Rectus	Mini series	
2.5	German	50 series	
3	Rectus	Mini series	
5	British	17 series	
5	Rectus	Standard series	
5.5	British	19 series	

DN	Profile	Series	QR code
6	German	52 series	
7.5	Japanese	13 series	
8	Scandinavian	33 series	
10	Rectus	41 series	
10	Scandinavian	34 series	
12	German	57 series	

Part number identifcation

Couplers
KA = Single Shut-off
KB = Double Shut-off
KF = Straight Through
KL = Flat face (double Shut-off)
KE = Self-venting system
KP = Push button
KS = Safety (Single Shutt-off)
KD = Safety (Double Shut-off)

Plugs
SF = Single Shut-off
SB = Double Shut-off
SL = Flat face (double Shut-off)
SS = Safety (Single Shutt-off)
SD = Safety (Double Shut-off)

Metric threads
05 = M 5
10 = M 10 x 1
12 = M 12 x 1.5
14 = M 14 x 1.5
16 = M 16 x 1.5
18 = M 18 x 1.5

Thread sizes
10 = 1/8"
13 = 1/4"
17 = 3/8"
21 = 1/2"
26 = 3/4"
33 = 1"

Hose connection
03 = for 3 mm LW (1/8")
04 = for 4 mm LW (5/32")
06 = for 5 mm LW (1/4")
08 = for 8 mm LW (5/16")
09 = for 9 mm LW (3/8")
13 = for 13 mm LW (1/2")
19 = for 19 mm LW (3/4")
25 = for 25 mm LW (1")

Plastic hose
04 = for 3 x 4 mm
05 = for 3 x 5 mm
36 = for 3 x 6.3 mm
06 = for 4 x 6 mm
46 = for 4 x 6.3 mm
08 = for 6 x 8 mm
10 = for 8 x 10 mm
12 = for 9 x 12 mm
16 = for 13 x 16 mm

Seal
X = Without seal
P = Perbunan (NBR)
V = FKM/FPM
E = Ethylene Propylene Diene Monomer (EPDM)
S = Silicone
K = FFKM

Addition 2 Colour code
B = Blue
G = Green
R = Red
Y = Yellow

Surface
X = without surface treatment
N = nickel-plated
Z = zinc-coated
P = PEEK compression springs (only for Rectuchem+)

21 KA AW 13 M P X X X

Serial numbers

Material
M = Brass CuZn39Pb3 2.0401 (except sleeve)
B = Brass CuZn39Pb3 2.0401 (completely)
S = 9SMnPb28K steel 1.0718
R = AISI 303 stainless steel
E = AISI 316 L stainless steel
D = POM (Delrin)
F = PVDF

Hose connection
TF = Hose barb
TH = Hose barb 45°
TS = Panel Mount with Hose barb
TD = for DIN EN 560 tube
TE = Front Panel Installation, Hose Barb Panel Mount

Plastic Tube connection
KO = with Hose Nut, without spring guard
KS = Panel mounted, without spring guard
KE = Panel mounted, with plastic hose connection
KK = with spring guard

Male threads
AW = BSP parallel
AM = Metric thread DIN 13
AK = BSP tapered
AN = NPT thread
RP = with LF Push-In connection
AF = UNF
AO = Hexagon fitted with a seal
AR = 90° tapered BSP

Female threads
IW = Parallel Withworth ISO 228
IM = Metric DIN 13
IN = NPSF B1.20.3
IT = Conical NPT B1.20.1

Addition 1
S = Marking for special version
0 = RECTUKey round
3 = RECTUKey triangle
6 = RECTUKey hexagon
8 = RECTUKey octagon

