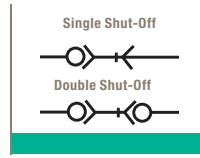


Mini Series



0171 Coupler, Male BSPT and Parallel Metric Thread

	Technical polymer, nickel-plated brass, NBR 	DN	C		Colour	F	L	kg							
									2	M7x1	0171 02 55 01		10	21	0.007
										R1/8	0171 02 10 01		10	21	0.010
										R1/8	0171 02 10 02		10	21	0.010
										R1/8	0171 02 10 03		10	21	0.010
										R1/8	0171 02 10 04		10	21	0.010
										R1/8	0171 02 10 05		10	21	0.010

Single shut-off
Mini Series (DN 2): single shut-off = 165 Nl/min

0171 Coupler, Straight-Through, Male BSPT Thread

	Technical polymer, nickel-plated brass, NBR 	DN	C		Colour	F	G	L	kg								
										3	R1/8	0171 03 10 01		13	17	24.5	0.020
											R1/8	0171 03 10 02		13	17	24.5	0.020
											R1/8	0171 03 10 03		13	17	24.5	0.020
											R1/8	0171 03 10 04		13	17	24.5	0.020
											R1/8	0171 03 10 05		13	17	24.5	0.020

Straight-through

0183 Probe, Valved, Male BSPT Thread

	Nickel-plated brass, NBR 	DN	C		F	L	kg

Probe with shut-off

0184 Probe, Straight-Through, Male BSPT Thread

	Nickel-plated brass 	DN	C		F	L	kg

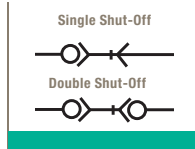
Probe without shut-off

0181 Probe without Shut-off, Male BSPT Thread

	Nickel-plated brass 	DN	ØD	ØD1		L	L1	kg

Probe without shut-off

Mini Series



0181 Probe, Straight-Through with Barb Connection for Polyamide (PA) Tubing

	Nickel-plated brass		$\overline{\text{DN}}$	ØD	ØD1		L	kg
			3	4	4.7	0181 04 06	19	0.005
Probe without shut-off								

0180 Probe, Straight-Through with Barb Connection for Flexible Tubing

	Nickel-plated brass		$\overline{\text{DN}}$	ØD	ØD1		L	kg
			3	4	6	0180 04 00	19	0.007
Probe without shut-off								
3								
5								
6.5								
0180 05 00								
19								
0.007								

3150 Probe, Straight-Through with LF 3000® Push-In Connection

	Nickel-plated brass, NBR		$\overline{\text{DN}}$	ØD		G	L	L1	kg
			3	4	3150 00 61	8.5	39	18	0.008
Probe without shut-off									

Metal Quick-Acting Couplers

In order to fulfill the requirements of the **widest range of industrial applications**, Parker Legris offers a range of metal couplers compatible with a large selection of fluids.

Simple to install, with or without shut-off valves, these couplers offer a **high flow rate capability**.

Product Advantages

- Easy-to-Use**
 - Coupler with sliding sleeve: automatic connection and disconnection
 - Wide variety of male probes
 - Extremely compact
 - Single or double shut-off models for greater safety
 - Special range designed for pneumatic applications: 13 Series to 27
 - Special range designed for the transmission of water and fluids: Midi and Maxi series
- Robust & Reliable**
 - 100% leak-tested in production
 - Excellent shock and impact resistance
 - Nickel-plated brass for corrosion resistance
 - Stainless steel version for restrictive environments
- Optimum Performance**
 - Very wide range of flow rates
 - "UltraFlo" technology: 18, 22, 23, 25 and 27 series
 - Low pressure drop
 - Long service life
 - Maximum energy efficiency



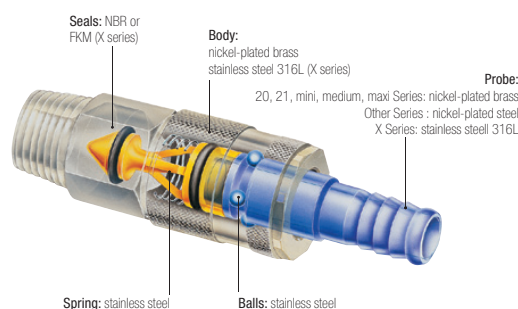
- Applications**
- Workshops
 - Flushing
 - Spraying
 - Packaging
 - Factory Automation
 - Filling Systems
 - Cleaning

Technical Characteristics

Compatible Fluids	Compressed air, water (see compatibility chart below)
Working Pressure	0 to 20 bar 0 to 35 bar (stainless steel series)
Working Temperature	-20°C to +100°C -15°C to +200°C (stainless steel series)

Guaranteed for use with a vacuum of 655 mm Hg (86% vacuum).

Component Materials

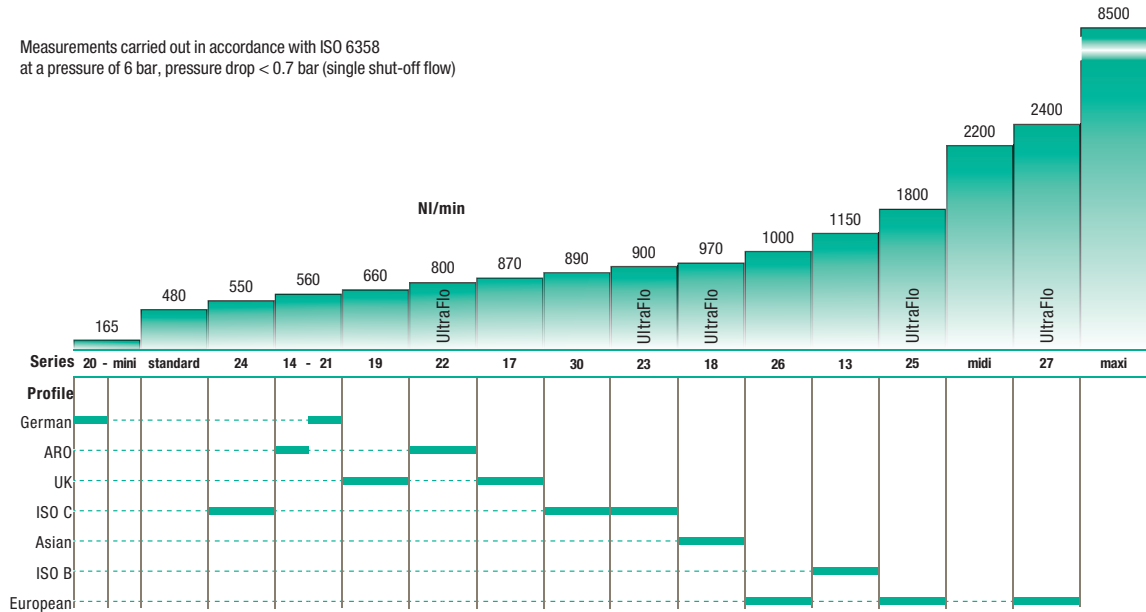


Silicone-free

Metal Quick-Acting Couplers

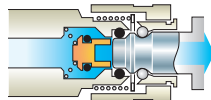
Metal Quick-Acting Coupler Technology and Flow Rates

Measurements carried out in accordance with ISO 6358
at a pressure of 6 bar, pressure drop < 0.7 bar (single shut-off flow)



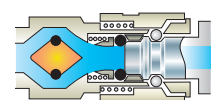
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 NI/min



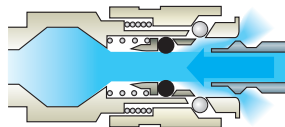
UltraFlo quick-acting coupler

"Optimal flow" technology
Flow: 1700 NI/min

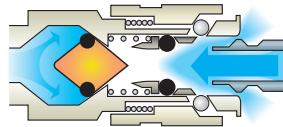
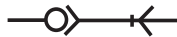


3 Shut-Off Functions

Straight-Through

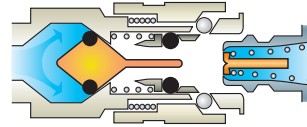


Single Shut-Off



Single shut-off coupler
+ probe without shut-off
When disconnected, the fluid path is closed
upstream (body side).

Double Shut-Off

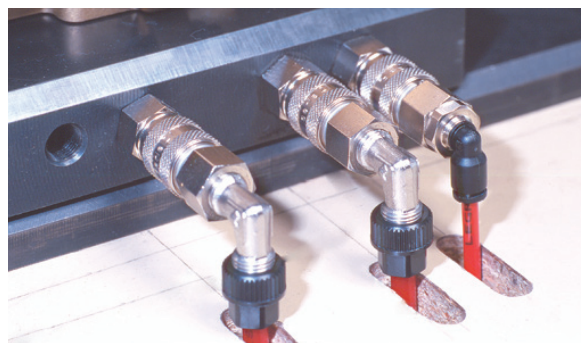


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed
upstream (body side) and downstream (probe side).

Operation



Installation Options



Chemical Compatibility Chart for Metal Couplers

Below are the fluids compatible with Parker Legris metal quick-acting couplers.
This list is not exhaustive: if your fluid is not shown here, please contact us.

A

Acetamide
Ammonium chloride
Ammonium in solution
Argon
ASTM no. 1 oil
ASTM no. 2 oil
ASTM no. 3 oil

B

C

Butyl alcohol
Calcium carbonate
Castor oil
Coconut oil
Cod liver oil
Cold ammonium
Corn oil
Cotton seed oil
Cyclohexane

D

Detergents
Diesel oil
Diethylene glycol

E

Engine oil
Ethane
Ethanol
Ethyl alcohol
Ethyl silicate
Ethylene glycol

F

G

Fuel oil
Gear oil
Glycerin
Glycerol triacetate
Glycol
Groundnut oil

H

Heating oil (petroleum-based)

Helium

Heptane N

Hexane N

Hexyl alcohol

Hydraulic liquids:

H group

H-L group

H-LP group

HSA group

HSB group

HSD c (T) group in accordance with

DIN 51524 and 51525

I

Isododecane

Isooctane

L

Lard

Linseed oil

Methanol

Mineral oil

Neatsfoot oil

N

N-Heptane

N-Hexane

Nitrogen

N-Pentane

O

Octadecane

Olive oil

P

Pentane N

Petroleum

Propyl alcohol

Propylene glycol

S

Seawater

Silicone grease

Soap solution

Sodium hydroxide

Sodium sulphate

Soya bean oil

Stearyl alcohol

T

Terebenthine

V

Vaseline

Vaseline oil

W

Water

Wood oil

Z

Zinc chloride

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Quick-Acting Coupler Part Numbers

