Mini Series

Single Shut-Off



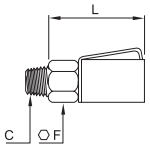
Double Shut-Off



0171 Coupler, Male BSPT and Parallel Metric Thread



Technical polymer, nickel-plated brass, NBR



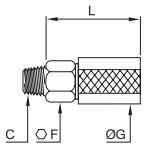
DN	C		Colour	F	L	kg
2	M7x1	0171 02 55 01		10	21	0.007
	R1/8	0171 02 10 01		10	21	0.010
	R1/8	0171 02 10 02		10	21	0.010
	R1/8	0171 02 10 03		10	21	0.010
	R1/8	0171 02 10 04		10	21	0.010
	R1/8	0171 02 10 05		10	21	0.010

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



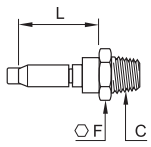
DN	C		Colour	F	G	L	kg
3	R1/8	0171 03 10 01		13	17	24.5	0.020
	R1/8	0171 03 10 02		13	17	24.5	0.020
	R1/8	0171 03 10 03		13	17	24.5	0.020
	R1/8	0171 03 10 04		13	17	24.5	0.020
	R1/8	0171 03 10 05		13	17	24.5	0.020

Straight-through

0183 Probe, Valved, Male BSPT Thread



Nickel-plated brass, NBR



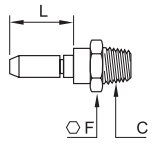
DN	C		F	L	kg
2	R1/8	0183 02 10	10	13	0.007

Probe with shut-off

0184 Probe, Straight-Through, Male BSPT Thread



Nickel-plated brass



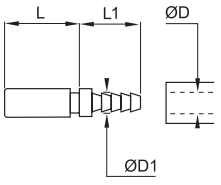
DN	C		F	L	kg
2	R1/8	0184 02 10	10	13	0.006

Probe without shut-off

0181 Probe without Shut-off, Male BSPT Thread



Nickel-plated brass



DN	ØD	ØD1		L	L1	kg
2	3	3.3	0181 03 04	11.5	13.5	0.010

Probe without shut-off

Mini Series

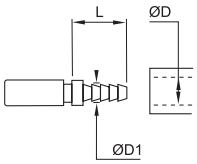
Single Shut-Off

Double Shut-Off

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



Nickel-plated brass



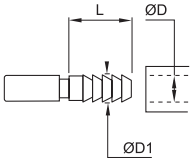
DN	ØD	ØD1		L	kg
3	4	4.7	0181 04 06	19	0.005

Probe without shut-off

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



Nickel-plated brass



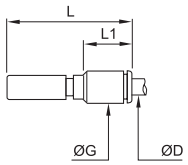
DN	ØD	ØD1		L	kg
3	4	6	0180 04 00	19	0.007
	5	6.5	0180 05 00	19	0.007

Probe without shut-off

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



Nickel-plated brass, NBR



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



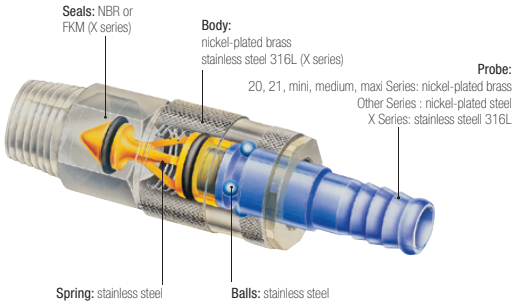
Applications
- Workshops
- Flushing
- Spraying
- Packaging
- Factory Automation
- Filling Systems
- Cleaning

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



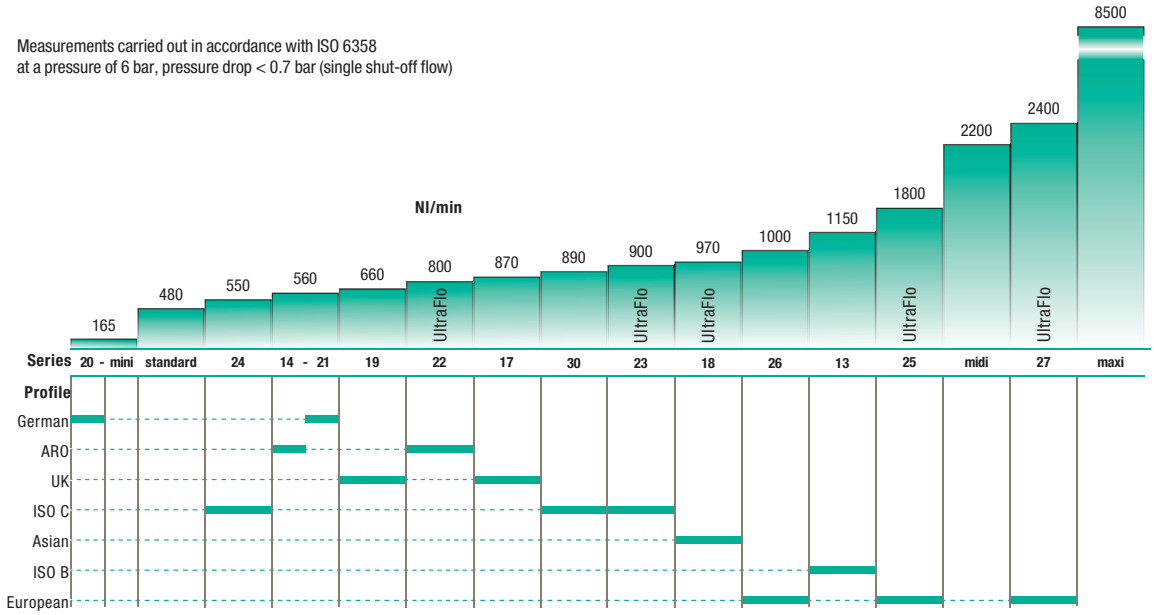
Silicone-free

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

Metal Quick-Acting Couplers

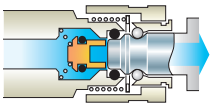
Metal Quick-Acting Coupler Technology and Flow Rates

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



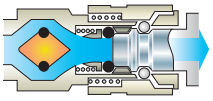
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 Nl/min



UltraFlo quick-acting coupler

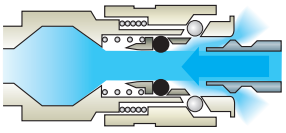
"Optimal flow" technology
Flow: 1700 Nl/min



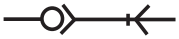
3 Shut-Off Functions

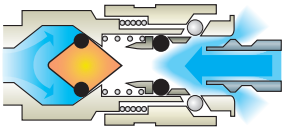
Straight-Through





Single Shut-Off

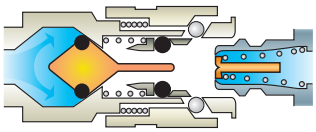




Single shut-off coupler
+ probe without shut-off
When disconnected, the fluid path is closed upstream (body side).

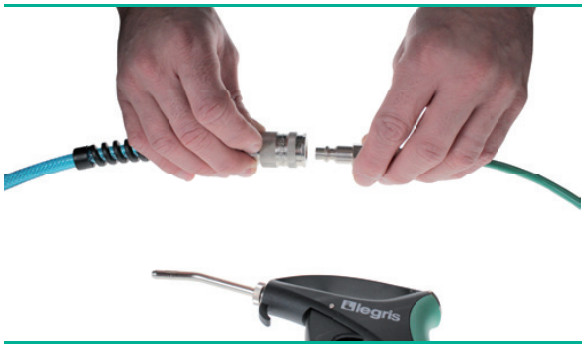
Double Shut-Off



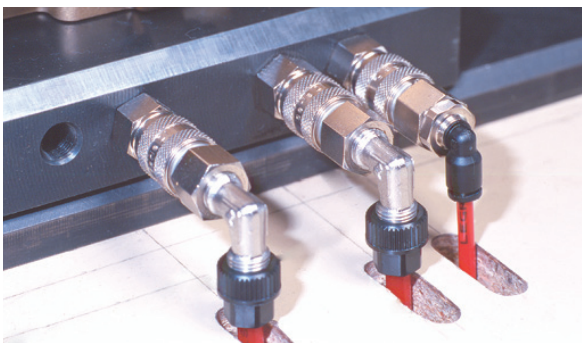


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed upstream (body side) and downstream (probe side).

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.

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

Butyl alcohol

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

Detergents
Diesel oil
Diethylene glycol

Engine oil
Ethane
Ethanol
Ethyl alcohol
Ethyl silicate
Ethylene glycol

Fuel oil

Gear oil
Glycerin
Glycerol triacetate
Glycol
Groundnut oil

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

Isododecane
Isooctane

Lard
Linseed oil
Methanol
Mineral oil
Neatsfoot oil

N-Heptane
N-Hexane
Nitrogen
N-Pentane

Octadecane
Olive oil

Pentane N
Petroleum
Propyl alcohol
Propylene glycol

Seawater
Silicone grease
Soap solution
Sodium hydroxide
Sodium sulphate
Soya bean oil
Stearyl alcohol

Terebenthine
Trisodium phosphate

Vaseline
Vaseline oil
Vegetable oil

Water
Wood oil
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

Standard Product

9401 U 06 13

Coupler

Shut-Off

Coupler
0 = straight-through
1 = single shut-off
2 = double shut-off
4 = with safety

Probe
0 = straight-through
2 = shut-off

Configuration

Coupler
01 = Male Connector BSPP Thread
05 = Male Connector BSPT Thread
...
Probe
85 = Hose Barb Connector
86 = Female Connector BSPP Thread
...

Coupler type

U = C 9000: ISO B
A = C 9000: ARO
E = C 9000: European
X = stainless steel coupler
␣ = "blank" for metal coupler

Series

C 9000 Coupler
U**06** = ISO B series, 5.5 mm bore, 1250 Nl/min
E**07** = European series, 7.2 mm bore, 2000 Nl/min
...
Metal Coupler
␣ **13** = 13 series, 7.5 mm bore, 1150 Nl/min
␣ **25** = 25 series, 7.4 mm bore, 1800 Nl/min
...

Connection

Thread
19 = M5
10 = 1/8"
13 = 1/4"
17 = 3/8"
21 = 1/2"

Tube I.D.
03 = 3 mm
04 = 4 mm
...
19 = 19 mm