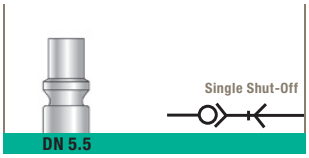
ARO Profile

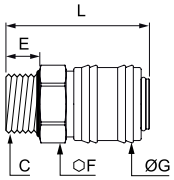
14 and 22 Series



9101 Coupler, Male BSPP Thread



Nickel-plated brass, NBR



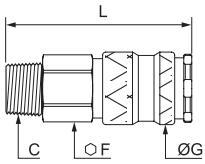
DN	C		E	F	G	L	kg
5.5	G1/4	9101 14 13	9	22	27	43	0.080
	G3/8	9101 14 17	9	22	27	43	0.081
	G1/2	9101 14 21	12	24	27	46	0.093

14 Series (DN 5.5): single shut-off = 560 Nl/min

9105 Coupler, Male BSPT Thread



Nickel-plated brass, NBR



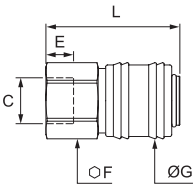
DN	C		F	G	L	kg
5.5	R1/4	9105 22 13	19	23	61	0.098
	R3/8	9105 22 17	12	19	60	0.096
	R1/2	9105 22 21	22	23	61	0.114

22 Series (DN 5.5): single shut-off = 800 Nl/min

9114 Coupler, Female BSPP Thread



Nickel-plated brass, NBR



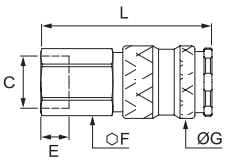
DN	C		E	F	G	L	kg
5.5	G1/4	9114 14 13	9	22	27	43	0.095
	G3/8	9114 14 17	9	22	27	43	0.091
	G1/2	9114 14 21	12	24	27	46	0.098

14 Series (DN 5.5): single shut-off = 560 Nl/min

9114 Coupler, Female BSPP Thread



Nickel-plated brass, NBR



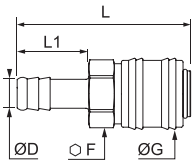
DN	C		E	F	G	L	kg
5.5	G1/4	9114 22 13	9	19	23	56	0.098
	G3/8	9114 22 17	9	19	23	55	0.091
	G1/2	9114 22 21	12	24	23	58	0.123

22 Series (DN 5.5): single shut-off = 800 Nl/min

9123 Coupler with Barb Connection



Nickel-plated brass, NBR

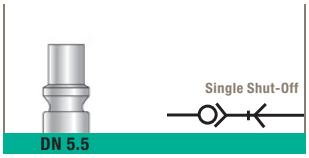


DN	ØD		F	G	L	L1	kg
5.5	6	9123 14 06	21	27	60	25	0.080
	8	9123 14 08	21	27	60	25	0.081
	9	9123 14 09	21	27	60	25	0.082
	10	9123 14 10	21	27	60	25	0.082
	13	9123 14 13	21	27	60	25	0.094

14 Series (DN 5.5): single shut-off = 560 Nl/min

ARO Profile

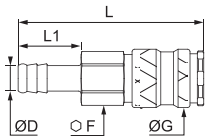
14 and 22 Series



9123 Coupler with Barb Connection



Nickel-plated brass, NBR



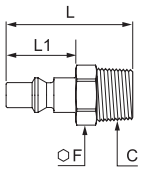
DN	ØD		F	G	L	L1	kg
5.5	6	9123 22 06	19	23	74	25	0.093
	8	9123 22 08	19	23	74	25	0.097
	10	9123 22 10	19	23	74	25	0.098

22 Series (DN 5.5): single shut-off = 800 Nl/min

9084 Probe, Straight-Through, Male BSPT Thread



Nickel-plated steel



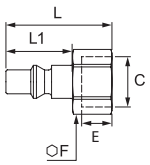
DN	C		F	L	L1	kg
5.5	R1/4	9084 22 13	14	40.5	22	0.020
	R3/8	9084 22 17	17	40.5	22	0.031
	R1/2	9084 22 21	22	46	22	0.048

Probe without shut-off
22 Series probe (DN 5.5) compatible with 14 Series coupler (DN 5.5)

9086 Probe, Straight-Through, Female BSPP Thread



Nickel-plated steel



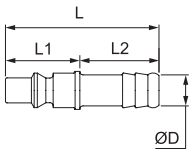
DN	C		E	F	L	L1	kg
5.5	G1/4	9086 22 13	9	17	35.5	22	0.024
	G3/8	9086 22 17	10	19	35.5	22	0.023
	G1/2	9086 22 21	12	24	38	22	0.039

Probe without shut-off
22 Series probe (DN 5.5) compatible with 14 Series coupler (DN 5.5)

9085 Probe, Straight-Through, with Barb Connection



Nickel-plated steel



DN	ØD		L	L1	L2	kg
5.5	6	9085 22 06	48.5	22	25	0.012
	8	9085 22 08	48.5	22	25	0.014
	9	9085 22 09	48.5	22	25	0.014
	10	9085 22 10	48.5	22	25	0.016
	13	9085 22 13	48.5	22	25	0.022

Probe without shut-off
22 Series probe (DN 5.5) compatible with 14 Series coupler (DN 5.5)

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



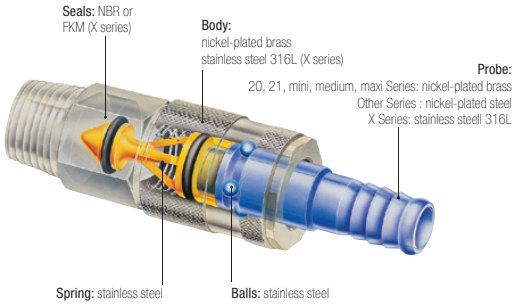
Applications
- Workshops
- Flushing
- Spraying
- Packaging
- Factory Automation
- Filling Systems
- Cleaning

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



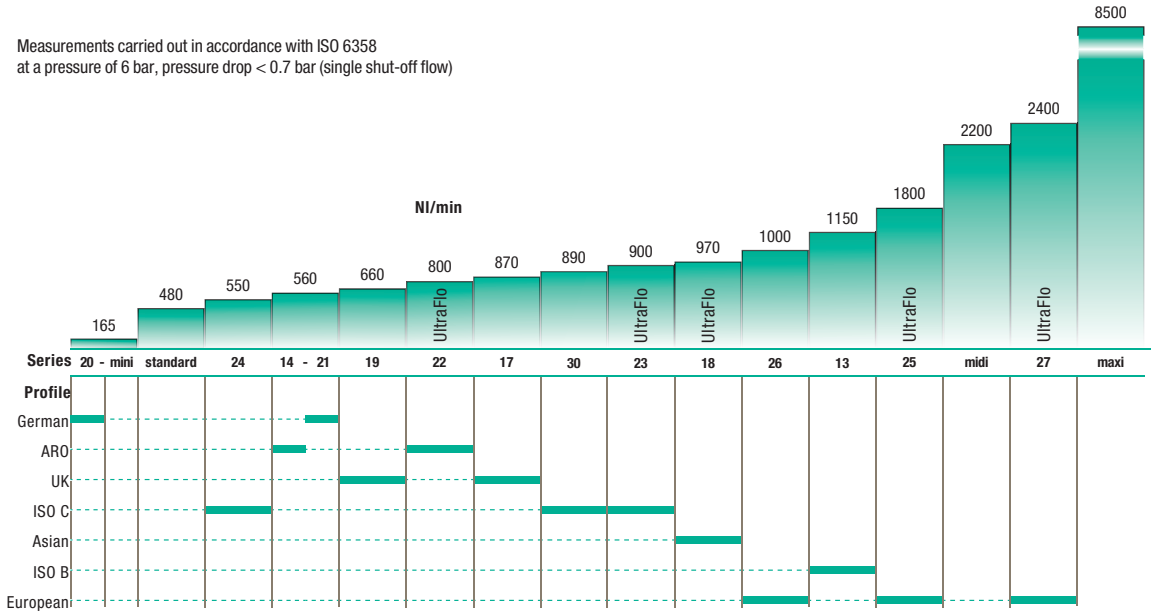
Silicone-free

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

Metal Quick-Acting Couplers

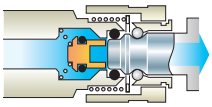
Metal Quick-Acting Coupler Technology and Flow Rates

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



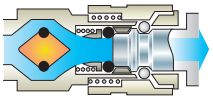
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 Nl/min



UltraFlo quick-acting coupler

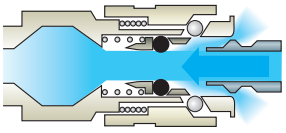
"Optimal flow" technology
Flow: 1700 Nl/min



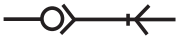
3 Shut-Off Functions

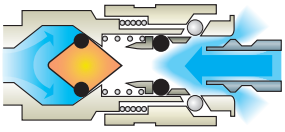
Straight-Through





Single Shut-Off

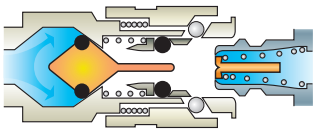




Single shut-off coupler
+ probe without shut-off
When disconnected, the fluid path is closed upstream (body side).

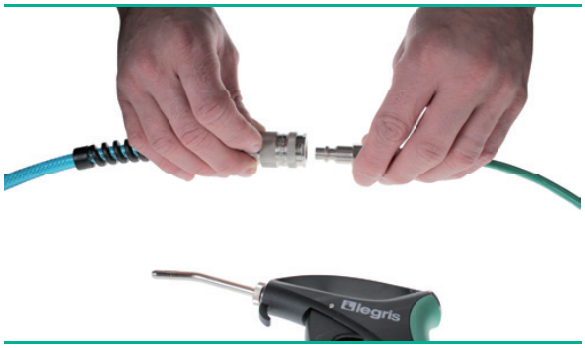
Double Shut-Off



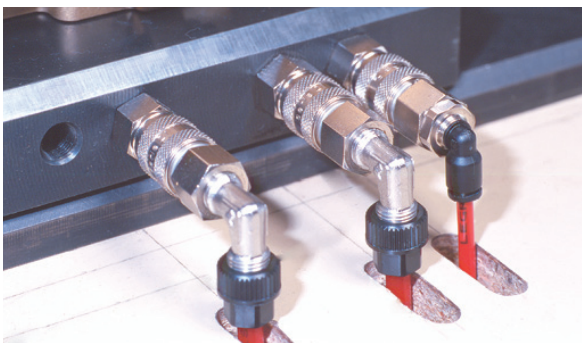


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed upstream (body side) and downstream (probe side).

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

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