Midi Series

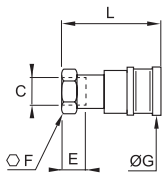
Without Shut-Off

Single Shut-Off

0172 Coupler, Female BSPP Thread



Nickel-plated brass, NBR



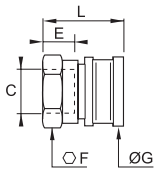
DN	C		E	F	G	L	kg
12	G3/8	0172 12 17	16	27	29	56	0.155
	G1/2	0172 12 21	16	27	29	56	0.142

Midi series: single shut-off = 2200 Nl/min

2272 Coupler, Straight-Through, Female BSPP Thread



Nickel-plated brass, NBR

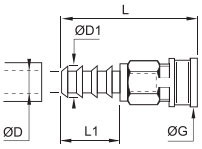


DN	C		E	F	G	L	kg
12	G1/2	2272 12 21	10	24	29	33	0.072
	G3/4	2272 12 27	10	30	29	34.5	0.074
	G1	2272 12 34	10	36	29	34.5	0.087

2511 Coupler with Barb Connection for Hose



Nickel-plated brass, NBR



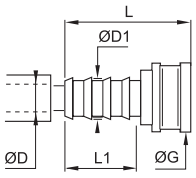
DN	ØD	ØD1		G	L	L1	kg
12	12	13.5	2511 12 12	29	75	32	0.146
	15	16.5	2511 12 15	29	75	32	0.147
	19	20.5	2511 12 19	29	81	38	0.159

Midi series: single shut-off = 2200 Nl/min

2297 Coupler, Straight-Through, with Barb Connection for Hose



Nickel-plated brass, NBR

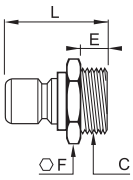


DN	ØD	ØD1		G	L	L1	kg
12	12	13.5	2297 12 12	29	51	27	0.073
	15	16.5	2297 12 15	29	51	27	0.076
	19	20.5	2297 12 19	29	57	33	0.090

2294 Probe, Straight-Through, Male BSPP Thread



Nickel-plated brass



DN	C		E	F	L	kg
12	G3/8	2294 12 17	6	22	31.5	0.031
	G1/2	2294 12 21	9.5	22	37	0.044
	G3/4	2294 12 27	13.5	27	41	0.068
	G1	2294 12 34	10.5	34	36	0.072

Probe without shut-off

Midi Series

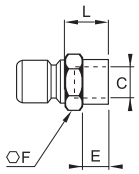
Without Shut-Off

Single Shut-Off

0196 Probe, Straight-Through, Female BSPP Thread



Nickel-plated brass



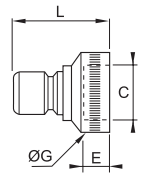
DN	C		E	F	L	kg
12	G1/4	0196 12 13	12	17	16	0.027
	G3/8	0196 12 17	12	21	15	0.034
	G1/2	0196 12 21	14	26	17	0.050

Probe without shut-off

2296 Probe, Straight-Through, Female BSPP Thread



Nickel-plated brass



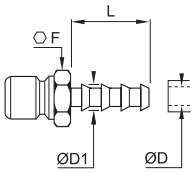
DN	C		E	G	L	kg
12	G1/2	2296 12 21	11	24	31.5	0.031
	G3/4	2296 12 27	11	30	38	0.058
	G1	2296 12 34	11	36	36.5	0.058

Probe without shut-off

0195 Probe, Straight-Through, with Barb Connection for Flexible Tubing



Nickel-plated brass



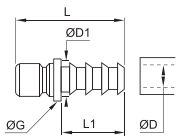
DN	ØD	ØD1		F	L	kg
12	7	9	0195 07 00	17	29.5	0.026
	10	12.2	0195 10 00	17	29.5	0.028
	13	15.2	0195 13 00	17	29.5	0.030
	16	18.5	0195 16 00	21	36.5	0.048

Probe without shut-off

2295 Probe, Straight-Through, with Barb Connection for Flexible Hose



Nickel-plated brass



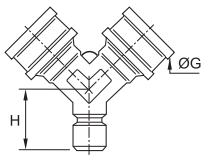
DN	ØD	ØD1		G	L	L1	kg
12	12	13.5	2295 12 12	17	48	27	0.026
	15	16.5	2295 12 15	18	48	27	0.034
	19	20.5	2295 12 19	24	57	33	0.053

Probe without shut-off

2293 Y Coupler, Straight-Through



Nickel-plated brass, NBR



DN		G	H	kg
12	2293 12 00	29	27	0.139

Probe without shut-off
Midi Series: straight-through = 2200 Nl/min

Midi Series

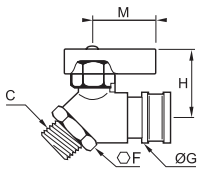
Without Shut-Off

Single Shut-Off

2270 Coupler with Tap, Male BSPP Thread



Nickel-plated brass, NBR



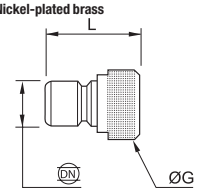
DN	C		F	G	H	M	kg
12	G1/2	2270 21 00	28	29	40.5	35	0.272

Flow = 2200 Nl/min

2203 Plug



Nickel-plated brass

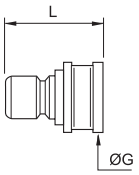


DN		G	L	kg
12	2203 12 00	20	34	0.042

2292 Universal Coupler Adaptor



Nickel-plated brass, NBR



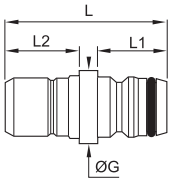
DN		G	L	kg
12	2292 12 00	29	40.5	0.083

Without shut-off
This adaptor provides interchangeability with numerous components (especially watering accessories).

2398 Universal Probe Adaptor



Nickel-plated brass, NBR



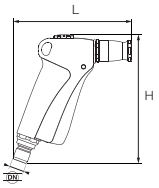
DN		G	L	L1	L2	kg
12	2398 12 01	20	43	19	18.5	0.035

This adaptor provides interchangeability with numerous components (especially watering accessories).

2299 Water Pistol



Zamak, Nickel-plated brass, NBR



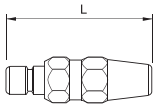
DN		H	L	kg
12	2299 12 01	140	126	0.471

This pistol allows independent control of:
- the flow rate (trigger)
- type of jet (adjustable to a fine mist) by the adjustable Probe

2299 Adjustable Nozzle



Nickel-plated brass, NBR



DN		L	kg
12	2299 12 20	77.4	0.137

This nozzle allows adjustment of the spray.

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



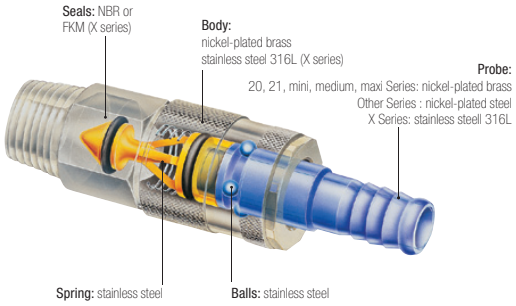
Applications
- Workshops
- Flushing
- Spraying
- Packaging
- Factory Automation
- Filling Systems
- Cleaning

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



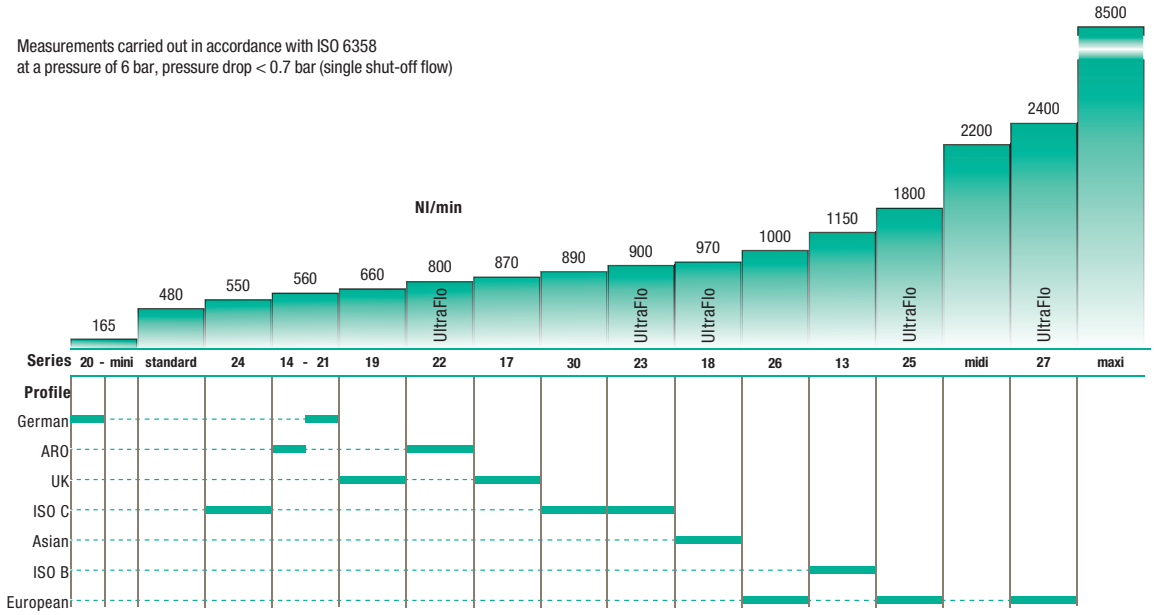
Silicone-free

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

Metal Quick-Acting Couplers

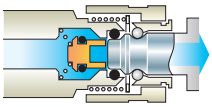
Metal Quick-Acting Coupler Technology and Flow Rates

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



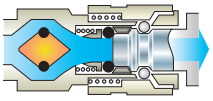
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 Nl/min



UltraFlo quick-acting coupler

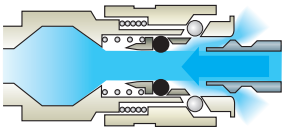
"Optimal flow" technology
Flow: 1700 Nl/min



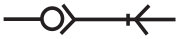
3 Shut-Off Functions

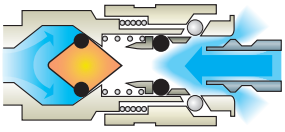
Straight-Through





Single Shut-Off

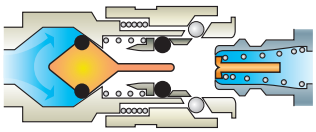




Single shut-off coupler
+ probe without shut-off
When disconnected, the fluid path is closed upstream (body side).

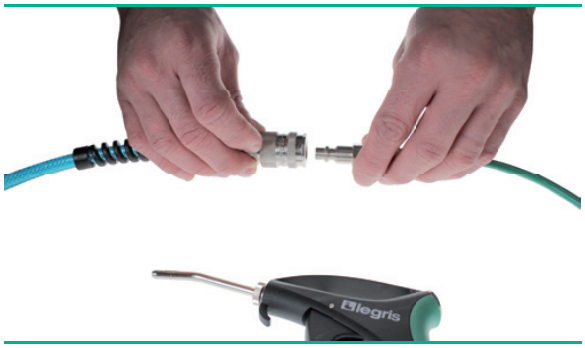
Double Shut-Off



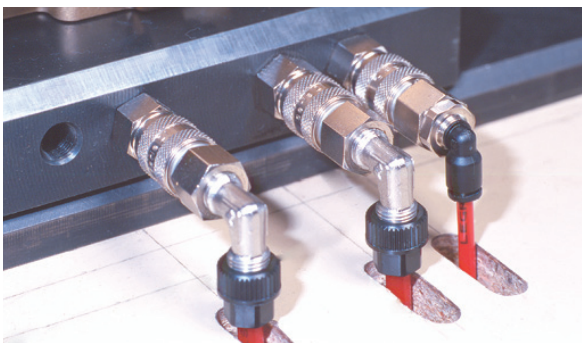


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed upstream (body side) and downstream (probe side).

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