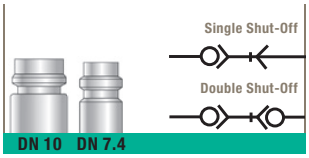
Stainless Steel European Profile

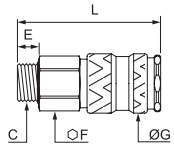
X25 and X27 Series



9201 Coupler, Male BSPP Thread



Stainless steel 316L, FKM



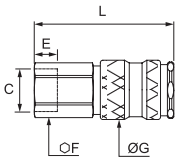
DN	C		E	F	G	L	kg
7.4	G1/4	9201X25 13	10.5	19	23	59	0.095
	G3/8	9201X25 17	9	19	23	57.5	0.094
	G1/2	9201X25 21	12	24	23	60.5	0.131
10	G3/8	9201X27 17	9	24	27	57.5	0.131
	G1/2	9201X27 21	12	24	27	59.5	0.134
	G3/4	9201X27 27	16	32	27	60.5	0.171

X25 Series (DN 7.4): single shut-off = 1800 Nl/min / X25 Series (DN 7.4): double shut-off = 710 Nl/min
X27 Series (DN 10): single shut-off = 2400 Nl/min / X27 Series (DN 10): double shut-off = 900 Nl/min

9214 Coupler, Female BSPP Thread



Stainless steel 316L, FKM



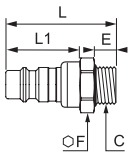
DN	C		E	F	G	L	kg
7.4	G1/4	9214X25 13	10	19	23	56	0.096
	G3/8	9214X25 17	9	19	23	55	0.089
	G1/2	9214X25 21	12	24	23	58	0.119
10	G3/8	9214X27 17	11	24	27	56	0.140
	G1/2	9214X27 21	12	24	27	56	0.127
	G3/4	9214X27 27	16	32	27	60	0.191

X25 Series (DN 7.4): single shut-off = 1800 Nl/min / X25 Series (DN 7.4): double shut-off = 710 Nl/min
X27 Series (DN 10): single shut-off = 2400 Nl/min / X27 Series (DN 10): double shut-off = 900 Nl/min

9287 Probe, Valved, Male BSPP Thread



Stainless steel 316L, FKM



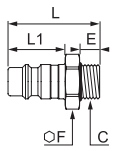
DN	C		E	F	L	L1	kg
7.4	G1/4	9287X25 13	10	19	43	20	0.052
	G3/8	9287X25 17	9	19	43	20	0.053
	G1/2	9287X25 21	12	24	46	20	0.089
10	G3/8	9287X27 17	9	24	58	22	0.080
	G1/2	9287X27 21	12	24	58	22	0.084
	G3/4	9287X27 27	16	32	62	22	0.122

Probe with shut-off

9087 Probe, Straight-Through, Male BSPP Thread



Stainless steel 316L



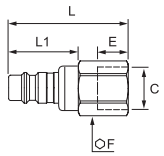
DN	C		E	F	L	L1	kg
7.4	G1/4	9087X25 13	9	17	34	20	0.018
	G3/8	9087X25 17	9	19	34	20	0.014
	G1/2	9087X25 21	12	24	36	20	0.047
10	G3/8	9087X27 17	9	19	37	22	0.013
	G1/2	9087X27 21	12	24	40	22	0.052
	G3/4	9087X27 27	16	32	45	22	0.086

Probe without shut-off

9286 Probe, Valved, Female BSPP Thread



Stainless steel 316L, FKM



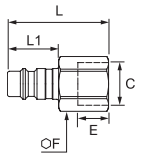
DN	C		E	F	L	L1	kg
7.4	G1/4	9286X25 13	10	19	54	20	0.056
	G3/8	9286X25 17	9	19	53	20	0.049
	G1/2	9286X25 21	12	24	56	20	0.079
10	G3/8	9286X27 17	9	24	55	22	0.090
	G1/2	9286X27 21	12	24	55	22	0.080
	G3/4	9286X27 27	16	24	58	22	0.140

Probe with shut-off

9086 Probe, Straight-Through, Female BSPP Thread



Stainless steel 316L



DN	C		E	F	L	L1	kg
7.4	G1/4	9086X25 13	12	10	33	20	0.023
	G3/8	9086X25 17	12	10	33	20	0.022
	G1/2	9086X25 21	14	12	35	20	0.035
10	G3/8	9086X27 17	9	19	33	22	0.026
	G1/2	9086X27 21	12	24	37	22	0.037
	G3/4	9086X27 27	16	32	42	22	0.091

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



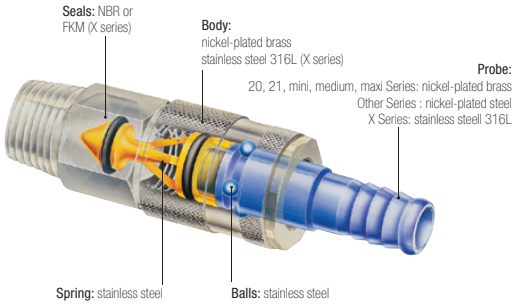
Applications
- Workshops
- Flushing
- Spraying
- Packaging
- Factory Automation
- Filling Systems
- Cleaning

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



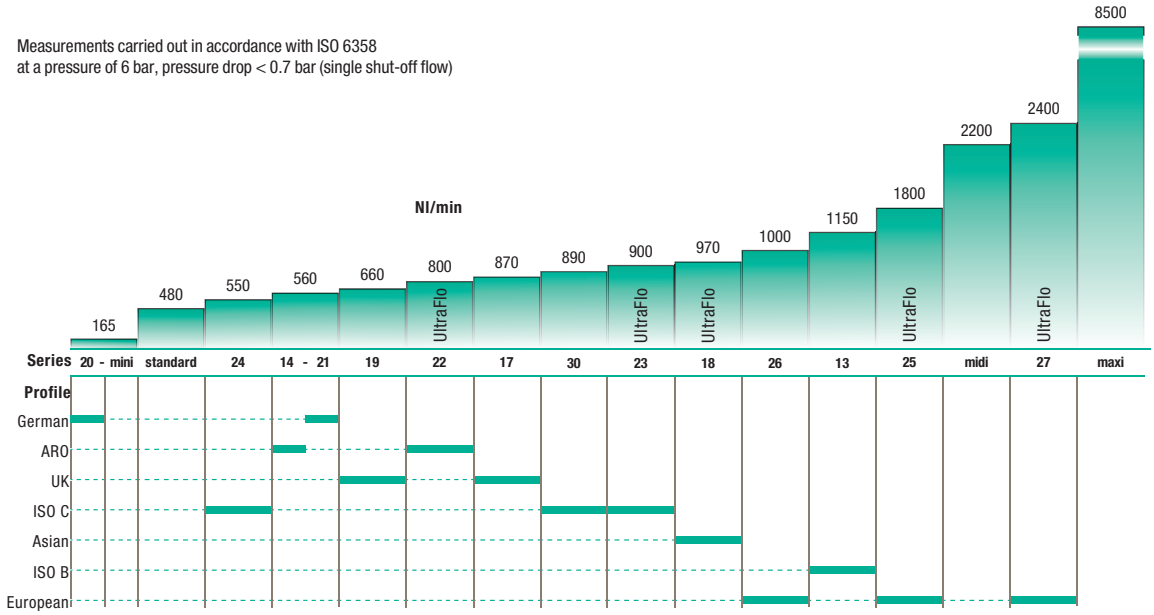
Silicone-free

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

Metal Quick-Acting Couplers

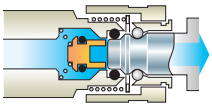
Metal Quick-Acting Coupler Technology and Flow Rates

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



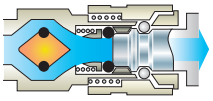
"Typical" quick-acting coupler

Standard "poppet" technology
Flow: 1000 Nl/min



UltraFlo quick-acting coupler

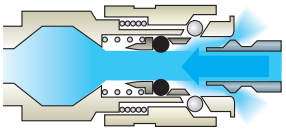
"Optimal flow" technology
Flow: 1700 Nl/min



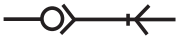
3 Shut-Off Functions

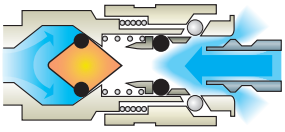
Straight-Through





Single Shut-Off

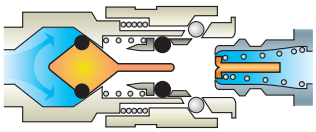




Single shut-off coupler
+ probe without shut-off
When disconnected, the fluid path is closed upstream (body side).

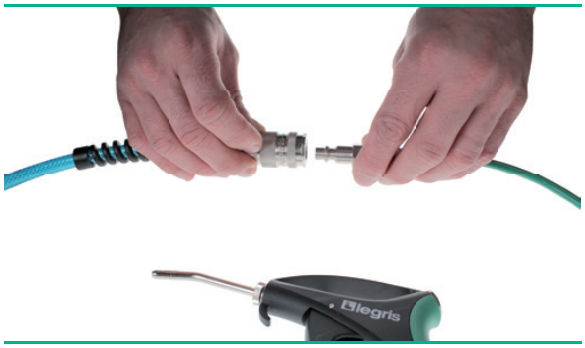
Double Shut-Off



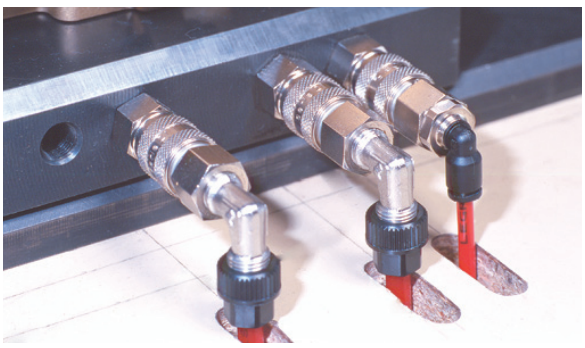


Double shut-off coupler
+ probe with shut-off
When disconnected, the fluid path is closed upstream (body side) and downstream (probe side).

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

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