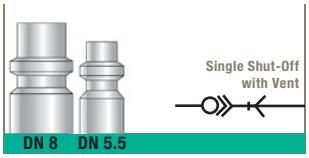
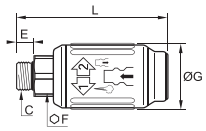
ISO B Profile



9401U Coupler, Male BSPP Thread



Technical polymer, nickel-plated brass, NBR



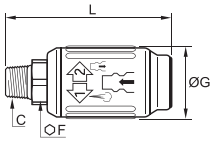
DN	C		E	F	G	L	kg
5.5	G1/4	9401U06 13	7.5	17	31.5	74	0.075
	G3/8	9401U06 17	8.5	21	31.5	76.5	0.095
	G1/2	9401U06 21	10.5	25	31.5	80	0.115
8	G1/4	9401U08 13	6.5	22	36.5	81.5	0.120
	G3/8	9401U08 17	7.5	22	36.5	82.5	0.133
	G1/2	9401U08 21	9	25	36.5	85.5	0.140

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 Nl/min

9405U Coupler, Male BSPT Thread



Technical polymer, nickel-plated brass, NBR



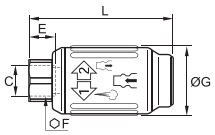
DN	C		F	G	L	kg
5.5	R1/4	9405U06 13	17	31.5	75	0.075
	R3/8	9405U06 17	19	31.5	76.5	0.095
	R1/2	9405U06 21	22	31.5	81.5	0.110
8	R1/4	9405U08 13	22	36.5	84	0.120
	R3/8	9405U08 17	22	36.5	84	0.120
	R1/2	9405U08 21	22	36.5	88	0.140

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 Nl/min

9414U Coupler, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



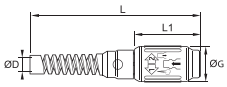
DN	C		E	F	G	L	kg
5.5	G1/4	9414U06 13	12	17	31.5	66.5	0.070
	G3/8	9414U06 17	12	22	31.5	72	0.085
	G1/2	9414U06 21	15	27	31.5	78	0.115
8	G1/4	9414U08 13	12	22	36.5	75	0.127
	G3/8	9414U08 17	12	22	36.5	75	0.144
	G1/2	9414U08 21	15	27	36.5	80	0.138

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 Nl/min

9410U Coupler, LF 3000® Push-In Connection, Body Spiral Protection Spring



Technical polymer, nickel-plated brass, NBR



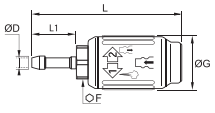
DN	ØD		G	L	L1	kg
5.5	8	9410U06 08	31.5	145	56	0.096
	10	9410U06 10	31.5	145	56	0.080
8	10	9410U08 10	36.5	155	63	0.175
	12	9410U08 12	36.5	165	63	0.162

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 Nl/min

9421U Coupler with Hosetail



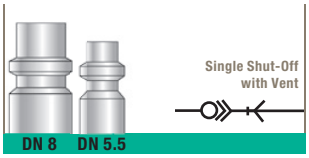
Technical polymer, nickel-plated brass, NBR



DN	ØD		F	G	L	L1	kg
5.5	6	9421U06 06	17	31.5	88.5	26	0.070
	8	9421U06 08	17	31.5	88.5	26	0.070
	10	9421U06 10	17	31.5	88.5	26	0.070
8	6	9421U08 06	22	36.5	95	26	0.110
	8	9421U08 08	22	36.5	95	26	0.100
	10	9421U08 10	22	36.5	95	26	0.124
	13	9421U08 13	22	36.5	99	30	0.125

C 9000 Series ISO B (DN 5.5): single shut-off flow = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off flow = 2400 Nl/min

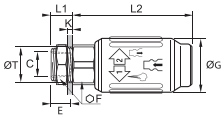
ISO B Profile



9416U Coupler, Bulkhead Mountable, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



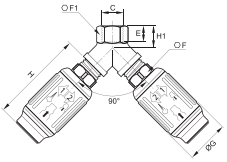
DN	C		E	F	G	K max	L1	L2	ØT min	kg
5.5	G1/4	9416U06 13	12	22	31.5	6	12.5	68.5	18.5	0.105
8	G3/8	9416U08 17	12	24	36.5	7	14.5	76	22.5	0.150

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 Nl/min

9440U Y Coupler, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



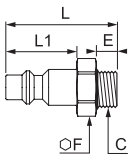
DN	C		E	F	F1	G	H	H1	kg
5.5	G3/8	9440U06 17	11.5	19	20	31.5	70	16	0.207
8	G1/2	9440U08 21	14	22	25	36.5	80	19	0.352

C 9000 Series ISO B (DN 5.5): single shut-off = 1250 Nl/min
C 9000 Series ISO B (DN 8): single shut-off = 2400 Nl/min

9087U Probe, Straight-Through, Male BSPP Thread



Nickel-plated steel, technical polymer



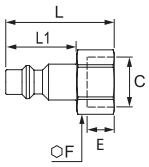
DN	C		E	F	L	L1	kg
5.5	G1/4	9087U06 13	9	17	38	24	0.025
	G3/8	9087U06 17	9	19	38	24	0.032
	G1/2	9087U06 21	12	22	42	24	0.048
8	G1/4	9087U08 13	9	17	38	24	0.030
	G3/8	9087U08 17	9	19	39	24	0.036
	G1/2	9087U08 21	12	22	42	24	0.058

Probe without shut-off

9086U Probe, Straight-Through, Female BSPP Thread



Nickel-plated steel



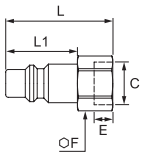
DN	C		E	F	L	L1	kg
5.5	G1/4	9086 23 13	9	17	36	24	0.025
	G3/8	9086 23 17	9	19	36	24	0.025
	G1/2	9086 23 21	12	24	39	24	0.039

Probe without shut-off

9086U Probe, Straight-Through, Female BSPP Thread



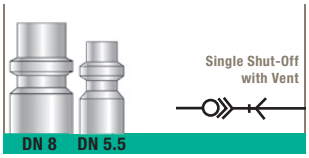
Nickel-plated steel



DN	C		E	F	L	L1	kg
8.5	G1/4	9086 30 13	10	17	40	28	0.032
	G3/8	9086 30 17	10	19	42	28	0.035
	G1/2	9086 30 21	12	24	43	28	0.046

Probe without shut-off
30 Series probe (DN 8.5) compatible with ISO B series C 9000 couplers (DN 8)

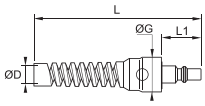
ISO B Profile



9080U Probe, Straight-Through, LF 3000® Push-In Connection, with Spiral Protection Spring



Nickel-plated steel, NBR



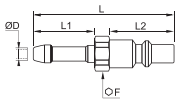
DN	ØD		G	L	L1	kg
5.5	8	9080U06 08	24	112	24	0.052
	10	9080U06 10	24	112	24	0.044
8	10	9080U08 10	24	114	26	0.095
	12	9080U08 12	29.5	125	26	0.096

Probe without shut-off

9094U Probe, Straight-Through, with Hosetail



Nickel-plated steel



DN	ØD		F	L	L1	L2	kg
5.5	6	9094U06 06	14	51	24	25	0.016
	8	9094U06 08	14	51	27	25	0.017
	10	9094U06 10	14	51	24	25	0.018
8	8	9094U08 08	17	51	24	25	0.027
	10	9094U08 10	17	51	27	25	0.028
	13	9094U08 13	17	51	24	25	0.031

Probe without shut-off

C 9000 Polymer Quick-Acting Safety Couplers

This range of ergonomic polymer couplers has been designed for **the safety of operators and machinery** while giving very high **energy efficiency performance**. Available in three profile standards, it is perfectly suited for any type of installation.

Product Advantages

Safety & Reliability

- Prevents risk of whiplash
- Quick-acting vent allowing disconnection to be carried out in total safety
- Rotating sleeve to avoid risk of accidental disconnection
- Low connection/disconnection force even under pressure
- Polymer sleeve protects equipment from scratching
- Protective spiral over the tube prevents kinking

Performance

- Very high flow and low pressure drop
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Robust impact-resistant material
- Optimum energy efficiency
- Long-term reliability

Easy-to-Use

- Immediate identification by clear marking on each model showing:
  - profile of the compatible male probe
  - type part number
- Compatible with male probes conforming to:
  - ISO B profile
  - European profile
  - ARO profile



Applications

Workshops
Cleaning
Blowing
Pneumatics
Air-Operated Tools
Ring Main Circuits
Packaging

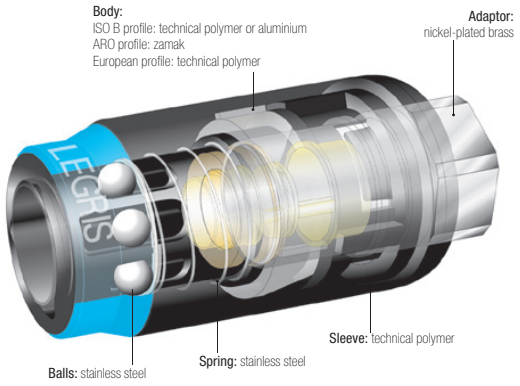
Technical Characteristics

Compatible Fluids	Compressed air
Working Pressure	0 to 16 bar
Working Temperature	-20°C to +60°C

Regulations

DI: 97/23/EC (PED)
DI: 2002/95/EC (RoHS), 2011/65/EC
DI: 1907/2006 (REACH)
ISO 4414 Pneumatic Fluid Power: General Rules Relating to Systems
DIN EN 983 Safety Standard for Pneumatics

Component Materials

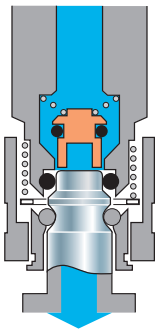


Silicone-free

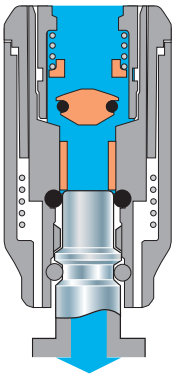
C 9000 Polymer Quick-Acting Safety Couplers

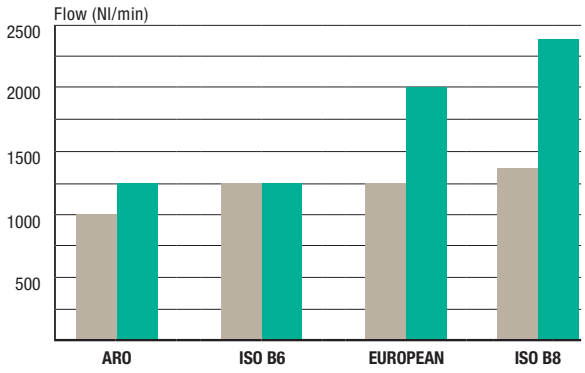
C 9000 Technology and Flow Rates

"Typical" quick-acting coupler
Standard "poppet" technology
Flow: 1400 Nl/min



C 9000 quick-acting coupler
"Optimal flow" technology
Flow: 2400 Nl/min





C 9000 Coupler

Standard Couplers

Measurements carried out in accordance with ISO 6358 at a pressure of 6 bar, pressure drop < 0.7 bar

Operation

Operation

1.



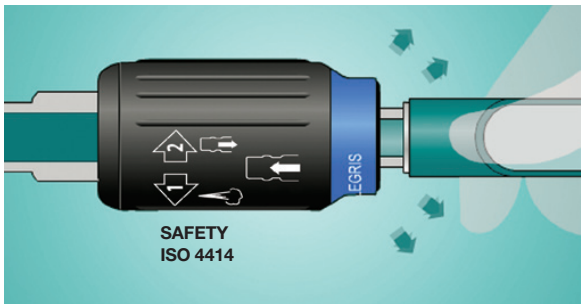
2.



Disconnecting the probe
Rotation, arrow 1: circuit vented on probe side.
Rotation, arrow 2: probe disconnected from the body.

Connecting the probe
The sleeve does not need to be rotated to connect the probe.

Venting



ISO B6 profile, recoil tubing (I.D. 6 mm, length 6 m)
Venting time = 350 ms (transition from 6 bar to 0.2 bar)

ISO B8 profile, PVC tubing (I.D. 10 mm, length 25 m)
Venting time = 860 ms (transition from 6 bar to 0.2 bar)

Even with longer lengths of tubing, the vent time of the C 9000 coupler can be less than 1 second.

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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