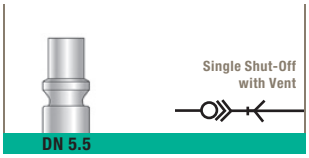
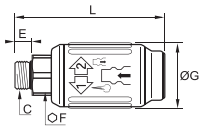
ARO Profile



9401A Coupler, Male BSPP Thread



Technical polymer, nickel-plated brass, NBR



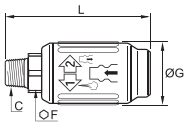
DN	C		E	F	G	L	kg
5.5	G1/4	9401A06 13	6.5	17	31.5	70.5	0.105
	G3/8	9401A06 17	9	21	31.5	73.5	0.123
	G1/2	9401A06 21	9	25	31.5	70.5	0.150

C 9000 series: single shut-off = 1250 Nl/min

9405A Coupler, Male BSPT Thread



Technical polymer, nickel-plated brass, NBR



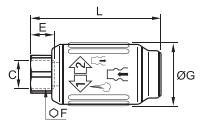
DN	C		F	G	L	kg
5.5	R1/4	9405A06 13	17	31.5	73	0.105
	R3/8	9405A06 17	19	31.5	74.5	0.110
	R1/2	9405A06 21	22	31.5	79.5	0.140

C 9000 series: single shut-off = 1250 Nl/min

9414A Coupler, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



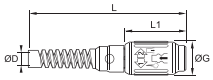
DN	C		E	F	G	L	kg
5.5	G1/4	9414A06 13	12	17	31.5	64.5	0.095
	G3/8	9414A06 17	12	22	31.5	70	0.115
	G1/2	9414A06 21	15	27	31.5	76	0.145

C 9000 series: single shut-off = 1250 Nl/min

9410A Coupler, LF 3000® Push-In Connection, with Spiral Protection Spring



Technical polymer, nickel-plated brass, NBR



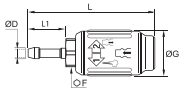
DN	ØD		G	L	L1	kg
5.5	8	9410A06 08	31.5	143	54	0.140
	10	9410A06 10	31.5	143	54	0.175

C 9000 series: single shut-off = 1250 Nl/min

9421A Coupler with Hosetail



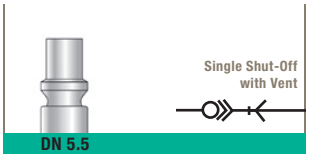
Technical polymer, nickel-plated brass, NBR



DN	ØD		F	G	L	L1	kg
5.5	6	9421A06 06	17	31.5	86.5	26	0.110
	8	9421A06 08	17	31.5	86.5	26	0.100
	10	9421A06 10	17	31.5	86.5	26	0.100

C 9000 series: single shut-off = 1250 Nl/min

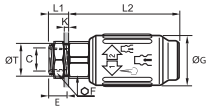
ARO Profile



9416A Coupler, Bulkhead Mountable, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



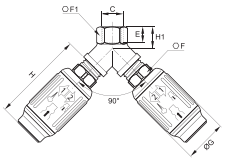
DN	C		E	F	G	K	L1	L2	ØT	kg
5.5	G1/4	9416A06 13	12	22	31.5	6	12.5	66.5	18.5	0.135

C 9000 series: single shut-off = 1250 Nl/min

9440A Y Coupler, Female BSPP Thread



Technical polymer, nickel-plated brass, NBR



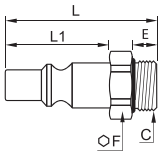
DN	C		E	F	F1	G	H	H1	kg
5.5	G3/8	9440A06 17	11.5	19	20	31.5	68	16	0.263

C 9000 series: single shut-off = 1250 Nl/min

9087A Probe, Straight-Through, Male BSPP Thread



Nickel-plated steel, technical polymer



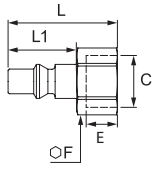
DN	C		E	F	L	L1	kg
	G1/4	9087A06 13	9	17	36	22	0.020
5.5	G3/8	9087A06 17	9	19	36	22	0.024
	G1/2	9087A06 21	12	24	40	22	0.039

Probe without shut-off

9086A Probe, Straight-Through, Female BSPP Thread



Nickel-plated steel



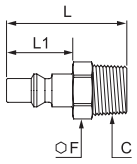
DN	C		E	F	L	L1	kg
	G1/4	9086 22 13	9	17	35.5	22	0.024
5.5	G3/8	9086 22 17	10	19	35.5	22	0.023
	G1/2	9086 22 21	12	24	38	22	0.039

Probe without shut-off

9084A Probe, Straight-Through, Male BSPT Thread



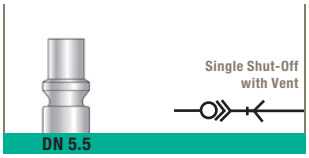
Nickel-plated steel



DN	C		F	L	L1	kg
	R1/4	9084 22 13	14	40.5	22	0.020
5.5	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

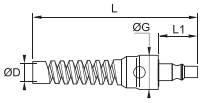
ARO Profile



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



Nickel-plated steel, NBR



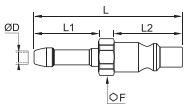
DN	ØD		G	L	L1	kg
5.5	8	9080A06 08	24	118	22	0.028
	10	9080A06 10	24	118	22	0.027

Probe without shut-off

9094A Probe, Straight-Through, with Hosetail



Nickel-plated steel



DN	ØD		F	L	L1	L2	kg
5.5	6	9094A06 06	14	48.5	22	25	0.012
	8	9094A06 08	14	48.5	22	25	0.014
	10	9094A06 10	14	48.5	22	25	0.016

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

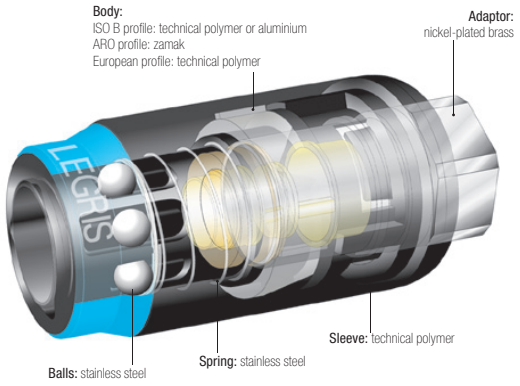
Technical Characteristics

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

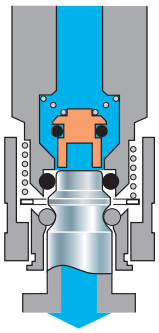


Silicone-free

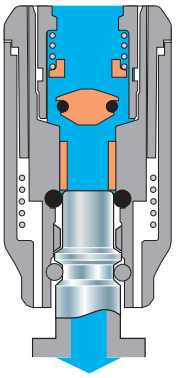
C 9000 Polymer Quick-Acting Safety Couplers

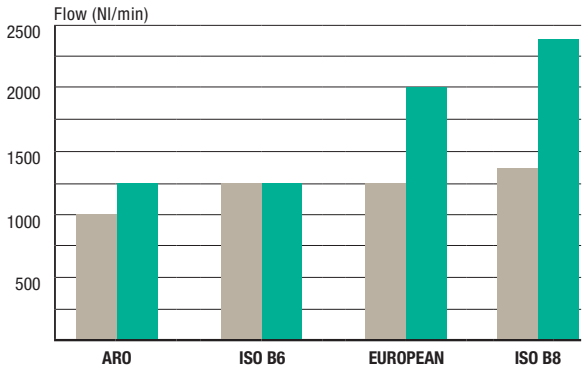
C 9000 Technology and Flow Rates

"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.



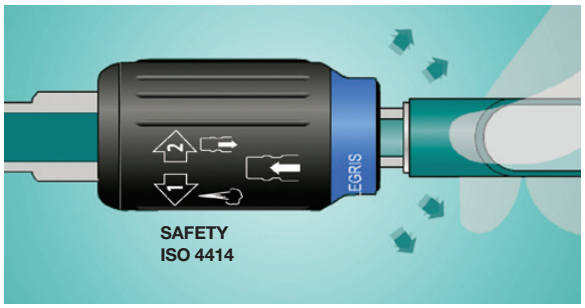
2.



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