

You will find all information concerning C 9000
within the online catalogue and learning space of our web-site
www.legris.com

C9000



Advanced quick acting couplers



 legris A DIVISION OF GROUPE LEGRIS INDUSTRIES



C9000

C 9000 advanced quick acting couplers have been designed for pneumatic installations which require frequent connection or disconnection, both quickly and without tools, whether two hoses or a single hose and connection point.

Extensive research and careful design have enabled Legris to provide meaningful benefits to end users through a combination of innovation and proven reliability.

Comfortable operation

C 9000 ergonomic features ensure maximum comfort and ease of use for the end-user.

In particular :

- light weight and robust materials
- virtually effortless connection and disconnection
- improved hand grip thanks to moulded ridges on the coupler body.

Superior technological performance

C 9000 technical features ensure optimal efficiency of pneumatic machines and air tools with :

- very high flow and extremely low pressure loss
- perfectly controlled sealing
- high impact composite material resistant to shocks and scratching
- excellent mechanical strength : extending lifetime performance and reliability

Specifications :

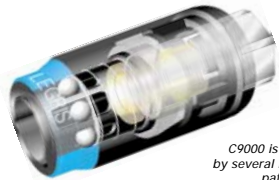
Fluid : compressed air Working pressure : 0 to 16 bar
Working temperature : -20° to + 60°C

- Materials :
- Body : reinforced polymer
 - ARO profile : zamac
 - Sleeve : reinforced polymer
 - Sub-base : nickel-plated brass
 - Spring : stainless steel
 - Balls : stainless steel
 - 'O' Ring : nitrile
 - Probe : nickel-plated brass, reinforced polymer
 - Adaptor : nickel-plated brass and reinforced polymer

Immediate identification

For immediate visual identification, each model has clear marking which indicates :

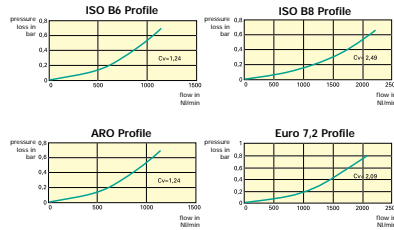
- the compatible probe profile
- the part number of the coupler body (for restocking).



C9000 is protected by several international patents

Flow curves – Pressure loss

Supply pressure = 6 bar



C9000

C 9000 advanced quick acting couplers have been specifically designed to meet the operating requirements and safety standards that apply to all industrial organisations.

SAFETY
ISO 4414

100% safety

C 9000 advanced quick acting couplers comply with ISO 4414 and EN983 Safety standards since disconnection is by a double twist of the sleeve : a safety feature that breaks deliberately with common practice in order to avoid accidental disconnection.

Moreover, even if disconnection is performed rapidly, the safety of the end-user is guaranteed thanks to a very short vent-time.

Examples :

- for an ISO B6 profile C 9000 coupler with recoil tubing (6 mm I.d) 6 m length, time to vent (from 6 bar to 0,2 bar) = 350 ms
- for an ISO B8 profile C 9000 coupler with PVC hose (10 mm I.d) 25 m length, time to vent (from 6 bar to 0,2 bar) = 860 ms

Even with long lengths of tube, the vent-time of C 9000 couplers is less than 1 second.



rotation in direction of the arrow circuit flushed out probe side.

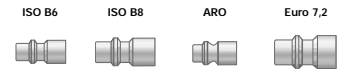


rotation in direction of the arrow disconnection of body and probe.

guaranteed interchangeability

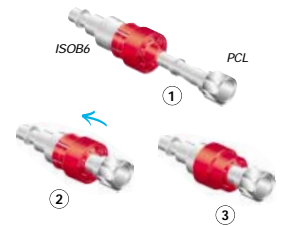
For replacement, modification or extension of a system, and for maintenance of equipment, interchangeability of couplers is vital for many end-users.

C 9000 has been designed to be directly interchangeable with many other manufacturers, meeting common worldwide standards : ISO B, ARO and Euro 7,2 profiles.



Furthermore specific national standard profiles can be matched with a C 9000 probe adaptor as a complementary solution.

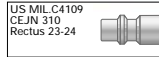
You can thus adapt the probe profile to the standard you want, immediately overcoming the constraints of compatibility.



flow : 1250 NI / min (44 cfm)
passage : 5,5 mm



ISO 6150B Profile
SAFETY



body

9401U male, BSP parallel

C	
G1/4	9401U06 13
G3/8	9401U06 17
G1/2	9401U06 21

9405U male, BSP taper

C	
R1/4	9405U06 13
R3/8	9405U06 17
R1/2	9405U06 21

9414U female, BSP parallel

C	
G1/4	9414U06 13
G3/8	9414U06 17
G1/2	9414U06 21

9410U LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
8	9410U06 08
10	9410U06 10

9421U with hose tail

ØD (i.d.)	
6	9421U06 06
8	9421U06 08
10	9421U06 10

9416U female panel mountable, BSP parallel

C	
G1/4	9416U06 13

probe

9087U male, BSP parallel

C	
G1/4	9087U06 13
G3/8	9087U06 17
G1/2	9087U06 21

9086 female, BSP parallel

C	
G1/4	9086 23 13
G3/8	9086 23 17
G1/2	9086 23 21

9080U LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
8	9080U06 08
10	9080U06 10

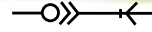
9094U with hose tail

ØD (i.d.)	
6	9094U06 06
8	9094U06 08
10	9094U06 10

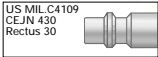
9440U Y female, BSP parallel

C	
G3/8	9440U06 17

flow : 2400 NI / min (85 cfm)
passage : 8 mm



ISO 6150B Profile
SAFETY



body

9401U male, BSP parallel

C	
G1/4	9401U08 13
G3/8	9401U08 17
G1/2	9401U08 21

9405U male, BSP taper

C	
R1/4	9405U08 13
R3/8	9405U08 17
R1/2	9405U08 21

9414U female, BSP parallel

C	
G1/4	9414U08 13
G3/8	9414U08 17
G1/2	9414U08 21

9410U LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
10	9410U08 10
12	9410U08 12

9421U with hose tail

ØD (i.d.)	
8	9421U08 08
10	9421U08 10
13	9421U08 13

9416U female panel mountable, BSP parallel

C	
G3/8	9416U08 17

probe

9087U male, BSP parallel

C	
G1/4	9087U08 13
G3/8	9087U08 17
G1/2	9087U08 21

9086 female, BSP parallel

C	
G1/4	9086 30 13
G3/8	9086 30 17
G1/2	9086 30 21

9080U LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
10	9080U08 10
12	9080U08 12

9094U with hose tail

ØD (i.d.)	
8	9094U08 08
10	9094U08 10
13	9094U08 13

9440U Y female, BSP parallel

C	
G1/2	9440U08 21

Probe profile interchange adaptor

9090U ISO C to ISO B6 profile adaptor

	9090U06 01
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9090U PCL to ISO B6 profile adaptor

	9090U06 03
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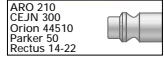
C9000

legris
connectic

flow : 1250 NI / min (44 cfm)
passage : 5,5 mm



ARO Profile
SAFETY



body

9401A male, BSP parallel

C	
G1/4	9401A06 13
G3/8	9401A06 17
G1/2	9401A06 21

9405A male, BSP taper

C	
R1/4	9405A06 13
R3/8	9405A06 17
R1/2	9405A06 21

9414A female, BSP parallel

C	
G1/4	9414A06 13
G3/8	9414A06 17
G1/2	9414A06 21

9410A LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
8	9410A06 08
10	9410A06 10

9421A with hosetail

ØD (i.d.)	
6	9421A06 06
8	9421A06 08
10	9421A06 10

9416A female panel mountable, BSP parallel

C	
G1/4	9416A06 13

probe

9087A male, BSP parallel

C	
G1/4	9087A06 13
G3/8	9087A06 17
G1/2	9087A06 21

9084 male, BSP taper

C	
R1/4	9084 22 13
R3/8	9084 22 17
R1/2	9084 22 21

9086 female, BSP parallel

C	
G1/4	9086 22 13
G3/8	9086 22 17
G1/2	9086 22 21

9080A LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
8	9080A06 08
10	9080A06 10

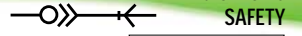
9094A with hosetail

ØD (i.d.)	
6	9094A06 06
8	9094A06 08
10	9094A06 10

9440A Y female, BSP parallel

C	
G3/8	9440A06 17

flow : 2000 NI / min
passage : 7,2 mm



Euro Profile
SAFETY



body

9401E male, BSP parallel

C	
G1/4	9401E07 13
G3/8	9401E07 17
G1/2	9401E07 21

9414E female, BSP parallel

C	
G1/4	9414E07 13
G3/8	9414E07 17
G1/2	9414E07 21

9410E LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
10	9410E07 10
12	9410E07 12

9421E with hosetail

ØD (i.d.)	
8	9421E07 08
10	9421E07 10
13	9421E07 13

9416E female panel mountable, BSP parallel

C	
G3/8	9416E07 17

probe

9087E male, BSP parallel

C	
G1/4	9087E07 13
G3/8	9087E07 17
G1/2	9087E07 21

9086 female, BSP parallel

C	
G1/4	9086 25 13
G3/8	9086 25 17
G1/2	9086 25 21

9080E LF 3000 outlet, with spiral protection spring

ØD (o.d.)	
10	9080E07 10
12	9080E07 12

9094E with hosetail

ØD (i.d.)	
8	9094E07 08
10	9094E07 10
13	9094E07 13

9440E Y female, BSP parallel

C	
G1/2	9440E07 21

To complete its range of C 9000 advanced quick acting couplers, Legris offers a wide range of compatible technical tubes and hoses :

- polyurethane recoil tubing
- braided PVC hose and hose clips

