

QUICKAIR®/GIRAIR®

A COMPLETE SYSTEM OF PIPES
AND FITTINGS FOR COMPRESSED AIR



safety for your pipeworks

A complete system for conveying compressed air

A WIDE RANGE

A complete system with 2 jointing methods:

- solvent cementing with fast curing welding polymer (GIRAIR®) Ø 16 to Ø 110
- compression fittings (Quickair) Ø 20 to Ø 63

High performance, flexibility and reliability.

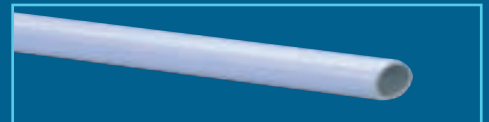
All the QUICKAIR®/GIRAIR® fittings are adapted to the GIRAIR® pipes: high mechanical resistance PN 12,5 and excellent resistance to impacts.

The component of the GIRAIR® pipe material feature excellent resistance to the usual compressor oils. GIRAIR® is neither attacked by the atmospheric agents (humid air, aggressive environment) nor by the condensates (no phenomenon of hydrolis). The networks are perennial and without leaks. The GIRAIR® pipe presents an excellent ductile behaviour in case of mechanical impact.

FITTINGS

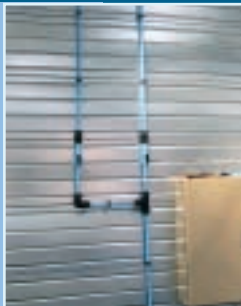


PIPE



A high performance, flexible and reliable system

- Corrosion free
- Perfect airtightness
- Technical reliability
- Easy maintenance



- A complete system
- 2 jointings methods
- Modular



- Installation time under control
- Limited set tools, lightweight and easy to handle
- Easier to maintain



- Clean air at all time
- Clean installation
- Reduced maintenance



The GIRAIR® pipes and fittings are rated Bs1d0 by Euroclasses.

GIRAIR® SYSTEM



Innovating fittings for high performance

RESISTANT

The fitting has very high resistance properties: mechanical, elasticity and dynamic-fatigue.

It resists compressor oils and behaves remarkably well at high and low temperatures.

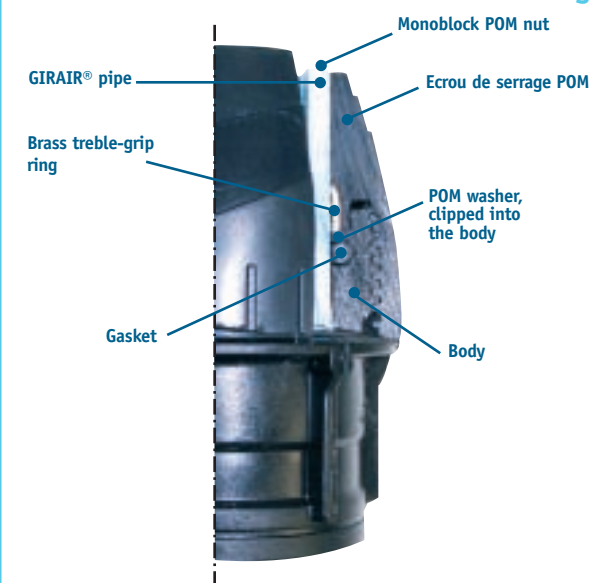
QUICKER

Thanks to the nut's very low friction coefficient, tightening and installation in general become easier and quicker.

FLEXIBLE

A complete system, making modifications of existing networks easier.

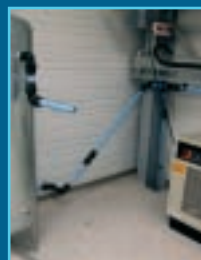
Cross-section view of a QUICKAIR® fitting



Mechanical tests

Many tests underscore the performances of the QUICKAIR® system.

- RESISTANCE TO STATIC PRESSURE.
- RESISTANCE TO DYNAMIC PRESSURE.
- BENDING TESTS UNDER PRESSURE.
- CREEP BEHAVIOUR UNDER LOW PRESSURE.
- RESISTANCE TO UV RADIATIONS.
- RESISTANCE TO COMPRESSOR OILS.

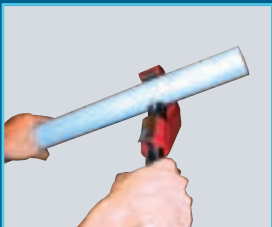


Installation

Installing the QUICKAIR®/GIRAIR® system requires a very limited set tools: lightweight, hazard-free and clean. No torches or blowlamps are needed on site and consequently no fire permit is required.

INSTALLATION RULES

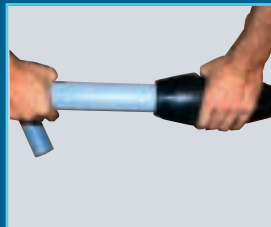
QUICKAIR®



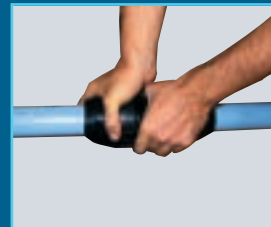
Cutting the pipe



Triming the pipe inside for Ø 20 / 25 / 32 mm and chamfering it outside for Ø 40 / 50 / 63 mm



Marking the pipe distance corresponding to socket depth with the GIRPI tool in order to visually ensure that the pipe has been pushed home correctly. Pushing the pipe into the nut.



Tightening the nut by hand



Secure by giving the nut one last quarter-turn thanks to the specific Girpi tool

GIRAIR®



Cutting the pipe



Chamfering



Welding polymer GAFIX



Bonding



Joining

The welding polymer developed by Girpi ensure perfectly airtight chemical cold welds, ready to be pressurised very quickly, with minimum intervention of maintenance personnel.



The Monoklips brackets have been especially designed to support Girpi Systems. The pipe can slide freely trough the bracket as it expands and contracts. Wedges are also available.

GIRAIR® SYSTEM

Many advantages



Nowadays production sites are faced with regular modifications of their workshop organisation. The QUICKAIR®/GIRAIR® range is perfectly adapted to the production workshop reorganization thanks to a flexible system easy to install.

Whilst fresh air is free, compressed air is not. How much do energy losses actually cost ?

Present everywhere: compressed air is used in many areas of the industry, in the most diverse applications.







For the company, the cost of producing compressed air distribution network always leads to leaks and load losses. On some traditional networks, losses can reach 50% of the air produced by the compressor. And losses mean a waste of energy and money.

You should therefore demand the best possible efficiency from your network and base your decision on accurate criteria:

- low load losses
- Resistance to corrosion leading to longevity
- Clean air throughout the network
- Simple assembly and reduced maintenance

QUICKAIR® range

DESIGNATION	REFERENCE	DIAMETERS IN MM					
		20	25	32	40	50	63
PIPES	 TUBGA	■	■	■	■	■	■
THREADED ADAPTORS	 QMML	■	■	■	■	■	■
COUPLINGS	 QMA	■	■	■	■	■	■
ELBOWS 90°	 Q4M	■	■	■	■	■	■
ELBOWS 45°	 Q8M	■	■	■	■	■	■
DROP BENDS (C-shaped)	 Q2C	■	■	■			
DROP BENDS (S-shaped)	 Q2S	■	■	■			
EQUAL TEES	 QTE	■	■	■	■	■	■
REDUCED TEES	 QTR		20	25	32	40	50
THREADED TEES	 QTG	■	■				
REDUCERS	 QRS		20	25	32	40	50
REDUCERS	 QRD			20	25	25 32	
CAPS	 QB0	■	■	■	■	■	■
ADAPTOR NIPPLES	 QEAL	■	■	■	■	■	■
WALL PLATE ELBOW WITH 1 FEMALE THREADED OUTLET AND 1 SOCKET INLET	 Q4GP	■	■				
WALL PLATE WITH 3 OUTLETS AND WEDGE ADAPTOR	 GAAP	■	■				
WEDGES	 CALQAP	■	■				
THREADED SADDLES (1/2" THREAD)	 QSB		■	■	■	■	■
THREADED SADDLES (3/4" THREAD)	 QSB		■	■	■	■	■
THREADED ELBOWS 90°	 Q4EA	■	■				
ELBOWS 90°	 Q4EAL			■	■	■	■
FIXTURES FOR IPN	 FAL FAZ	■	■	■	■	■	■
VALVES	 Q2MBE	■	■	■	■	■	■
MONOKLIP BRACKETS Ø 20 to 63	 HCK / HCKP HCKC	■	■	■	■	■	■
WEDGES FOR MONOKLIP BRACKET Ø 20 to 63	 1225/3263 3263/4	■	■	■	■	■	■

TOOLS	REFERENCE	DIAMETER IN MM												
		12	16	20	25	32	40	50	63	75	90	110	125	160
CHAMFERING AND TRIMMING CONES	 CONE50U	■	■	■	■	■	■	■	■					
PLASTIC PIPE CUTTERS	 CTP	■	■	■	■	■	■							
CHAMFERING PIPE-CUTTERS	 CTC	■	■	■	■	■	■	■	■	■	■	■	■	■
PLASTIC PIPE CUTTERS	 CT	■	■	■	■	■	■	■	■	■	■	■	■	■
TRIMMER	 EBAV	■	■	■	■	■	■	■	■	■	■	■	■	■
CHAMFERING TOOL	 CHANF							■	■	■	■	■	■	■
CLAMP TOOLS	 QCLE	■	■	■	■	■	■	■	■					
SAW BELL Ø 19	 CLOCHE													

GIRAIR® SYSTEM

GIRAIR® range



DESIGNATION	REFERENCE	DIAMETERS IN MM										
		16	20	25	32	40	50	63	75	90	110	
PIPES	TUBGA	■	■	■	■	■	■	■	■	■	■	■
COUPLINGS	GAMA	■	■	■	■	■	■	■	■	■	■	■
ELBOWS 90°	GA4M	■	■	■	■	■	■	■	■	■	■	■
ELBOWS 45°	GA8M	■	■	■	■	■	■	■	■	■	■	■
BENDS 90°	GA4C						■	■	■	■	■	■
DROP BENDS 180°	GA2C	■	■	■	■	■	■	■	■	■	■	■
EQUAL TEES 90°	GATE	■	■	■	■	■	■	■	■	■	■	■
TEES REDUCED 90°	GATR		16	16 20	16 20 25	20 25 32	25 32 40	25 32 40	25 32 40	25 32 40	25 32 40	32 40 50
REDUCING BUSHES SHORT PATTERN	GARS		16	20	25	32	40	50	63	75	90	
REDUCING BUSHES LONG PATTERN	GARD			16	20	25	32	25 32 40	32 40 50	40 50 63	50 63 75	50 63 75
CAPS	GABO	■	■	■	■	■	■	■	■	■	■	■
3 PIECE UNIONS	GA3P	■	■	■	■	■	■	■	■	■	■	■
3 PIECE UNIONS	GA3F/P	■	■	■	■	■	■	■	■	■	■	■
3 PIECE UNIONS GIRAIR x BRASS	GA3G/L	■	■	■	■	■	■	■	■	■	■	■
3 PIECE UNIONS GIRAIR x BRASS	GA3F/L	■	■	■	■	■	■	■	■	■	■	■
CONNECTORS	GAUR	■	■	■	■	■	■	■	■	■	■	■
THREADED ADAPTORS FOR HIGH TORQUE	GAMML	■	■	■	■	■	■	■	■	■	■	■
THREADED ELBOWS 90° FOR HIGH TORQUE	GA4GL	■	■	■	■	■	■	■	■	■	■	■
ADAPTOR NIPPLES FOR HIGH TORQUE	GAEAL GAEBL	■	■	■	■	■	■	■	■	■	■	■
ADAPTOR SOCKETS	GAMM	■	■	■	■	■	■	■	■	■	■	■
THREADED ELBOWS	GA4G	■	■	■	■	■	■	■	■	■	■	■
EQUAL THREADED TEES	GATG	■	■	■	■	■	■	■	■	■	■	■
ADAPTOR NIPPLES	GAEA	■	■	■	■	■	■	■	■	■	■	■
REDUCING ADAPTOR NIPPLES	GAEB	■	■	■	■	■	■	■	■	■	■	■
SERRATED STUB FLANGES	GACS						■	■	■	■	■	■
MONOKLIP BRACKETS	HCK / HCKP HCKC	■	■	■	■	■	■	■	■	■	■	■
WEDGES FOR MONOKLIP BRACKET Ø 16 to 110	1225/3263 75110/3263/4	■	■	■	■	■	■	■	■	■	■	■
DOUBLE UNION BALL VALVES	GA2MBE (EPDM)	■	■	■	■	■	■	■	■	■	■	■
UNION BALL VALVES	GA2MFE (EPDM)									■	■	■
BALL VALVES WITH PNEUMATIC ACTUATOR SINGLE ACTION (SE)	VAPGSE	■	■	■	■	■	■	■	■	■	■	■
BALL VALVES WITH PNEUMATIC ACTUATOR DOUBLE ACTION (DE)	VAPGDE	■	■	■	■	■	■	■	■	■	■	■
BALL VALVES WITH ELECTRIC ACTUATOR 230V 50HZ	VAEG	■	■	■	■	■	■	■	■	■	■	■
ACCESSORIES MALE THREADED INSTANT FITTING	GHRR	■	■	■	■	■	■	■	■	■	■	■
QUICK NIPPLES	GHEP	■	■	■	■	■	■	■	■	■	■	■
WALL PLATE ELBOW FOR JOINTING ON PIPE WITH BRASS CONNECTOR	GAAP	■	■	■	■	■	■	■	■	■	■	■
WELDING POLYMER	GAFIXP GAFIXB	■	■	■	■	■	■	■	■	■	■	■

QUICKAIR® / GIRAIR®

OPTIMAL SAFETY AND VERSATILITY FOR YOUR COMPRESSED AIR NETWORKS

QUICKAIR® / GIRAIR®

2 JOINTING METHODS: COMPRESSION FITTINGS (QUICKAIR®) AND
SOLVENT CEMENTING WITH FAST CURING WELDING POLYMER (GIRAIR®).



QUICKAIR®



GIRAIR®



The GIRAIR® system is made from a totally recyclable material.



safety for your pipeworks

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