

GIRAIR®, COMPRESSED AIR DISTRIBUTION

GIRAIR® is a system with proven reliability, from the compressor outlet to the wall-mounted unit. The GIRAIR® system is designed for a maximum operating pressure of 12.5 bar at 20°C to solve all scenarios for your compressed air distribution projects.

The smooth internal surface and the full-flow fittings limit pressure losses and put less strain on network accessories in order to save energy.

The GIRAIR® system is a complete system, especially developed to bring global reliability. Therefore, all of the system's elements must imperatively be used. The use of components of external origin will make GIRPI's guarantee null and void.

APPLICATION AREAS

- Compressed air distribution.
- Neutral gas distribution (type azote).
- Centralized networks.

PERFORMANCE

- Fully corrosion resistant.
- Energy savings.
- Impact resistance.
- No leaks.
- Air cleanliness.
- Low maintenance.
- Assembled by cold welding. Use exclusively the welding polymer (references 3FIXP and 3FIXB). Exclusively use specific CLEANER + from GIRPI for preparation phases.



INTERNATIONAL CERTIFICATIONS

- Maximum working pressure: 12.5 bar at 25°C.
- Non-flammable: B-s1,d0 (Euroclasses classification).
- Blue colour as per NF A 571.
- Dimensions as per NF EN 1452.

Pipes - Fittings

PIPES

> CHAMFERED AT BOTH ENDS, IN 4 METER LENGTHS. WRAPPED IN PLASTIC SLEEVES



DN (Ø ext)	Pipe length (m)	Min. Wall Thickness (mm)	Pack (Lg)	Ref.
16	4	1,8	10*	TUBGA16
20	4	2,3	10*	TUBGA20
25	4	2,8	10*	TUBGA25
32	4	2,9	10*	TUBGA32
40	4	3,7	10*	TUBGA40
50	4	4,6	10*	TUBGA50
63	4	5,8	10*	TUBGA63
75	4	6,8	10*	TUBGA75
90	4	8,2	1	TUBGA90
110	4	10	1	TUBGA110

ELBOWS 90°

> SOCKET/SOCKET



GA4M32

Ø	Pack	Ref.
16	S10*	GA4M16
20	S10*	GA4M20
25	S10*	GA4M25
32	S10*	GA4M32
40	S10*	GA4M40
50	S10*	GA4M50
63	1	GA4M63
75	1	GA4M75
90	1	GA4M90
110	1	GA4M110

ELBOWS 45°

> SOCKET/SOCKET



GA8M32

Ø	Pack	Ref.
16	S10*	GA8M16
20	S10*	GA8M20
25	S10*	GA8M25
32	S10*	GA8M32
40	S10*	GA8M40
50	S10*	GA8M50
63	1	GA8M63
75	1	GA8M75
90	1	GA8M90
110	1	GA8M110

SERRATED STUB FLANGES

> SOCKET - DELIVERED WITHOUT FLAT GASKET



GACS75

Ø/ØR	Pack	Ref.
50	S10*	GACS50
63	1	GACS63
75	1	GACS75
90	1	GACS90
110	1	GACS110

BENDS 90°

> SOCKET/SOCKET



GA4C75

Ø	Cond.	Réf.
50	S10*	GA4C50
63	1	GA4C63
75	1	GA4C75
90	1	GA4C90
110	1	GA4C110

COUPLINGS

> SOCKET/SOCKET



GAMA32

Ø	Pack	Ref.
16	S10*	GAMA16
20	S10*	GAMA20
25	S10*	GAMA25
32	S10*	GAMA32
40	S10*	GAMA40
50	S10*	GAMA50
63	1	GAMA63
75	1	GAMA75
90	1	GAMA90
110	1	GAMA110

CAPS

> SOCKET



GABO32

Ø	Pack	Ref.
16	S10*	GAB016
20	S10*	GAB020
25	S10*	GAB025
32	S10*	GAB032
40	S10*	GAB040
50	S10*	GAB050
63	1	GAB063
75	1	GAB075
90	1	GAB090
110	1	GAB0110

* Unpackaging with additional cost



Fittings

The use of anaerobic resins as a sealant for threaded joints is strictly forbidden.

REDUCING BUSHES LONG PATTERN			REDUCING BUSHES SHORT PATTERN		
> SPIGOT (Ø) / SOCKET (ØR)			> SPIGOT (Ø) / SOCKET (ØR)		
Ø/ØR	Pack	Ref.	Ø/ØR	Pack	Ref.
25/16	S10•	GARD2516	20/16	S10•	GARS20
32/20	S10•	GARD3220	25/20	S10•	GARS25
40/25	S10•	GARD4025	32/25	S10•	GARS32
50/32	S10•	GARD5032	40/32	S10•	GARS40
63/32	1	GARD6332	50/40	S10•	GARS50
63/40	1	GARD6340	63/50	1	GARS63
75/32	1	GARD7532	75/63	1	GARS75
90/50	1	GARD9050	90/75	1	GARS90
90/63	1	GARD9063	110/90	1	GARS110
110/50	1	GARD1150			
110/63	1	GARD1163			

Reducer's large ends for references GARD 32 to 110 (except GARD 7532) can be used as sockets and Spigots, with one size interval. Small ends are socket only. Example: GARD 90/63 = 90 Spigot. + 75 Socket / 63 Socket

REDUCING TEES 90°			EQUAL TEES 90°		
> SOCKET/SOCKET			> SOCKET/SOCKET		
Ø/ØR	Pack	Ref.	Ø	Pack	Ref.
20/16	S10•	GATR2016	16	S10•	GATE16
25/16	S10•	GATR2516	20	S10•	GATE20
25/20	S10•	GATR2520	25	S10•	GATE25
32/16	S10•	GATR3216	32	S10•	GATE32
32/20	S10•	GATR3220	40	S10•	GATE40
32/25	S10•	GATR3225	50	S10•	GATE50
40/20	S10•	GATR4020	63	1	GATE63
40/25	S10•	GATR4025	75	1	GATE75
40/32	S10•	GATR4032	90	1	GATE90
50/25	S10•	GATR5025	110	1	GATE110
50/32	S10•	GATR5032			
50/40	S10•	GATR5040			
63/25	1	GATR6325			
63/32	1	GATR6332			
63/40	1	GATR6340			
75/25	1	GATR7525			
75/32	1	GATR7532			
90/25	1	GATR9025			

Threaded fittings

THREADED ADAPTORS			EQUAL THREADED TEES 90°		
> SOCKET - FEMALE THREAD, WITH METAL REINFORCING RING			> SOCKET - FEMALE THREAD BRANCH, WITH METAL REINFORCING RING		
Ø x G	Pack	Ref.	Ø x G	Pack•	Ref.
16 x 3/8"	S10•	GAMM16	16 x 1/2"	S10	GATG1612
20 x 1/2"	S10•	GAMM20	20 x 1/2"	S10	GATG2012
25 x 3/4"	S10•	GAMM25	25 x 3/4"	S10	GATG2534
32 x 1"	S10•	GAMM32			
40 x 1"1/4	S10•	GAMM40			
50 x 1"1/2	S10•	GAMM50			
63 x 2"	1	GAMM63			

Exclusively for assemblies with plastic threaded fittings
GAMM cold welding ends can also be used as Spigots with one size interval. Example: GAMM16 = 16 Socket / 20 Spigot.

Exclusively for assemblies with plastic threaded fittings

Threaded fittings

The use of anaerobic resins as a sealant for threaded joints is strictly forbidden.

THREADED ELBOWS 90°

> SOCKET - FEMALE THREAD, WITH METAL REINFORCING RING

Ø x G	Pack •	Ref.
16 x 3/8"	S10	GA4G16
20 x 1/2"	S10	GA4G20
25 x 3/4"	S10	GA4G25



GA4G20

Exclusively for assemblies with plastic threaded fittings

ADAPTOR NIPPLES

> SOCKET - MALE THREAD

Ø x F	Pack	Ref.
16 x 3/8"	S10 •	GAEA16
20 x 1/2"	S10 •	GAEA20
25 x 3/4"	S10 •	GAEA25
32 x 1"	S10 •	GAEA32
40 x 1 1/4"	S10 •	GAEA40
50 x 1 1/2"	S10 •	GAEA50
63 x 2"	1	GAEA63
75 x 2 1/2"	1	GAEA75



GAEA32

Exclusively for assemblies with plastic threaded fittings
NB: The solvent welding ends of GAEA are socket only.

REDUCING ADAPTOR NIPPLES

> SOCKET - MALE THREAD

Ø x F	Pack •	Ref.
16 x 1/2"	S10	GAEB16
20 x 3/4"	S10	GAEB20
25 x 1"	S10	GAEB25
32 x 1 1/4"	S10	GAEB32
40 x 1 1/2"	S10	GAEB40
50 x 2"	S10	GAEB50



GAEB32

Exclusively for assemblies with plastic threaded fittings
NB: The solvent welding ends of GAEB are socket only.

3 PIECE UNIONS

> SOCKET/SOCKET - WITH EPDM GASKET

Ø	Pack	Ref.
16	S10 •	GA3P16
20	S10 •	GA3P20
25	S10 •	GA3P25
32	S10 •	GA3P32
40	S10 •	GA3P40
50	S10 •	GA3P50
63	1	GA3P63



GA3P32

Exclusively for assemblies with plastic threaded fittings

3 PIECE UNIONS GIRAIR® / BRASS

> SOCKET - FEMALE BRASS THREAD, WITH EPDM GASKET

Ø x G	Pack	Ref.
16 x 3/8"	1	GA3G/L16
20 x 1/2"	1	GA3G/L20
25 x 3/4"	1	GA3G/L25
32 x 1"	1	GA3G/L32
40 x 1 1/4"	1	GA3G/L40
50 x 1 1/2"	1	GA3G/L50
63 x 2"	1	GA3G/L63



GA3G-L32

3 PIECE UNIONS

> SOCKET - MALE THREAD, WITH EPDM GASKET

Ø x F	Pack	Ref.
16 x 3/8"	S5 •	GA3F/P16
20 x 1/2"	S5 •	GA3F/P20
25 x 3/4"	S5 •	GA3F/P25
32 x 1"	S5 •	GA3F/P32
40 x 1 1/4"	S5 •	GA3F/P40
50 x 1 1/2"	S5 •	GA3F/P50
63 x 2"	1	GA3F/P63



GA3F-P32

Exclusively for assemblies with plastic threaded fittings

3 PIECE UNIONS GIRAIR® / BRASS

> SOCKET - MALE BRASS THREAD, WITH EPDM GASKETS

Ø x F	Pack	Ref.
16 x 3/8"	1	GA3F/L16*
20 x 1/2"	1	GA3F/L20
25 x 3/4"	1	GA3F/L25
32 x 1"	1	GA3F/L32
40 x 1 1/4"	1	GA3F/L40
50 x 1 1/2"	1	GA3F/L50
63 x 2"	1	GA3F/L63



GA3F/L32

Exclusively for assemblies with plastic threaded fittings

CONNECTORS WITH BRASS NUTS

> SPIGOT - FEMALE BRASS THREAD, WITH EPDM FLAT GASKET,

Ø x G	Pack •	Ref.
16 x 1/2"	S10	GAUR16
20 x 3/4"	S10	GAUR20
25 x 1"	S10	GAUR25
32 x 1 1/4"	S10	GAUR32
40 x 1 1/2"	S10	GAUR40



GAUR20

* Unpackaging with additional cost

Brass threaded fittings for high torque

The use of anaerobic resins as a sealant for threaded joints is strictly forbidden.

THREADED ADAPTORS			THREADED ELBOW 90°		
> SOCKET/SPIGOT - FEMALE BRASS THREAD			> SOCKET - FEMALE BRASS THREAD		
	Ø (F/M) x G	Pack	Ø (F/M) x G	Pack	Ref.
GAMML32	16/20 x 3/8"	S5•	16/20 x 1/2"	S5	GAMML16
	20/25 x 1/2"	S5•			GAMML20
	25/32 x 3/4"	S5•			GAMML25
	32/40 x 1"	S5•			GAMML32
	40/50 x 1"1/4	1			GAMML40
	50/63 x 1"1/2	1			GAMML50
	63/75 x 2"	1			GAMML63
 ADAPTOR NIPPLES			 ADAPTOR NIPPLES		
> SOCKET/SPIGOT - MALE BRASS THREAD			> SOCKET/SPIGOT - MALE BRASS THREAD		
	Ø (F/M) x F	Pack	Ø (F/M) x F	Pack	Ref.
GAEAL32	16/20 x 3/8"	S5•	16/20 x 1/2"	S5	GAEAL16
	20/25 x 1/2"	S5•			GAEAL20
	25/32 x 3/4"	S5•			GAEAL25
	32/40 x 1"	S5•			GAEAL32
	40/50 x 1"1/4	1			GAEAL40
	50/63 x 1"1/2	1			GAEAL50
	63/75 x 2"	1			GAEAL63

Fittings

WALL PLATE ELBOW			ACCESSORIES (ISO 4 414)		
> INLET MALE THREAD F - OUTLET FEMALE THREAD G FOR JOINTING ON PIPE WITH GAUR BRASS CONNECTOR			> MALE THREADED INSTANT FITTING PROFILE: ISO C - Ø INT.: 6 MM		
	f x G	Pack	Ø	Pack	Ref.
GAAP16	1/2" x 3/8"	1	3/8"	1	GHRR38
	3/4" x 1/2"	1	1/2"	1	GHRR12
	1" x 3/4"	1			
 QUICK ADAPTOR: ISO C			 DROP BENDS 180°		
> QUICK NIPPLES FOR Ø 8 MM FLEXIBLE PIPES - Ø INT.: 6 MM			> SPIGOT/SPIGOT (PROFILE P)		
	Ø	Cond.	Ø	Pack	Ref.
	8	1	16	S10	GA2C16
			20	S10	GA2C20
			25	S10	GA2C25
			32	S5	GA2C32
 DROP BENDS			> SPIGOT/SPIGOT (PROFILE S)		
> SPIGOT/SPIGOT (PROFILE P)			> SPIGOT/SPIGOT (PROFILE S)		
	Ø	Pack•	Ø	Pack	Ref.
GA2C20	16	S10	20	1	Q2S20
	20	S10			
	25	S10			
	32	S5			
					
Q2S20					

Fittings

The use of anaerobic resins as a sealant for threaded joints is strictly forbidden.

WALL PLATES

> WITH 4 OUTLETS

	Inlet G	Outlet G	Pack	Ref.
	12G4	1/2	4 x 1/2"	1 GAAP12G4
	34G4	3/4	4 x 1/2"	1 GAAP34G4

GAAP12G4

WALL PLATES

> WITH 4 OUTLETS AND DRAIN

	Inlet G	Outlet G	Pack	Ref.
	12G4	1/2	4 x 1/2"	1 GAAP12G4P
	34G4	3/4	4 x 1/2"	1 GAAP34G4P

GAAP12G4P

WALL PLATES

> WITH 2 OR 3 OUTLETS AND WEDGE ADAPTOR

	Inlet G	Outlet G	Pack	Ref.
	12G2	1/2	2 x 1/2"	1 GAAP12G2
	34G3	3/4	3 x 1/2"	1 GAAP34G3

GAAP34G3

Ball valves

DOUBLE UNION BALL VALVES

> SOCKET/SOCKET - O-RING GASKETS: EPDM, BALL SEAT PTFE

Ø	Pack	Ref.
16	1	GA2MBE16
20	1	GA2MBE20
25	1	GA2MBE25
32	1	GA2MBE32
40	1	GA2MBE40
50	1	GA2MBE50
63	1	GA2MBE63

GA2MBE32



FLANGED SOCKET BALL VALVES

> SOCKET/SOCKET - O-RING GASKETS: EPDM, BALL SEAT PTFE

Ø	Pack	Ref.
75	1	GA2MFE75
90	1	GA2MFE90
110	1	GA2MFE11



GA2MFE90

For the valves in Ø 75, 90 and 110, it is forbidden to dismantle the backing plates.

Please consult us before ordering ball valves with pneumatic or electric actuators.

Accessories

Spare parts for older generations of valves.

STUB SOCKETS GIRAIR®

> STUB SOCKETS

Ø	Pack	Ref.
16	1	COLGA2MBE16
20	1	COLGA2MBE20
25	1	COLGA2MBE25
32	1	COLGA2MBE32
40	1	COLGA2MBE40
50	1	COLGA2MBE50
63	1	COLGA2MBE63

GOLGA2MBE32



BACKING NUTS GIRAIR®

> BACKING NUTS

Ø	Pack	Ref.
16	1	ECGA2MBE1620
20	1	ECGA2MBE1620
25	1	ECRGA2MBE25
32	1	ECRGA2MBE32
40	1	ECRGA2MBE40
50	1	ECRGA2MBE50
63	1	ECRGA2MBE63



ECRGA2MBE32

HANDLE GIRAIR®

> HANDLE

Ø	Pack	Ref.
25	1	POV25N



POV25N

• Unpackaging with additional cost

