

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

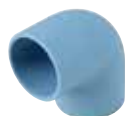
> CHAMFERED AT BOTH ENDS, IN 4 METER LENGTHS. WRAPPED IN PLASTIC SLEEVES



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.	Ref.
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


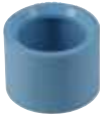




GABO32

Ø	Pack	Ref.
16	S10*	GABO16
20	S10*	GABO20
25	S10*	GABO25
32	S10*	GABO32
40	S10*	GABO40
50	S10*	GABO50
63	1	GABO63
75	1	GABO75
90	1	GABO90
110	1	GABO110



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 Spigotots, 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,



GA4G20

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

Exclusively for assemblies with plastic threaded fittings

ADAPTOR NIPPLES

> SOCKET - MALE THREAD



GAEA32

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

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

REDUCING ADAPTOR NIPPLES

> SOCKET - MALE THREAD



GAEB32

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

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



GA3P32

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

Exclusively for assemblies with plastic threaded fittings

3 PIECE UNIONS GIRAIR® / BRASS

> SOCKET - FEMALE BRASS THREAD, WITH EPDM GASKET



GA3G-L32

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

3 PIECE UNIONS

> SOCKET - MALE THREAD, WITH EPDM GASKET



GA3F-P32

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

Exclusively for assemblies with plastic threaded fittings

3 PIECE UNIONS GIRAIR® / BRASS

> SOCKET - MALE BRASS THREAD, WITH EPDM GASKETS



GA3F/L32

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

Exclusively for assemblies with plastic threaded fittings

CONNECTORS WITH BRASS NUTS

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







GAUR20

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



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	Ref.		Ø (F/M) x G	Pack*	Ref.
	16/20 x 3/8"	S5*	GAMML16		20 x 1/2"	S5	GA4GL20
	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				
GAMML32				GA4GL20			

ADAPTOR NIPPLES				ADAPTOR NIPPLES			
> SOCKET/SPIGOT - MALE BRASS THREAD				> SOCKET/SPIGOT - MALE BRASS THREAD			
	Ø (F/M) x F	Pack	Ref.		Ø (F/M) x F	Pack*	Ref.
	16/20 x 3/8"	S5*	GAEAL16		16/20 x 1/2"	S5	GAEAL16
	20/25 x 1/2"	S5*	GAEAL20		25/32 x 1"	S5	GAEAL25
	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				
GAEAL32				GAEAL25			

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	Ref.		Ø	Pack	Ref.
	1/2" x 3/8"	1	GAAP16		3/8"	1	GHRR38
	3/4" x 1/2"	1	GAAP20		1/2"	1	GHRR12
	1" x 3/4"	1	GAAP25				
GAAP16				GHRR12			

QUICK ADAPTOR: ISO C			
> QUICK NIPPLES FOR Ø 8 MM FLEXIBLE PIPES - Ø INT.: 6 MM			
	Ø	Cond.	Ref.
	8	1	GHES8


DROP BENDS 180°				DROP BENDS			
> SPIGOT/SPIGOT (PROFILE P)				> SPIGOT/SPIGOT (PROFILE S)			
	Ø	Pack*	Ref.		Ø	Pack	Ref.
	16	S10	GA2C16		20	1	Q2S20
	20	S10	GA2C20				
	25	S10	GA2C25				
	32	S5	GA2C32				
GA2C20				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
	34G4	3/4	4 x 1/2"	1
				GAAP12G4
				GAAP34G4

GAAP12G4

WALL PLATES


> WITH 4 OUTLETS AND DRAIN

	Inlet G	Outlet G	Pack	Ref.
	12G4	1/2	4 x 1/2"	1
	34G4	3/4	4 x 1/2"	1
				GAAP12G4P
				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
	34G3	3/4	3 x 1/2"	1
				GAAP12G2
				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

COLGA2MBE32

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