

GIRAIR®



safety for your pipeworks



**For compressed air distribution
solvent cementing with fast curing
welding polymer**

- Compressed air distribution
- Centralized vacuum network
- Industrial neutral gas distribution
(like nitrogen)



No corrosion
Clean air



Solvent cementing
with fast curing
welding polymer

Bs2d0

Fire classification:
Bs2d0



Installation time
under control




Recyclability*

- **Blue colour as per NF A 571.**
- Maximum working pressure : 12.5 bar at 25°C.
- Excellent resistance to impacts.
- Please refer to our GIRAIR literature for more details.
- Dimensions as per NF-E 1452.
- Fire rating: Bs2d0 (LNE test) - Euroclasses classification.
- Assembly by fast-curing cement. Always use GIRFIX welding polymer.
- * The **GIRAIR®** system is made from totally recyclable materials.
- **The use of anaerobic resins as a sealant for threaded joints is strictly forbidden.**


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.

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


PIPES, chamfered at both ends, in 4 meter lengths

| | DN (outside Ø) | Ref. | Pipe length (m) | Minimum W.thickness (mm) | Pack (Lg) |
|----------------------------------------------------------------------------------|----------------|----------|-----------------|--------------------------|-----------|
|  | 16 | TUBGA16 | 4 | 1,8 | 10 |
| | 20 | TUBGA20 | 4 | 2,3 | 10 |
| | 25 | TUBGA25 | 4 | 2,8 | 10 |
| | 32 | TUBGA32 | 4 | 2,9 | 10 |
| | 40 | TUBGA40 | 4 | 3,7 | 10 |
| | 50 | TUBGA50 | 4 | 4,6 | 5 |
| | 63 | TUBGA63 | 4 | 5,8 | 1 |
| | 75 | TUBGA75 | 4 | 6,8 | 1 |
| | 90 | TUBGA90 | 4 | 8,2 | 1 |
| | 110 | TUBGA110 | 4 | 10,00 | 1 |


ELBOWS 90° Soc.

| | Ø | Ref. | Pack |
|------------------------------------------------------------------------------------|-----|---------|------|
|  | 16 | GA4M16 | S 10 |
| | 20 | GA4M20 | S 10 |
| | 25 | GA4M25 | S 10 |
| | 32 | GA4M32 | S 10 |
| | 40 | GA4M40 | S 10 |
| | 50 | GA4M50 | S 10 |
| | 63 | GA4M63 | 1 |
| | 75 | GA4M75 | 1 |
| | 90 | GA4M90 | 1 |
| | 110 | GA4M110 | 1 |


DROP BENDS 180° Spig.

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|----|--------|------|
|  | 16 | GA2C16 | S 10 |
| | 20 | GA2C20 | S 10 |
| | 25 | GA2C25 | S 10 |
| | 32 | GA2C32 | S 5 |


BENDS 90° Soc.

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|-----|---------|------|
|  | 50 | GA4C50 | S 10 |
| | 63 | GA4C63 | 1 |
| | 75 | GA4C75 | 1 |
| | 90 | GA4C90 | 1 |
| | 110 | GA4C110 | 1 |

ELBOWS 45° Soc.

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|-----|---------|------|
|  | 16 | GA8M16 | S 10 |
| | 20 | GA8M20 | S 10 |
| | 25 | GA8M25 | S 10 |
| | 32 | GA8M32 | S 10 |
| | 40 | GA8M40 | S 10 |
| | 50 | GA8M50 | S 10 |
| | 63 | GA8M63 | 1 |
| | 75 | GA8M75 | 1 |
| | 90 | GA8M90 | 1 |
| | 110 | GA8M110 | 1 |

COUPLINGS Soc.

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|-----|---------|------|
|  | 16 | GAMA16 | S 10 |
| | 20 | GAMA20 | S 10 |
| | 25 | GAMA25 | S 10 |
| | 32 | GAMA32 | S 10 |
| | 40 | GAMA40 | S 10 |
| | 50 | GAMA50 | S 10 |
| | 63 | GAMA63 | 1 |
| | 75 | GAMA75 | 1 |
| | 90 | GAMA90 | 1 |
| | 110 | GAMA110 | 1 |

Pressure System

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

EQUAL TEES 90° Soc.



| Ø | Ref. | Pack |
|-----|---------|------|
| 16 | GATE16 | S 10 |
| 20 | GATE20 | S 10 |
| 25 | GATE25 | S 10 |
| 32 | GATE32 | S 10 |
| 40 | GATE40 | S 10 |
| 50 | GATE50 | S 10 |
| 63 | GATE63 | 1 |
| 75 | GATE75 | 1 |
| 90 | GATE90 | 1 |
| 110 | GATE110 | 1 |

CAPS Soc.



| Ø | Ref. | Pack |
|-----|---------|------|
| 16 | GABO16 | S 10 |
| 20 | GABO20 | S 10 |
| 25 | GABO25 | S 10 |
| 32 | GABO32 | S 10 |
| 40 | GABO40 | S 10 |
| 50 | GABO50 | S 10 |
| 63 | GABO63 | 1 |
| 75 | GABO75 | 1 |
| 90 | GABO90 | 1 |
| 110 | GABO110 | 1 |

TEES REDUCED 90° Soc.



| Ø/øR | Ref. | Pack |
|--------|----------|------|
| 20/16 | GATR2016 | S 10 |
| 25/16 | GATR2516 | S 10 |
| 25/20 | GATR2520 | S 10 |
| 32/16 | GATR3216 | S 10 |
| 32/20 | GATR3220 | S 10 |
| 32/25 | GATR3225 | S 10 |
| 40/20 | GATR4020 | S 10 |
| 40/25 | GATR4025 | S 10 |
| 40/32 | GATR4032 | S 10 |
| 50/25 | GATR5025 | S 10 |
| 50/32 | GATR5032 | S 10 |
| 50/40 | GATR5040 | S 10 |
| 63/25 | GATR6325 | 1 |
| 63/32 | GATR6332 | 1 |
| 63/40 | GATR6340 | 1 |
| 75/25 | GATR7525 | 1 |
| 75/32 | GATR7532 | 1 |
| 75/40 | GATR7540 | 1 |
| 90/25 | GATR9025 | 1 |
| 90/32 | GATR9032 | 1 |
| 90/40 | GATR9040 | 1 |
| 110/32 | GATR1132 | 1 |
| 110/40 | GATR1140 | 1 |
| 110/50 | GATR1150 | 1 |

REDUCING BUSHES LONG PATTERN

Spig. (Ø) x Soc. (øR)



| Ø/øR | Ref. | Pack |
|--------|----------|------|
| 25/16 | GARD2516 | S 10 |
| 32/20 | GARD3220 | S 10 |
| 40/25 | GARD4025 | S 10 |
| 50/32 | GARD5032 | S 10 |
| 63/25 | GARD6325 | 1 |
| 63/32 | GARD6332 | 1 |
| 63/40 | GARD6340 | 1 |
| 75/32 | GARD7532 | 1 |
| 75/40 | GARD7540 | 1 |
| 75/50 | GARD7550 | 1 |
| 90/40 | GARD9040 | 1 |
| 90/50 | GARD9050 | 1 |
| 90/63 | GARD9063 | 1 |
| 110/50 | GARD1150 | 1 |
| 110/63 | GARD1163 | 1 |

NB : reducer's large ends for references GARD 32 to 110 (except GARD 7532, 7540 and 7550) can be used as sockets and spigots, with one size interval. Small ends are socket only. e. g. : GARD 90/63 = 90 SPIG. + 75 SOC. / 63 SOC.

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

REDUCING BUSHES SHORT PATTERN

Spig. (Ø) x Soc. (øR)



| Ø/øR | Ref. | Pack |
|--------|---------|------|
| 20/16 | GARS20 | S 10 |
| 25/20 | GARS25 | S 10 |
| 32/25 | GARS32 | S 10 |
| 40/32 | GARS40 | S 10 |
| 50/40 | GARS50 | S 10 |
| 63/50 | GARS63 | 1 |
| 75/63 | GARS75 | 1 |
| 90/75 | GARS90 | 1 |
| 110/90 | GARS110 | 1 |

ADAPTOR NIPPLES FOR HIGH TORQUE

Soc. x male brass thread



| Ø (F/M) x f | Ref. | Pack |
|---------------|---------|------|
| 16/20 x 3/8" | GAEAL16 | S 5 |
| 20/25 x 1/2" | GAEAL20 | S 5 |
| 25/32 x 3/4" | GAEAL25 | S 5 |
| 32/40 x 1" | GAEAL32 | S 5 |
| 40/50 x 1"1/4 | GAEAL40 | 1 |
| 50/63 x 1"1/2 | GAEAL50 | 1 |
| 63/75 x 2" | GAEAL63 | 1 |

SERRATED STUB FLANGES Soc.

for use with EPDM flat gasket, delivered without flat gaskets



| Ø/øR | Ref. | Pack |
|------|---------|------|
| 50 | GACS50 | S 10 |
| 63 | GACS63 | S 1 |
| 75 | GACS75 | S 1 |
| 90 | GACS90 | S 1 |
| 110 | GACS110 | S 1 |

ADAPTOR NIPPLES FOR HIGH TORQUE

Soc. x male brass thread



| Ø (F/M) x f | Ref. | Pack |
|--------------|---------|------|
| 16/20 x 1/2" | GAEBL16 | S 5 |
| 25/32 x 1" | GAEBL25 | S 5 |

THREADED ADAPTORS FOR HIGH TORQUE

Soc. x female brass thread



| Ø (F/M) x G | Ref. | Pack |
|---------------|---------|------|
| 16/20 x 3/8" | GAMML16 | S 5 |
| 20/25 x 1/2" | GAMML20 | S 5 |
| 25/32 x 3/4" | GAMML25 | S 5 |
| 32/40 x 1" | GAMML32 | S 5 |
| 40/50 x 1"1/4 | GAMML40 | 1 |
| 50/63 x 1"1/2 | GAMML50 | 1 |
| 63/75 x 2" | GAMML63 | 1 |

ADAPTOR SOCKETS with metal reinforcing ring

Soc. x female thread



| Ø x G | Ref. | Pack |
|------------|--------|------|
| 16 x 3/8" | GAMM16 | S 10 |
| 20 x 1/2" | GAMM20 | S 10 |
| 25 x 3/4" | GAMM25 | S 10 |
| 32 x 1" | GAMM32 | S 10 |
| 40 x 1"1/4 | GAMM40 | S 10 |
| 50 x 1"1/2 | GAMM50 | S 10 |
| 63 x 2" | GAMM63 | 1 |
| 75 x 2"1/2 | GAMM75 | 1 |

THREADED ELBOWS 90° FOR HIGH TORQUE

Soc. x female brass thread




| Ø (F/M) x G | Ref. | Pack |
|-------------|---------|------|
| 16 x 1/2" | GA4GL16 | S 5 |
| 20 x 1/2" | GA4GL20 | S 5 |

NB : GAMM cold welding ends can also be used as spigots with one size interval. e. g. : GAMM16 = 16 SOC. / 20 SPIG.


Pressure System

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

ADAPTOR NIPPLES▲ Soc. x male thread


| | Ø x f | Ref. | Pack |
|-----------------------------------------------------------------------------------|-------------|--------|------|
|  | 16 x 3/8" | GAEA16 | S 10 |
| | 20 x 1/2" | GAEA20 | S 10 |
| | 25 x 3/4" | GAEA25 | S 10 |
| | 32 x 1" | GAEA32 | S 10 |
| | 40 x 1 1/4" | GAEA40 | S 10 |
| | 50 x 1 1/2" | GAEA50 | S 10 |
| | 63 x 2" | GAEA63 | 1 |
| | 75 x 2 1/2" | GAEA75 | 1 |

REDUCING ADAPTOR NIPPLES▲ Soc. x male thread


| | Ø x f | Ref. | Pack |
|-------------------------------------------------------------------------------------|-------------|--------|------|
|  | 16 x 1/2" | GAEB16 | S 10 |
| | 20 x 3/4" | GAEB20 | S 10 |
| | 25 x 1" | GAEB25 | S 10 |
| | 32 x 1 1/4" | GAEB32 | S 10 |
| | 40 x 1 1/2" | GAEB40 | S 10 |
| | 50 x 2" | GAEB50 | S 10 |

NB : GAMM cold welding ends can also be used as spigots with one size interval. e. g. : GAMM16 = 16 SOC. / 20 SPIG.

EQUAL THREADED TEES 90°▲ with metal reinforcing ring Soc. x female thread branch


| | Ø x G | Ref. | Pack |
|-------------------------------------------------------------------------------------|-----------|----------|------|
|  | 16 x 1/2" | GATG1612 | S 10 |
| | 20 x 1/2" | GATG2012 | S 10 |
| | 25 x 3/4" | GATG2534 | S 10 |

THREADED ELBOWS 90°▲ with metal reinforcing ring Soc. x female thread


| | Ø x G | Ref. | Pack |
|-------------------------------------------------------------------------------------|-----------|--------|------|
|  | 16 x 3/8" | GA4G16 | S 10 |
| | 20 x 1/2" | GA4G20 | S 10 |
| | 25 x 3/4" | GA4G25 | S 10 |

▲ Exclusively for assemblies with plastic threaded fittings


3 PIECE UNIONS▲ with EPDM gasket Soc. x Soc.

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|--------|------|
|  | 16 | GA3P16 | S 10 |
| | 20 | GA3P20 | S 10 |
| | 25 | GA3P25 | S 10 |
| | 32 | GA3P32 | S 10 |
| | 40 | GA3P40 | S 10 |
| | 50 | GA3P50 | S 10 |
| | 63 | GA3P63 | 1 |

3 PIECES UNIONS▲ with EPDM gasket Soc. x male thread

| | Ø x f | Ref. | Pack |
|-------------------------------------------------------------------------------------|-------------|----------|------|
|  | 16 x 3/8" | GA3F/P16 | S 5 |
| | 20 x 1/2" | GA3F/P20 | S 5 |
| | 25 x 3/4" | GA3F/P25 | S 5 |
| | 32 x 1" | GA3F/P32 | S 5 |
| | 40 x 1 1/4" | GA3F/P40 | S 5 |
| | 50 x 1 1/2" | GA3F/P50 | S 5 |
| | 63 x 2" | GA3F/P63 | 1 |

3 PIECE UNIONS GIRAIR x BRASS with EPDM gaskets Soc. x female brass thread

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

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3 PIECE UNIONS GIRAIR x BRASS with EPDM gaskets Soc. x male brass thread



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

CONNECTORS with brass nuts for use with EPDM flat gasket Spig. x female brass thread



| Ø x G | Ref. | Pack |
|------------|--------|------|
| 16 x 1/2" | GAUR16 | S 10 |
| 20 x 3/4" | GAUR20 | S 10 |
| 25 x 1" | GAUR25 | S 10 |
| 32 x 1"1/4 | GAUR32 | S 10 |
| 40 x 1"1/2 | GAUR40 | S 10 |
| 50 x 2" | GAUR50 | S 10 |

WALL PLATE ELBOW for jointing on pipe with brass connector Inlet male thread f - outlet female thread G



| f x G | Ref. | Pack |
|-------------|--------|------|
| 1/2" x 3/8" | GAAP16 | 1 |
| 3/4" x 1/2" | GAAP20 | 1 |
| 1" x 3/4" | GAAP25 | 1 |

We also recommend the use of Quickair® wall plate with cale 1225 under monoklip®.

QUICK ADAPTOR : ISO C

quick nipples for Ø 8 mm flexible pipes - Ø int. : 6 mm



| Ø | Ref. | Pack |
|---|-------|------|
| 8 | GHE58 | 1 |

ACCESSORIES (ISO 4 414)

male threaded instant fitting Ø int. 6 mm - profil : ISO C



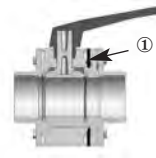
| Ø | Ref. | Pack |
|------|--------|------|
| 3/8" | GHRR38 | 1 |
| 1/2" | GHRR12 | 1 |

FLANGED SOCKET BALL VALVES Soc. x Soc.

ball seat : PTFE, O-ring gaskets : EPDM



| Ø | Ref. | Pack |
|-----|----------|------|
| 75 | GA2MFE75 | F 1 |
| 90 | GA2MFE90 | F 1 |
| 110 | GA2MFE11 | F 1 |



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

DOUBLE UNION BALL VALVES

ball seat : PTFE, O-ring gaskets : EPDM Soc. x Soc.




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


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

Pressure System


MONOKLIP® BRACKETS - M6 - Ø 16 to 20

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|---------|------|
|  | 16 | HCK16/6 | S 50 |
| | 20 | HCK20/6 | S 50 |


MONOKLIP® BRACKETS - 7 x 150 - Ø 16 to 20

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|---------|------|
|  | 16 | HCK16/7 | S 50 |
| | 20 | HCK20/7 | S 50 |


MONOKLIP® BRACKET - Ø 25 - Drilled base Ø 5,5 mm black (for use with CALE 3263 wedges)

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|-----------|------|
|  | 25 | HCKCP25/5 | S 50 |

MONOKLIP® BRACKETS M6 - Ø 25 to 63 black (zamack inserts for use with CALE 3263 wedges)

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|----|----------|------|
|  | 25 | HCKC25/6 | S 50 |
| | 32 | HCKC32/6 | S 25 |
| | 40 | HCKC40/6 | S 25 |
| | 50 | HCKC50/6 | S 25 |
| | 63 | HCKC63/6 | S 25 |


MONOKLIP® BRACKETS insert M8 for use with CALE 75110

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|-----|-----------|------|
|  | 75 | HCKC75/8 | 1 |
| | 90 | HCKC90/8 | 1 |
| | 110 | HCKC110/8 | 1 |


MONOKLIP® BRACKETS - M8 - Ø 16 to 20

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|---------|------|
|  | 16 | HCK16/8 | S 50 |
| | 20 | HCK20/8 | S 50 |


MONOKLIP® BRACKETS - Drilled base Ø 5,5 mm

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|----------|------|
|  | 16 | HCKP16/5 | S 50 |
| | 20 | HCKP20/5 | S 50 |

MONOKLIP® BRACKETS 7 x 150 - Ø 25 to 63 black (zamack inserts for use with CALE 3263 wedges)

| | Ø | Ref. | Pack |
|-----------------------------------------------------------------------------------|----|----------|------|
|  | 25 | HCKC25/7 | S 50 |
| | 32 | HCKC32/7 | S 25 |
| | 40 | HCKC40/7 | S 25 |
| | 50 | HCKC50/7 | S 25 |
| | 63 | HCKC63/7 | S 25 |

MONOKLIP® BRACKETS M8 - Ø 25 to 63 black (zamack inserts for use with CALE 3263 wedges)

| | Ø | Ref. | Pack |
|-------------------------------------------------------------------------------------|----|----------|------|
|  | 25 | HCKC25/8 | S 50 |
| | 32 | HCKC32/8 | S 25 |
| | 40 | HCKC40/8 | S 25 |
| | 50 | HCKC50/8 | S 25 |
| | 63 | HCKC63/8 | S 25 |

ACCESSORIES

CHAMFERING CONES



See p. 102

WELDING POLYMER



See p. 98

FLANGES

Glass fibre reinforced polyester or polyamide



See p. 102

WEDGES



See p. 100

WALL PLATE WITH 3 OUTLETS AND WEDGE ADAPTOR



See p. 38

WALL PLATE WITH 4 OUTLETS



See p. 38

WALL PLATE WITH 4 OUTLETS



See p. 38

NEW

WALL PLATE WITH 1 OUTLET



See p. 38