

KRYOCLIM®, COMPLETE SOLUTION FOR CONVEYING CHILLED FLUIDS AND AIR CONDITIONING

The KRYOCLIM® system was designed to carry out all secondary (indirect) refrigeration and comfort cooling installations between - 30° and + 40. It offers a number of advantages that meet the constraints of air-conditioning networks.

The KRYOCLIM® is a complete system, specifically 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

- Centralised air conditioning residential/tertiary: cold alone and cold circuit of 4-tube reversible systems.
- Food industry: comfort cooling, refrigerated warehouses, industrial kitchens, food processing industry...
- Industry applications: comfort cooling, Industrial cooling applications.

PERFORMANCE

- Fully corrosion resistant,
- Limited condensation.
- Control of installation times, ease of installation on occupied site.
- Construction site without flame.
- Energy savings.
- Reduced pressures losses & frictional losses.
- Impact resistance even at low temperatures.
- Assembled by cold welding. Use exclusively the welding polymer (references 3FIXP and 3FIXB). Exclusively use specific CLEANER + from GIRPI for preparation phases.
- Completely recyclable material.

INTERNATIONAL CERTIFICATIONS

- French ATEC n°14.1/14-1997 from Ø 20 to Ø 160.
- PN 10 from Ø 16 to Ø 160, PN 6 Ø 200.
- Non-flammable: B-s1,d0 (Euroclasses classification).
- Dimensions complying with standard EN 1452.
- Meets the requirements of fire regulations for institutions receiving the public site.



Pipes - Fittings

PIPES

> CHAMFERED AT BOTH ENDS, IN 4 METER LENGTHS, PN10 FROM Ø 20 TO Ø 160, PN6 Ø 200. Wrapped in plastic sleeves



TUBF40

DN (outside Ø)	Pipe length (m)	Min. Wall Thickness (mm)	Pack (Lg)	Ref.
20	4	2,3	10°	TUBF20
25	4	2,3	10°	TUBF25
32	4	2,4	10°	TUBF32
40	4	3,0	10°	TUBF40
50	4	3,7	5°	TUBF50
63	4	4,7	3°	TUBF63
75	4	5,6	2	TUBF75
90	4	6,7	1	TUBF90
110	4	8,1	1	TUBF110
160	4	11,8	1	TUBF160
200	4	11,9	1	TUBF200

ELBOWS 90°

> SOCKET/SOCKET



F4M50

Ø	Pack	Ref.
20	S10°	F4M20
25	S10°	F4M25
32	S10°	F4M32
40	S10°	F4M40
50	S10°	F4M50
63	1	F4M63
75	1	F4M75
90	1	F4M90
110	1	F4M110
160	1	F4M160
200	1	F4M200

ELBOWS 45°

> SOCKET/SOCKET



F8M32

Ø	Pack	Ref.
20	S10°	F8M20
25	S10°	F8M25
32	S10°	F8M32
40	S10°	F8M40
50	S10°	F8M50
63	1	F8M63
75	1	F8M75
90	1	F8M90
110	1	F8M110
160	1	F8M160
200	1	F8M200

ELBOWS 90° WITH THREADED BRASS INSERT

> SOCKET/SOCKET - FEMALE BRASS THREAD



F4MI5012

Ø x G	Pack	Ref.
50 x 1/2"	1	F4MI5012
63 x 1/2"	1	F4MI6312

COUPLINGS

> SOCKET/SOCKET



FMA50

Ø	Pack	Ref.
20	S10°	FMA20
25	S10°	FMA25
32	S10°	FMA32
40	S10°	FMA40
50	S10°	FMA50
63	1	FMA63
75	1	FMA75
90	1	FMA90
110	1	FMA110
160	1	FMA160
200	1	FMA200

PLAIN NIPPLES

> SPIGOT/SPIGOT



FMC25

Length in mm	Pack	Ref.
20 x 37	S10	FMC20
25 x 42	S10	FMC25

Fittings

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

EQUAL TEES 90°

> SOCKET/SOCKET

Ø	Pack	Ref.	Ø	Pack	Ref.
20	S10*	FTE20	75	1	FTE75
25	S10*	FTE25	90	1	FTE90
32	S10*	FTE32	110	1	FTE110
40	S10*	FTE40	160	1	FTE160
50	S10*	FTE50	200	1	FTE200
63	1	FTE63			



FTE32



FTE110

REDUCING TEE WITH MALE TREADED BRASS INSERT 1/2"

> REDUCING TEE

Ø x f	Pack	Ref.	Ø x f	Pack	Ref.
32 x 1/2"	1	FTFRL3212	32 x 3/4"	1	FTFRL3234
40 x 1/2"	1	FTFRL4012	40 x 3/4"	1	FTFRL4034
50 x 1/2"	1	FTFRL5012	50 x 3/4"	1	FTFRL5034
63 x 1/2"	1	FTFRL6312	63 x 3/4"	1	FTFRL6334



FTFRL5012

REDUCING TEE WITH MALE TREADED BRASS INSERT 3/4"

> REDUCING TEE



FTFRL3234

THREADED 90° TEES WITH BRASS INSERT

> SOCKET - FEMALE BRASS THREAD BRANCH

Ø x G	Pack	Ref.	Ø	Pack	Ref.
32 x 1/2"	1	FTGRL3212	50	1	FCS50
40 x 1/2"	1	FTGRL4012	63	1	FCS63
50 x 1/2"	1	FTGRL5012	75	1	FCS75
63 x 1/2"	1	FTGRL6312	90	1	FCS90



FTGRL5012

SERRATED STUB FLANGES

> SOCKET - FOR USE WITH EPDM FLAT GASKET, WITHOUT GASKET



FCS75

Ø	Pack	Ref.
50	1	FCS50
63	1	FCS63
75	1	FCS75
90	1	FCS90
110	1	FCS110
160	1	FCS160
200	1	FCS200

REDUCING BUSHES LONG PATTERN

> SPIGOT (Ø) / SOCKET (ØR)

Ø/ØR	Pack	Ref.	Ø/ØR	Pack	Ref.
32/20	S10*	FRD3220	90/63	1	FRD9063
40/20	S10*	FRD4020	110/50	1	FRD1150
40/25	S10*	FRD4025	110/63	1	FRD1163
50/32	S10*	FRD5032	110/75	1	FRD1175
63/25	1	FRD6325	160/75	1	FRD1675
63/32	1	FRD6332	160/90	1	FRD1690
63/40	1	FRD6340	160/110	1	FRD1611
75/40	1	FRD7540			
75/50	1	FRD7550			
90/40	1	FRD9040			



FRD6332



FRD1690

NB: Reducers large ends for references FRD 32 to 110 (except FRD 7540 and 7550) can be used as sockets and spigots, with one size interval.
Small ends are sockets only
example: FRD9063 = 90 spigot + 75 socket / 63 socket

REDUCING BUSHES SHORT PATTERN

> SPIGOT (Ø) / SOCKET (ØR)

Ø/ØR	Pack	Ref.	Ø	Pack	Ref.
25/20	S10*	FRS25	20	S10*	FB020
32/25	S10*	FRS32	25	S10*	FB025
40/32	S10*	FRS40	32	S10*	FB032
50/40	S10*	FRS50	40	S10*	FB040
63/50	S5*	FRS63	50	S10*	FB050
75/63	1	FRS75	63	1	FB063
90/75	1	FRS90	75	1	FB075
110/90	1	FRS110	90	1	FB090
200/160	1	FRS200	110	1	FB0110
			160	1	FB0160



FRS50



FB040

Fittings

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

REDUCING TEES 90°

> SOCKET



FTR4025

Ø/ØR	Pack	Ref.
25/20	S10°	FTR2520
32/20	S10°	FTR3220
32/25	S10°	FTR3225
40/20	S10°	FTR4020
40/25	S10°	FTR4025
40/32	S10°	FTR4032
50/20	S10°	FTR5020
50/25	S10°	FTR5025
50/32	S10°	FTR5032
50/40	S10°	FTR5040
63/20	1	FTR6320
63/25	1	FTR6325



FTR1132

Ø	Pack	Ref.
63/32	1	FTR6332
63/40	1	FTR6340
63/50	1	FTR6350
75/25	1	FTR7525
75/40	1	FTR7540
75/63	1	FTR7563
90/25	1	FTR9025
90/40	1	FTR9040
90/75	1	FTR9075
110/32	1	FTR1132
110/50	1	FTR1150
110/90	1	FTR1190

3 PIECE UNIONS

> SOCKET/SOCKET - WITH EPDM GASKET



F3P50

Ø	Pack	Ref.
20	S10°	F3P20
25	S10°	F3P25
32	S10°	F3P32
40	S10°	F3P40
50	S10°	F3P50
63	1	F3P63

3 PIECE UNIONS KRYOCLIM® BRASS

> SOCKET - FEMALE BRASS THREAD, WITH EPDM GASKET



F3G/L32

Ø x G	Pack	Ref.
20 x 1/2"	1	F3G/L20
25 x 3/4"	1	F3G/L25
32 x 1"	1	F3G/L32
40 x 1"1/4	1	F3G/L40
50 x 1"1/2	1	F3G/L50
63 x 2"	1	F3G/L63

PIECE UNIONS KRYOCLIM® BRASS

> SOCKET - MALE BRASS THREAD, WITH EPDM GASKET



F3F/L32

Ø x f	Pack	Ref.
20 x 1/2"	1	F3F/L20
25 x 3/4"	1	F3F/L25
32 x 1"	1	F3F/L32



F3F/L32

Ø x f	Pack	Ref.
40 x 1"1/4	1	F3F/L40
50 x 1"1/2	1	F3F/L50
63 x 2"	1	F3F/L63

Threaded fittings

For high torque.

THREADED ADAPTORS

> SOCKET/SPIGOT - FEMALE BRASS THREAD



FMML40

Ø x G	Pack	Ref.
20/25 x 1/2"	S5°	FMML20
25/32 x 3/4"	S5°	FMML25
32/40 x 1"	S5°	FMML32
40/50 x 1"1/4	1	FMML40
50/63 x 1"1/2	1	FMML50
63/75 x 2"	1	FMML63
75/90 x 2"1/2	1	FMML75
90/110 x 3"	1	FMML90

ADAPTOR NIPPLES

> SOCKET/SPIGOT - MALE BRASS THREAD



FEAL40

Ø x f	Pack	Ref.
20/25 x 1/2"	S5°	FEAL20
25/32 x 3/4"	S5°	FEAL25
32/40 x 1"	S5°	FEAL32
40/50 x 1"1/4	1	FEAL40
50/63 x 1"1/2	1	FEAL50
63/75 x 2"	1	FEAL63
75/90 x 2"1/2	1	FEAL75
90/110 x 3"	1	FEAL90

• Unpackaging with additional cost



Fittings

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

ADAPTORS FOR MEASURING ACCESSORIES WITH 1/2" THREAD

> SOCKET - FEMALE BRASS THREAD BRANCH

Ø	Pack	Ref.
110	1	FMIL110/12
160	1	FMIL160/12
		Special order



FLMIL110/12

ADAPTORS FOR MEASURING ACCESSORIES WITH 3/4" THREAD

> SOCKET - FEMALE BRASS THREAD BRANCH

Ø	Pack	Ref.
110	1	FMIL110/34
160	1	FMIL160/34
		Special order



FLMIL110/34

CONDENSATE RECOVERY COUPLINGS

> CONDENSATE RECOVERY COUPLINGS

Ø	Pack	Ref.
32 x 16	200	APC32/16
40 x 16	100	APC40/16



APC40/16

Valves

DOUBLE UNION BALL VALVES

> SOCKET - EPDM GASKET, FOR AIR CONDITIONING (> 5°C)

Ø	Pack	Ref.
20	1	VFCEP20
25	1	VFCEP25
32	1	VFCEP32
40	1	VFCEP40
50	1	VFCEP50
63	1	VFCEP63



VFCEP32

FLANGED SOCKET BALL VALVES

> SOCKET - EPDM GASKETS, FOR AIR CONDITIONING (> 5°C)

Ø	Pack	Ref.	€ HT
75	1	VFFEP75	
90	1	VFFEP90	
110	1	VFFEP110	



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

FLANGE KITS FOR "COMP" BELLows

> STUB FLANGE + BACKING RING + BOLTS + WASHERS

Ø	Pack	Ref.
50	1	FKITCOMP50
63	1	FKITCOMP63
75	1	FKITCOMP75
90	1	FKITCOMP90
110	1	FKITCOMP110
160		FKITCOMP160



FKITCOMP90

LINEAR EXPANSION COMPENSATORS PN16

> BELLOW TYPE, MADE FROM RUBBER, FOR COLD AND HOT WATER

Ø	Poids (kg)	Pack	Ref.
50	3,3	1	COMP50
63	4,1	1	COMP63
75	4,5	1	COMP75
90	5,5	1	COMP90
110	6,6	1	COMP110
160	11,4	1	COMP160



COMP110



BLUE type 49: inside lining BUTYL

Do not use this version for compressed air or chemicals.



Find our welding polymer, Cleaner, tools, supporting,... p. 63

Accessories

Spare parts for older generations of valves.

STUB SOCKETS KRYOCLIM®

> STUB SOCKETS



COLVFCEP32

Ø	Pack	Ref.
20	1	COLVFCEP20
25	1	COLVFCEP25
32	1	COLVFCEP32
40	1	COLVFCEP40
50	1	COLVFCEP50
63	1	COLVFCEP63

BACKING NUTS KRYOCLIM®

> BACKING NUTS



ECRVFCEP25

Ø	Pack	Ref.
20	1	ECRVFCEP20
25	1	ECRVFCEP25
32	1	ECRVFCEP32
40	1	ECRVFCEP40
50	1	ECRVFCEP50
63	1	ECRVFCEP63

HANDLE KRYOCLIM®

> HANDLE



POV25N

Ø	Pack	Ref.
25	1	POV25N