

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, industrials 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.
	32 x 1/2"	1	FTFRL3212
	40 x 1/2"	1	FTFRL4012
	50 x 1/2"	1	FTFRL5012
	63 x 1/2"	1	FTFRL6312
FTFRL5012			


REDUCING TEE WITH MALE TREADED BRASS INSERT 3/4"

> REDUCING TEE

	Ø x f	Pack	Ref.
	32 x 3/4"	1	FTFRL3234
	40 x 3/4"	1	FTFRL4034
	50 x 3/4"	1	FTFRL5034
	63 x 3/4"	1	FTFRL6334
FTFRL3234			


THREADED 90° TEES WITH BRASS INSERT

> SOCKET - FEMALE BRASS THREAD BRANCH

	Ø x G	Pack	Ref.
	32 x 1/2"	1	FTGRL3212
	40 x 1/2"	1	FTGRL4012
	50 x 1/2"	1	FTGRL5012
	63 x 1/2"	1	FTGRL6312
FTGRL5012			

SERRATED STUB FLANGES

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

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

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.
	25/20	S10*	FRS25
	32/25	S10*	FRS32
	40/32	S10*	FRS40
	50/40	S10*	FRS50
	63/50	S5*	FRS63
	75/63	1	FRS75
	90/75	1	FRS90
	110/90	1	FRS110
	200/160	1	FRS200
FRS50			

CAPS

> SOCKET

	Ø	Pack	Ref.
	20	S10*	FB020
	25	S10*	FB025
	32	S10*	FB032
	40	S10*	FB040
	50	S10*	FB050
	63	1	FB063
	75	1	FB075
	90	1	FB090
	110	1	FB0110
	160	1	FB0160
FB040			

Fittings

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

REDUCING TEES 90°

> SOCKET

	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


FTR4025

	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

FTR1132

3 PIECE UNIONS


> SOCKET/SOCKET - WITH EPDM GASKET

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

F3P50

3 PIECE UNIONS KRYOCLIM® BRASS


> SOCKET - FEMALE BRASS THREAD, WITH EPDM GASKET

	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


F3G/L32

PIECE UNIONS KRYOCLIM® BRASS

> SOCKET - MALE BRASS THREAD, WITH EPDM GASKET

	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


F3F/L32

Threaded fittings

For high torque.

THREADED ADAPTORS


> SOCKET/SPIGOT - FEMALE BRASS THREAD

	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

FMML40

ADAPTOR NIPPLES

> SOCKET/SPIGOT - MALE BRASS THREAD

	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


FEAL40

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

FLML110/12

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

FLML110/34

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

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

COLVFCEP32

BACKING NUTS KRYOCLIM®

> BACKING NUTS

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

ECRVFCEP25

HANDLE KRYOCLIM®

> HANDLE

	Ø	Pack	Ref.
	25	1	POV25N

POV25N