

Features

- **Connection system:** screw-on
- **Disconnection system:** screw-on
- **Shut off system:** flat valve
- **Connectability:** both male and female couplings under residual pressure
- **Disconnection under pressure:** allowed
- **Interchangeability:** according to Faster internal standard
- **Hand connection under residual pressure**
- Safety sleeve to prevent unscrewing
- No need of wrenches for connection/disconnection
- Additional safety sleeve in red anodized aluminium to prevent unscrewing
- Other colours of the sleeve available on request
- Latching system by low friction threaded sleeve
- Wear reduction
- **Not interchangeable** with standard RF series couplings
- Uses standard RF series adaptors

Technical data

Size ❖	DN Nominal diameter		
		mm	inc.
1/4" 04	5	0.20	
3/8" 06	7	0.28	
1/2" 08	9	0.35	

Minimum burst pressure					
Connected		Male		Female	
MPa	PSI	MPa	PSI	MPa	PSI
100	14500	53	7685	10,5	1523
70	10150	24	3480	19	2755
55	7975	55	7975	8,3	1204

Air inclusion and fluid loss	Maximum leakage rate * *	Vacuum rating	
cc max.	g/year	mmHg	incHg
0,02	1,5	2	0,08
0,05	1,5	2	0,08
0,1	1,5	2	0,08

Size ❖	DN Nominal diameter		
		mm	inc.
1/4" 04	5	0.20	
3/8" 06	7	0.28	
1/2" 08	9	0.35	

Maximum working pressure *					
Connected		Male		Female	
MPa	PSI	MPa	PSI	MPa	PSI
33	4785	17,5	2538	3,5	508
23,3	3379	8	1160	6	870
18,3	2654	18,3	2654	2,75	400

Max pressure allowing connection by hand (M+F)	
MPa	PSI
3,5	508
3	435
2,2	319

* Safety factor = 1:3 - For static pressure safety factor 1:2

** R22 equivalent refrigerant at operating range, both connected and disconnected.

Materials:

- Male, female and valves in steel.
- Surface treatment: zinc plating with Cr III passivation.
- Safety sleeve in anodised aluminium.

Seals: standard in Neoprene or HNBR.

On request: EPDM, Viton or other seals.

Working temperatures:

With Neoprene seals from -40°C (-40°F) to +120°C (+248°F).

With HNBR seals from -25°C (-13°F) to +140°C (+284°F).

Temperatures refer to theoretical working conditions in laboratory.



Pressure drop chart

See at page 21

Installation and Brazing instructions

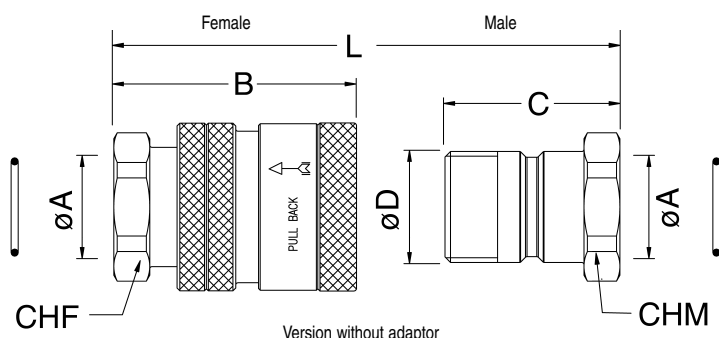
See at pages 22-23-24

Accessories - Spare part kit

See at pages 19-20

Seals compatibility

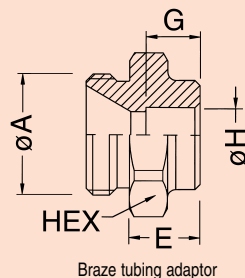
See at page 24



Version without adaptor

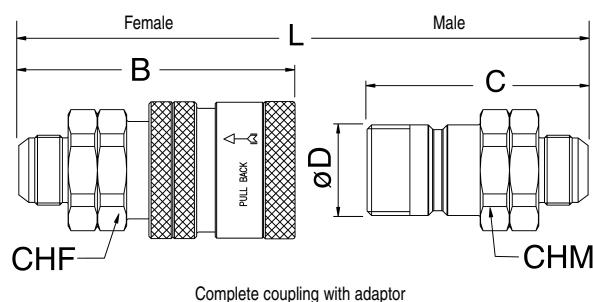
	❖	Female	Male	Ø A	Seals material	B	mm	inc.	C	mm	inc.	Ø D	mm	L	mm	inc.	CHF	mm	inc.	CHM	mm	inc.
Version without adaptor	04	RFLS 04 F N	RFS 04 M N	1/2" - 20 UNF	Neoprene	38,5	1,52	29	1,14	M16x3 double thread	55	2,17	19	0,75	19	0,75						
		*RFLS 04 F H	*RFS 04 M H	1/2" - 20 UNF	HNBR	38,5	1,52	29	1,14	M16x3 double thread	55	2,17	19	0,75	19	0,75						
		*RFLS 04 F E	*RFS 04 M E	1/2" - 20 UNF	EPDM	38,5	1,52	29	1,14	M16x3 double thread	55	2,17	19	0,75	19	0,75						
		*RFLS 04 F V	RFS 04 M V	1/2" - 20 UNF	Viton	38,5	1,52	29	1,14	M16x3 double thread	55	2,17	19	0,75	19	0,75						
	06	*RFLS 06 F N	*RFS 06 M N	M18x1.5	Neoprene	44,5	1,75	32	1,26	M20x3 double thread	50	1,97	22	0,87	22	0,87						
		*RFLS 06 F H	*RFS 06 M H	M18x1.5	HNBR	44,5	1,75	32	1,26	M20x3 double thread	50	1,97	22	0,87	22	0,87						
		*RFLS 06 F E	*RFS 06 M E	M18x1.5	EPDM	44,5	1,75	32	1,26	M20x3 double thread	50	1,97	22	0,87	22	0,87						
		*RFLS 06 F V	*RFS 06 M V	M18x1.5	Viton	44,5	1,75	32	1,26	M20x3 double thread	50	1,97	22	0,87	22	0,87						
	08	RFLS 08 F N	RFS 08 M N	7/8" - 20 UNEF	Neoprene	56	2,20	41,5	1,63	M26x4 double thread	75	2,95	27	1,06	32	1,26						
		*RFLS 08 F H	*RFS 08 M H	7/8" - 20 UNEF	HNBR	56	2,20	41,5	1,63	M26x4 double thread	75	2,95	27	1,06	32	1,26						
		*RFLS 08 F E	*RFS 08 M E	7/8" - 20 UNEF	EPDM	56	2,20	41,5	1,63	M26x4 double thread	75	2,95	27	1,06	32	1,26						
		*RFLS 08 F V	*RFS 08 M V	7/8" - 20 UNEF	Viton	56	2,20	41,5	1,63	M26x4 double thread	75	2,95	27	1,06	32	1,26						

❖ Size *On request



Braze tubing adaptor

► Braze tubing adaptor
See table at page 6



Complete coupling with adaptor

- All versions available with adaptors as shown in the table at page 7.
- Female coupling code from RF to RFLS...
- Male coupling code from RF to RFS...
- Dimensions can be obtained from table at page 7 considering the different length of the quick-release coupling without adaptor.