



# RFL

**Screw to connect female couplings for air conditioning & refrigeration application, low friction sleeve.**

RFL screw to connect female couplings are equipped with a low friction sleeve in order to reduce connection effort and friction. Fully interchangeable with RF series same size.

## Applications



## Technical Specifications

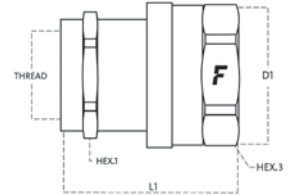
dash	Size		Working Pressure (MPa)	Flow Rate* (g/s)	Air inclusion and fluid loss (cc max)	Maximum leakage rate** (g/year)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
04	6.3	1/4"	3.5	20	0.02	1		10.5	100
06	10	3/8"	6	44	0.05	1		19	70
08	12.5	1/2"	5	107	0.1	1		15	55
12	20	3/4"	5	288	0.1	1		15	43
16	25	1"	5	477	0.2	1		15	37

\* Flow rate calculated considering air in standard conditions (20°C, 1 bar). For other gases refer to density table on page 241.

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

Material	<b>Steel</b>	Valve Type	<b>Flat</b>
Seals	<b>CR (Neoprene)</b>	Connection	<b>Screw to Connect</b>
Working temperatures	<b>- 40 °C to + 120 °C</b>	Disconnection	<b>Unscrew to Disconnect</b>
Surface treatment	<b>MATE 500 (CrIII)</b>	Connection Under Pressure	<b>Allowed Residual</b>
Series Interchange	<b>RF male Faster</b>		

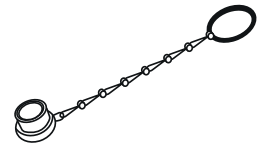
# RFL



Size		Thread details			FEMALE						
mm	inc	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
6.3	1/4"	0/ SAE	ASME B1.1	1/2" -20 UNF FEMALE ORB	RFL04 F N	29.4	1.16	25	0.98	16	0.63
10	3/8"	0/ METRIC	ISO 6149-1	M18x1.5 FEMALE ORB	RFL06 F N	34.5	1.36	28	1.1	22	0.87
12.5	1/2"	0/ SAE	ASME B1.1	7/8" -20 UNEF FEMALE ORB	RFL08 F N	49.3	1.94	34	1.34	27	1.06
20	3/4"	0/ SAE	ASME B1.1	1-1/4" -18 UNEF FEMALE ORB	RFL12 F N	56.8	2.24	45	1.77	36	1.42
25	1"	0/ SAE	ASME B1.1	1-19/32" -20 UN FEMALE ORB	RFL16 F N	64	2.52	55	2.17	46	1.81

Go to page 240 to find the adaptor table.

## RFL Accessories and Spares



### Aluminium dust protections

