

Flo-Temp Series

Thermal Management Application



Danfoss' Flo-Temp™ quick disconnect couplings provide the flow needed to cool or heat molds and die casting dies. Sockets are available non-valved for maximum flow and valved to prevent fluid loss when disconnected. Flo-Temp couplings can be used with water-glycol, hot water and hot oil.

Product Features

- Non valved straight through models for maximum flow
- Valved sockets/females for automatic shut-off when line is disconnected
- Sockets/Females available with straight, 90° or 45° hose stems or without hose stem
- Brass plugs/males with male pipe thread for recessed mounting to avoid damage to plugs/males when molds are being changed or stored.
- Standard body material: Brass

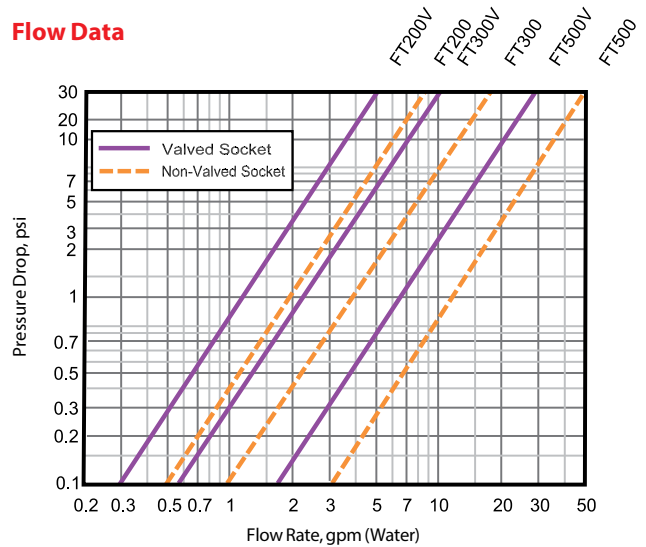
Physical Characteristics

Size (in)	Max. Operating Pressure		Min. Burst Pressure		Rated Flow	
	(bar)	(psi)	(bar)	(psi)	(lpm)	(gpm)
1/4	14	200	56	800	8.3	2.2
3/8	14	200	56	800	17	4.5
1/2	14	200	56	800	49	13

Applications & Markets

- Injection Molding
- Heating and Cooling

Flow Data



Flo-Temp Series

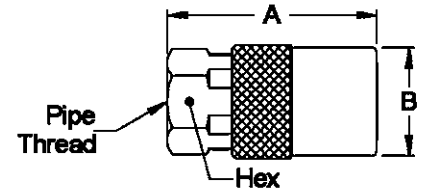


Figure 1

Without Hose Stem

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions					
							A (in)	B (in)	Hex (in)	A (mm)	B (mm)	Hex (mm)
LNFT200	Socket/Female	1/4	1/8	1/8-27	NPTF	1	1.68	0.67	0.56	42.7	17.0	14.2
LNFT300	Socket/Female	3/8	1/4	1/4-18	NPTF	1	2.18	0.89	0.75	55.4	22.6	19.1
LNFT500	Socket/Female	1/2	1/2	1/2-14	NPTF	1	2.00	1.17	1.13	50.8	29.7	28.7

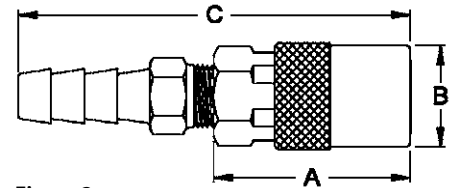


Figure 2

Straight Hose Stem

Part Number Non-Valved	Valved	Coupling Type	Body Size	Type	Hose I.D.	Fig.	Dimensions					
							A (in)	B (in)	C (in)	A (mm)	B (mm)	C (mm)
FTS204	FTS204V	Socket/Female	1/4	Hose Stem	1/4	2	1.20	0.67	2.25	30.5	17.0	57.2
FTS204HP*	FTS204VHP*	Socket/Female	1/4	Hose Stem	1/4	2	1.20	0.67	2.09	30.5	17.0	53.1
FTS205	FTS205V	Socket/Female	1/4	Hose Stem	5/16	2	1.20	0.67	2.09	30.5	17.0	53.1
FTS206	FTS206V	Socket/Female	1/4	Hose Stem	3/8	2	1.20	0.67	2.25	30.5	17.0	57.2
FTS206HP*	-	Socket/Female	1/4	Hose Stem	3/8	2	1.20	0.67	2.34	30.5	17.0	59.4
FTS306	FTS306V	Socket/Female	3/8	Hose Stem	3/8	2	1.60	0.91	2.68	40.6	23.1	68.1
FTS306HP*	FTS306VHP*	Socket/Female	3/8	Hose Stem	3/8	2	1.61	0.89	2.75	40.9	22.6	69.9
FTS308	FTS308V	Socket/Female	3/8	Hose Stem	1/2	2	1.61	0.88	2.82	40.9	22.4	71.6
FTS308HP*	FTS308VHP*	Socket/Female	3/8	Hose Stem	1/2	2	1.61	0.88	2.82	40.9	22.4	71.6
FTS504	FTS504V	Socket/Female	1/2	Hose Stem	1/2	2	2.25	1.18	3.42	57.2	30.0	86.9
FTS504HP*	FTS504VHP*	Socket/Female	1/2	Hose Stem	1/2	2	2.25	1.18	3.62	57.2	30.0	91.9
FTS506	FTS506V	Socket/Female	1/2	Hose Stem	3/4	2	2.22	1.18	3.85	56.4	30.0	97.8
FTS506HP*	FTS506VHP*	Socket/Female	1/2	Hose Stem	3/4	2	2.22	1.18	4.35	56.4	30.0	110.5

*Part numbers with HP suffix have pushon hose barb. All other FTS parts numbers have standard hose barb.

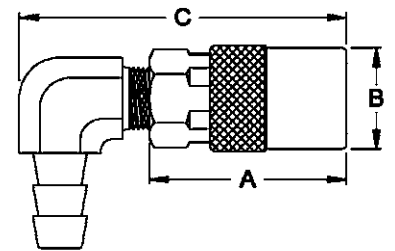


Figure 3

90° Hose Stem

Part Number Non-Valved	Valved	Coupling Type	Body Size	Type	Hose I.D.	Fig.	Dimensions					
							A (in)	B (in)	C (in)	A (mm)	B (mm)	C (mm)
FTS214	FTS214V	Socket/Female	1/4	Hose Stem	1/4	3	1.36	0.67	2.17	34.5	17.0	55.1
FTS214HP*	FTS214VHP*	Socket/Female	1/4	Hose Stem	1/4	3	1.18	0.67	1.76	30.0	17.0	44.7
FTS215	FTS215V	Socket/Female	1/4	Hose Stem	5/16	3	1.18	0.67	1.76	30.0	17.0	44.7
FTS216	FTS216V	Socket/Female	1/4	Hose Stem	3/8	3	1.17	0.67	1.76	29.7	17.0	44.7
FTS216HP*	FTS216VHP*	Socket/Female	1/4	Hose Stem	3/8	3	1.17	0.67	1.76	29.7	17.0	44.7
FTS316	FTS316V	Socket/Female	3/8	Hose Stem	3/8	3	1.60	0.88	2.43	40.6	22.4	61.7
FTS316HP*	FTS316VHP*	Socket/Female	3/8	Hose Stem	3/8	3	1.60	0.88	2.43	40.6	22.4	61.7
FTS318	FTS318V	Socket/Female	3/8	Hose Stem	1/2	3	1.60	0.88	2.43	40.6	22.4	61.7
FTS318HP*	FTS318VHP*	Socket/Female	3/8	Hose Stem	1/2	3	1.60	0.88	2.43	40.6	22.4	61.7

*Part numbers with HP suffix have pushon hose barb. All other FTS parts numbers have standard hose barb.

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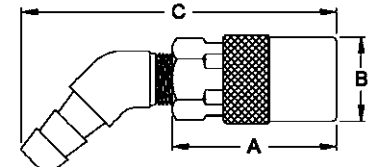


Figure 4

45° Hose Stem

Part Number	Valved	Coupling Type	Body Size	Type	Hose I.D.	Fig.	Dimensions					
							A	B	C	A	B	C
Non-Valved							(in)	(in)	(in)	(mm)	(mm)	(mm)
FTS224	FTS224V	Socket/Female	1/4	Hose Stem	1/4	4	1.17	0.67	2.40	29.7	17.0	61.0
FTS224HP*	FTS224VHP*	Socket/Female	1/4	Hose Stem	1/4	4	1.17	0.67	2.40	29.7	17.0	61.0
FTS225	FTS225V	Socket/Female	1/4	Hose Stem	5/16	4	1.17	0.67	2.40	29.7	17.0	61.0
FTS226	FTS226V	Socket/Female	1/4	Hose Stem	3/8	4	1.17	0.67	2.40	29.7	17.0	61.0
FTS226HP*	FTS226VHP*	Socket/Female	1/4	Hose Stem	3/8	4	1.17	0.67	2.40	29.7	17.0	61.0
FTS326	FTS326V	Socket/Female	3/8	Hose Stem	3/8	4	1.80	0.90	3.70	45.7	22.9	94.0
FTS326HP*	FTS326VHP*	Socket/Female	3/8	Hose Stem	3/8	4	1.80	0.90	3.17	45.7	22.9	80.5
FTS328	FTS328V	Socket/Female	3/8	Hose Stem	1/2	4	1.60	0.90	3.17	40.6	22.9	80.5
FTS328HP*	FTS328VHP*	Socket/Female	3/8	Hose Stem	1/2	4	1.60	0.90	3.17	40.6	22.9	80.5

*Part numbers with HP suffix have pushon hose barb. All other FTS parts numbers have standard hose barb

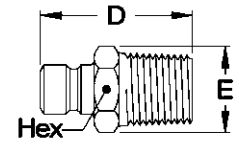


Figure 5

Male Pipe Thread

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions						Installation Recess			
							A	B	C	A	B	C	DIA	Depth	DIA	Depth
							(in)	(in)	(in)	(mm)	(mm)	(mm)	(in)	(in)	(mm)	(mm)
FTP251	Plug/Male	1/4	1/8	1/8-27	NPTF	5	0.94	0.49	0.44	23.9	12.4	11.2	0.69	0.69	17.5	17.5
FTP251BST	Plug/Male	1/4	1/8	1/8-28	BSPT	5	0.94	0.49	0.44	23.9	12.4	11.2	0.69	0.69	17.5	17.5
FTP252	Plug/Male	1/4	1/4	1/4-18	NPTF	5	1.15	0.63	0.56	29.2	16.0	14.2	0.84	0.94	21.3	23.9
FTP252BST	Plug/Male	1/4	1/4	1/4-19	BSPT	5	1.15	0.63	0.56	29.2	16.0	14.2	0.84	0.94	21.3	23.9
FTP253	Plug/Male	1/4	3/8	3/8-18	NPTF	5	1.19	0.77	0.69	30.2	19.6	17.5	1.00	0.94	25.4	23.9
FTP352	Plug/Male	3/8	1/4	1/4-18	NPTF	5	1.40	0.63	0.56	35.6	16.0	14.2	1.00	1.09	25.4	27.7
FTP352BST	Plug/Male	3/8	1/4	1/4-19	BSPT	5	1.40	0.63	0.56	35.6	16.0	14.2	1.00	1.09	25.4	27.7
FTP353	Plug/Male	3/8	3/8	3/8-18	NPTF	5	1.40	0.77	0.69	35.6	19.6	17.5	1.00	1.13	25.4	28.7
FTP353BST	Plug/Male	3/8	3/8	3/8-19	BSPT	5	1.40	0.77	0.69	35.6	19.6	17.5	1.00	1.13	25.4	28.7
FTP354	Plug/Male	3/8	1/2	1/2-14	NPTF	5	1.56	0.98	0.88	39.6	24.9	22.4	1.19	1.25	30.2	31.8
FTP554	Plug/Male	1/2	1/2	1/2-14	NPTF	5	1.75	0.98	0.88	44.5	24.9	22.4	1.25	1.50	31.8	38.1
FTP556	Plug/Male	1/2	3/4	3/4-14	NPTF	5	1.75	1.25	1.13	44.5	31.8	28.7	1.50	1.56	38.1	39.6

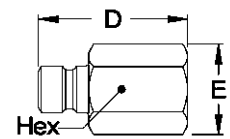


Figure 6

Female End Connections

Part Number	Coupling Type	Body Size	Port Size	Thread	Type	Fig.	Dimensions					
							D	E	Hex	D	E	Hex
							(in)	(in)	(in)	(mm)	(mm)	(mm)
FTP251F	Plug/Male	1/4	1/8	1/8-27	NPTF	6	1.00	0.58	0.50	25.4	14.7	12.7
FTP251FBS	Plug/Male	1/8	1/8	1/8-28	BSPT	6	1.00	0.65	0.56	25.4	16.5	14.2
FTP252F	Plug/Male	1/4	1/4	1/4-18	NPTF	6	1.20	0.72	0.63	30.5	18.3	16.0
FTP252FBS	Plug/Male	1/4	1/4	1/4-19	BSPT	6	1.20	0.87	0.75	30.5	22.1	19.1
FTP253F	Plug/Male	1/4	3/8	3/8-18	NPTF	6	1.25	0.87	0.75	31.8	22.1	19.1
FTP352F	Plug/Male	3/8	1/4	1/4-18	NPTF	6	1.38	0.72	0.63	35.1	18.3	16.0
FTP352FBS	Plug/Male	1/4	1/4	1/4-19	BSPT	6	1.28	0.87	0.75	32.5	22.1	19.1
FTP353F	Plug/Male	3/8	3/8	3/8-18	NPTF	6	1.40	0.87	0.75	35.6	22.1	19.1
FTP354F	Plug/Male	3/8	1/2	1/2-14	NPTF	6	1.62	1.08	0.94	41.1	27.4	23.9
FTP554F	Plug/Male	1/2	1/2	1/2-14	NPTF	6	1.72	1.08	0.94	43.7	27.4	23.9
FTP556F	Plug/Male	1/2	3/4	3/4-14	NPTF	6	1.78	1.30	1.13	45.2	33.0	28.7