



Danfoss Hansen[®] MQD and MQDB

Danfoss Hansen® MQD and MQDB

Danfoss Hansen **MQD and MQDB** are designed for single-phase (water/glycol) systems for liquid cooling of electronics. This product is compliant to NVIDIA Quick Disconnect (MQD & MQDB) Specification 3.2 and can be interchanged with vendors compliant to this specification.

Offered with ISO 11926-3 O-ring boss, BSPP and hose tail terminal ends.



Product Features

- Stainless steel 304 material and EPDM seals
- Color identification (red and blue) for hand mate MQD
- Available in 3 different sizes (MQD02, MQD03, MQD04)
- All parts are 100 % helium-leak tested
- Operating temperature range : -40° C to +150 ° C
(-40°F to 302°F)

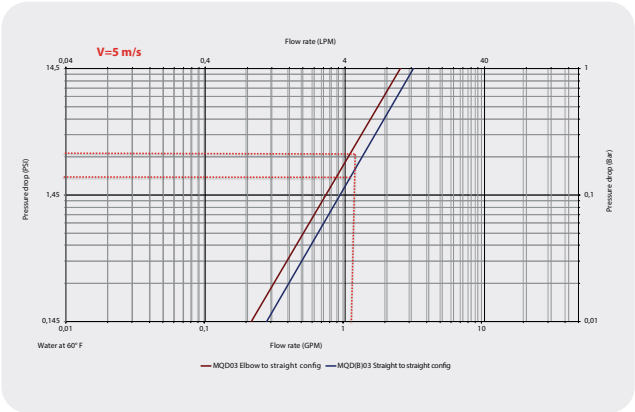
Physical characteristics

Body Size	Nominal flow diameter	Max. Operating Pressure		Min. Burst Pressure		Rated Flow		Force to connect	Fluid Loss
(in)	(mm)	(bar)	(psi)	(bar)	(psi)	(lpm)	(gpm)	N max.	cc. max.
MQD02	3.3	7	100	21	300	2.04	0.55	51	0.02
MQD03	4.9	7	100	21	300	4.54	1.2	55	0.023
MQD04	6.4	7	100	21	300	6.81	1.8	63	0.025

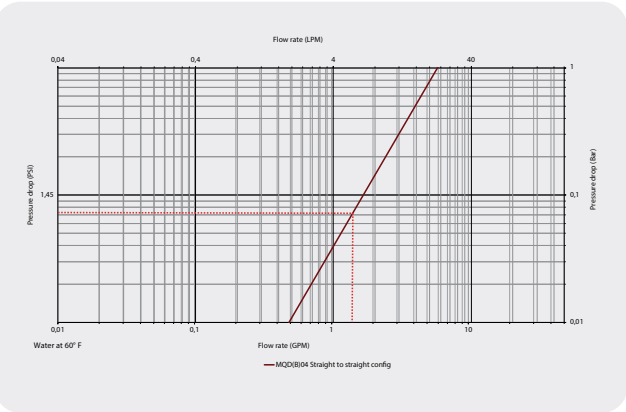
Applications & Markets

- Technology Cooling System (TCS) for Electronics
- Data Center Liquid Cooling

Flow Data MQ03



Flow Data MQ04



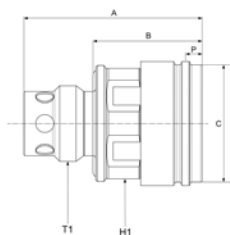


Figure 1

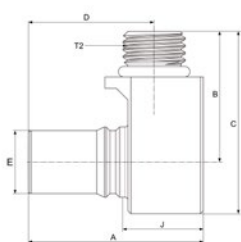


Figure 2

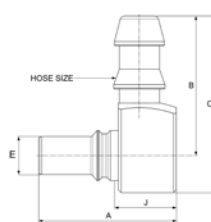


Figure 3

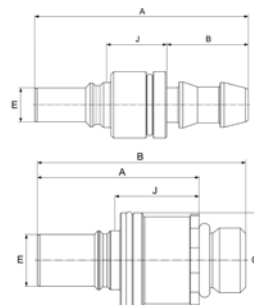


Figure 4 (a, b)

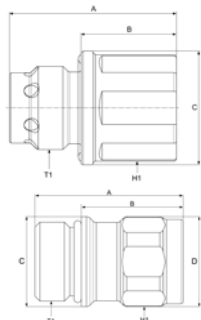


Figure 5 (a, b)

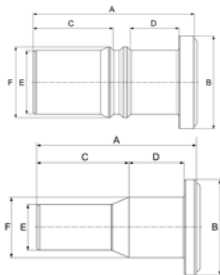


Figure 6 (a, b)

Series Description	Order Number	Part Number	Color	Nom Flow dia	End Type	A	B	C	D	Dimensions					H1	H2	H3	Fig
				(mm)	T1/T2/T3/HOSE SIZE	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		
Hand Mate Socket	12022881	ML2MQS43RD	RED	3.3	7/16-20 UNF 2A	25.67	15.37	18.00	-	-	-	-	15.9	-	-	-	1	
	12022882	ML2MQS43BL	BLUE	3.3	7/16-20 UNF 2A	25.67	15.37	18.00	-	-	-	-	15.9	-	-	-	1	
Hand Mate Plug, elbow	12022869	ML2MQPEL9025HCRD	RED	3.3	Hose barb -04 size	24.20	24.50	31.00	17.7	6.65	-	10.50	-	-	-	-	3	
	12022870	ML2MQPEL9025HCBL	BLUE	3.3	Hose barb -04 size	24.20	24.50	31.00	17.7	6.65	-	10.50	-	-	-	-	3	
Hand Mate Plug, straight	12022900	ML2MQP25HCRD	RED	3.3	Hose barb -04 size	39.20	15.00	-	-	6.65	-	10.50	-	-	-	-	4a	
	12022901	ML2MQP25HCBL	BLUE	3.3	Hose barb -04 size	39.20	15.00	-	-	6.65	-	10.50	-	-	-	-	4a	
Blind Mate, Socket	12022898	ML2MQBS43	-	3.3	7/16-20 UNF 2A	25.90	15.60	16.85	-	-	-	-	15.9	-	-	-	5a	
Blind Mate, Plug	12022907	ML2MQBP	-	3.3	Floating Body	23.40	13.90	13.50	8.5	6.65	8.8	-	-	-	-	-	6a	
Hand Mate Socket	11359567	ML3MQS25MBSRD	RED	4.9	G 1/4-19 BSPP	25.25	14.45	18.00	-	-	-	-	17.0	-	-	-	1	
	11359568	ML3MQS25MBSBL	BLUE	4.9	G 1/4-19 BSPP	25.25	14.45	18.00	-	-	-	-	17.0	-	-	-	1	
Hand Mate Plug, elbow	11359572	ML3MQPEL9043ORMRD	RED	4.9	7/16-20 UNF 2A	26.00	20.00	28.00	17.9	8.8	-	12.40	-	-	-	-	2	
	11359557	ML3MQPEL9043ORMBL	BLUE	4.9	7/16-20 UNF 2A	26.00	20.00	28.00	17.9	8.8	-	12.40	-	-	-	-	2	
	11359559	ML3MQPEL9025HCRD	RED	4.9	Hose barb -04 size	26.00	24.50	32.50	17.9	8.8	-	12.40	-	-	-	-	3	
	11359583	ML3MQPEL9025HCBL	BLUE	4.9	Hose barb -04 size	26.00	24.50	32.50	17.9	8.8	-	12.40	-	-	-	-	3	
Hand Mate Plug, straight, hose tail	11359564	ML3MQP43ORMRD	RED	4.9	7/16-20 UNF 2A	35.40	27.50	16.10	-	8.8	-	13.90	-	15.0	-	-	4b	
	11359565	ML3MQP43ORMBL	BLUE	4.9	7/16-20 UNF 2A	35.40	27.50	16.10	-	8.8	-	13.90	-	15.0	-	-	4b	
	11359561	ML3MQP25MBSRD	RED	4.9	G 1/4-19 BSPP	39.00	31.00	-	-	8.8	-	17.40	-	-	15.0	-	4b	
	11359584	ML3MQP25MBSBL	BLUE	4.9	G 1/4-19 BSPP	39.00	31.00	-	-	8.8	-	17.40	-	-	15.0	-	4b	
Blind Mate, Socket	11359563	ML3MQBS25MBS	-	4.9	G 1/4-19 BSPP	25.25	14.45	18.00	-	-	-	-	16.0	-	-	-	5a	
Blind Mate, Plug	11359569	ML3MQBP	-	4.9	Floating Body	23.40	14.10	11.10	8.1	8.8	10.00	-	-	-	-	-	6b	
Hand Mate Socket	11345074	ML4MQS37MBSRD	RED	6.4	G 3/8-19 BSPP	31.60	21.80	21.00	-	-	-	-	20.0	-	-	-	1	
	11345075	ML4MQS37MBSBL	BLUE	6.4	G 3/8-19 BSPP	31.60	21.80	21.00	-	-	-	-	20.0	-	-	-	1	
Hand Mate Plug, elbow	11345040	ML4MQPEL9043ORMRD	RED	6.4	7/16-20 UNF 2A	30.75	22.95	32.00	22.1	11.07	-	13.25	-	-	-	-	2	
	11345067	ML4MQPEL9043ORMBL	BLUE	6.4	7/16-20 UNF 2A	30.75	22.95	32.00	22.1	11.07	-	13.25	-	-	-	-	2	
Hand Mate Plug, straight	11345073	ML4MQP43ORMRD	RED	6.4	7/16-20 UNF 2A	30.50	38.50	18.10	-	11.07	-	13.00	-	17.0	-	-	4b	
	11345061	ML4MQP43ORMBL	BLUE	6.4	7/16-20 UNF 2A	30.50	38.50	18.10	-	11.07	-	13.00	-	17.0	-	-	4b	
Blind Mate, Socket	11345082	ML4MQBS37MBS	-	6.4	G 3/8-19 BSPP	31.30	21.50	21.60	-	-	-	-	19.0	-	-	-	5b	
Blind Mate, Plug	11345092	ML4MQBP	-	6.4	Floating Body	28.60	16.10	14.30	8.6	11.07	12.30	-	-	-	-	-	6a	
Blind Mate, Compact Socket	11369766	ML4MQBS37MBS11	-	6.4	G 3/8-19 BSPP	31.30	21.50	19.00	19.0	-	-	-	17.9	-	-	-	5b	

Connected Length for Hand mate mounting face on socket to mounting face on plug = B+J

Refer MQD spec for more details



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