

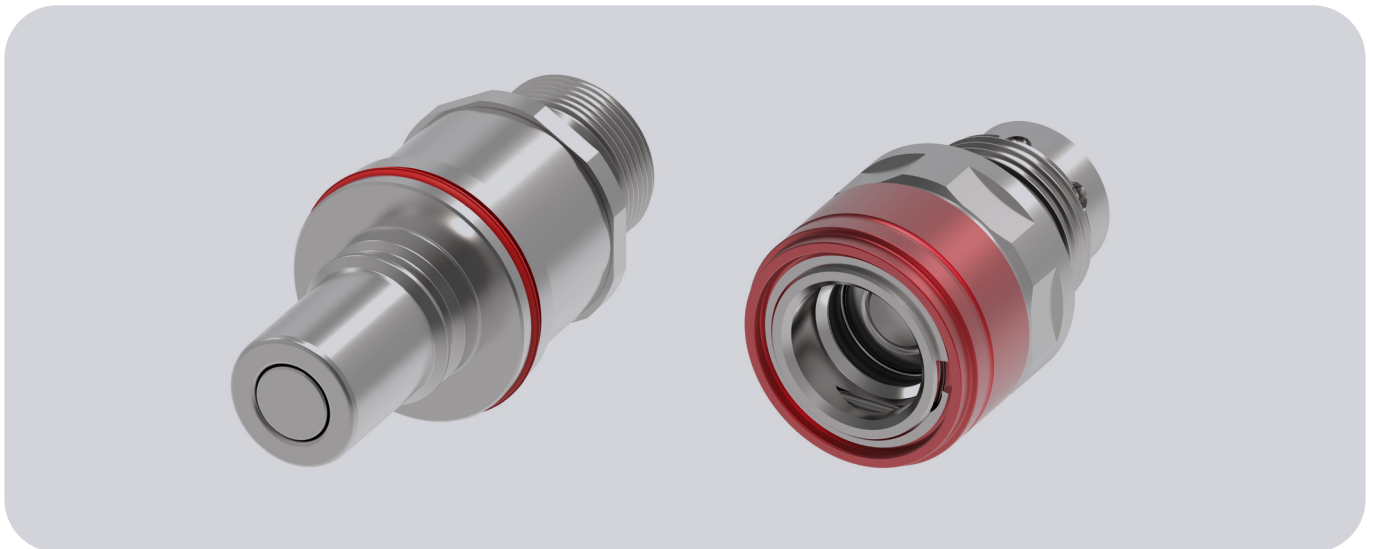


Danfoss Hansen[®] MQD and MQDB

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)

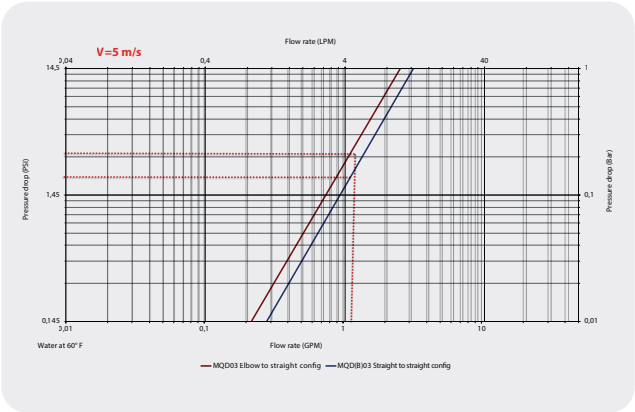
Physical characteristics

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

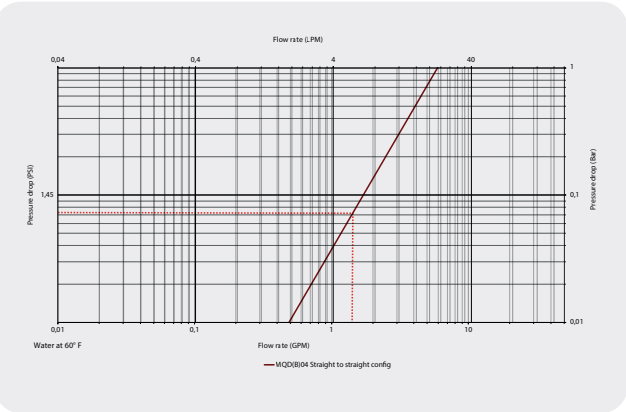
Applications & Markets

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

Flow Data MQ03



Flow Data MQ04



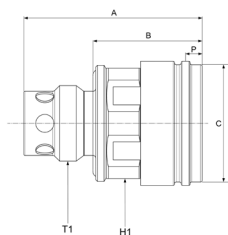


Figure 1

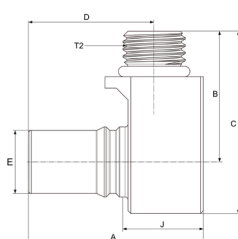


Figure 2

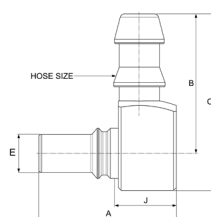


Figure 3

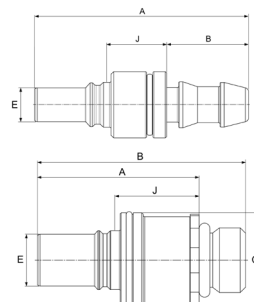


Figure 4 (a, b)

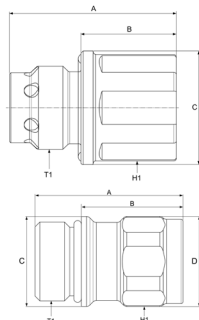


Figure 5 (a, b)

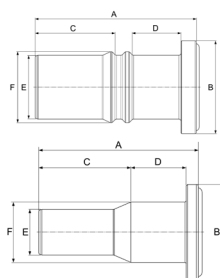


Figure 6 (a, b)

Series Description	Order Number	Part Number	Color	Nom Flow dia	END TYPE	Dimensions										Fig
						A	B	C	D	E	F	J	H1	H2	H3	
				(mm)	T1/T2/T3/HOSE SIZE	(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	ML3MQ25MBSRD	RED	4,9	G 1/4-19 BSPP	39,00	31,00	-	-	8,8	-	17,40	-	-	15,0	4b
	11359584	ML3MQ25MBSBL	BLUE	4,9	G 1/4-19 BSPP	39,00	31,00	-	-	8,8	-	17,40	-	-	15,0	4b
Blind Mate, Socket	11359563	ML3MQ25MBS	-	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 1/4-19 BSPP	31,60	21,80	21,00	-	-	-	-	20,0	-	-	1
	11345075	ML4MQS37MBSBL	BLUE	6,4	G 1/4-19 BSPP	31,60	21,80	21,00	-	-	-	-	20,0	-	-	1
Hand Mate Plug, elbow	11345040	ML4MQPEL9043ORM-	RED	6,4	7/16-20 UNF 2A	30,75	22,95	32,00	22,1	11,07	-	13,25	-	-	-	2
	11345067	ML4MQPEL9043ORM-	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 1/4-19 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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地址：北京朝阳区望京 SOHO-T1-C 座
2115 室
邮编：100102
手机：139 1096 2635
电子邮件：sales@cnmec.biz

Danfoss A/S
Nordborgvej 81
6430 Nordborg
Denmark
danfoss@danfoss.com
CVR reg. no. 20165715