Series HM ▪ Carbon Steel and Brass

Material	Brass and Carbon Steel
Surface Finishing	Carbon Steel: Zinc-Plating and Thick-Film-Passivation (Chrome III)
Standard Seal Material(s)	NBR (Buna-N®) [2]
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Flat Valve
Connection	Screw
Disconnection	Screw
Connect Under Pressure	not allowed
Application	Industrial Hydraulic
ISO Interchange	-

[2] Alternative seal materials are available on request.



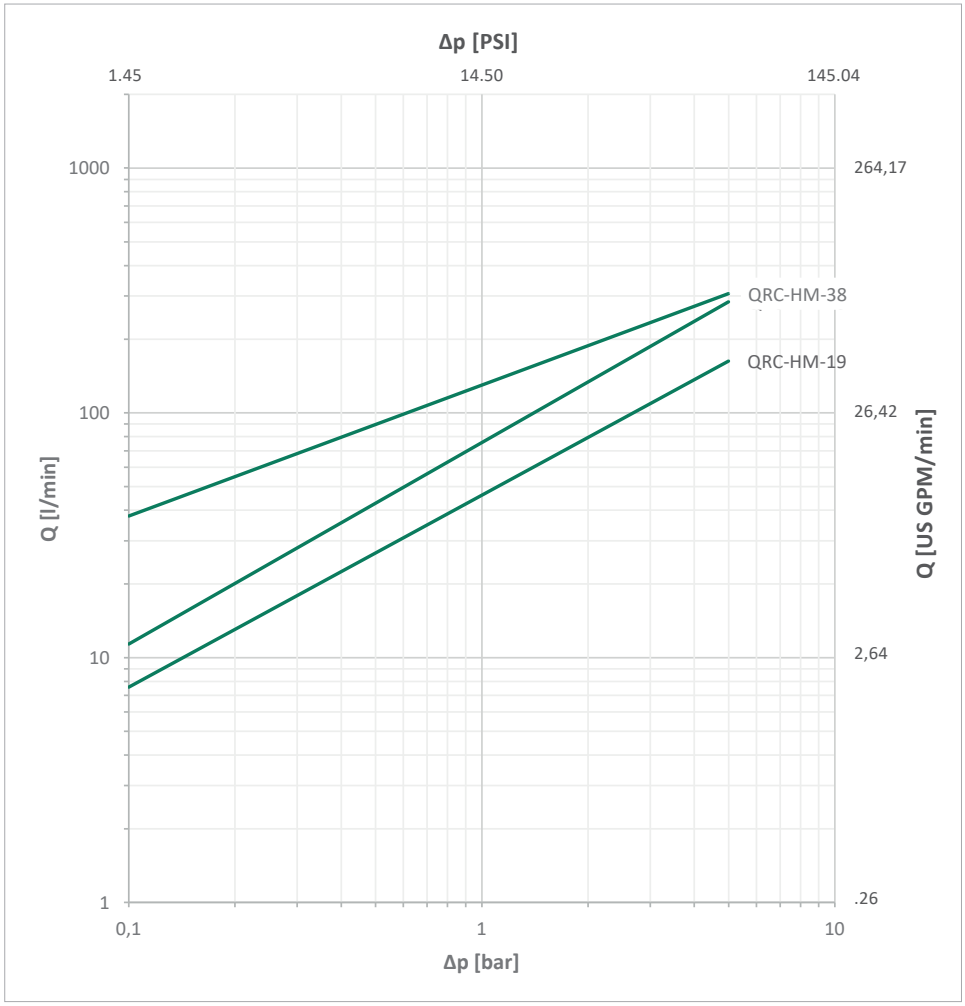
Male Tip Female Body

Technical Data

Series	BG	DN Zoll	DN metric	Q_{max}		Working Pressure		Bursting Pressure Connected		Female Body		Male Tip		Spillage	
		Inch	ISO 4397	l/min	US GPM	bar	PSI	bar	PSI	bar	PSI	bar	PSI	ml	fl oz
HM-19	4	3/4"	19 (20)	220	58.12	210	3046	1160	16824	580	8412	460	6672	0,15	.0051
HM-25	6	1"	25	260	68.68	210	3046	880	12763	720	10443	370	5366	0,4	.0135
HM-31	8	1 1/4''	31	400	105.67	190	2756	520	7542	570	8267	430	6237	0,65	.0220
HM-38	10	1 1/2''	38	600	158.50	170	2466	500	7252	350	5076	430	6237	0,85	.0287

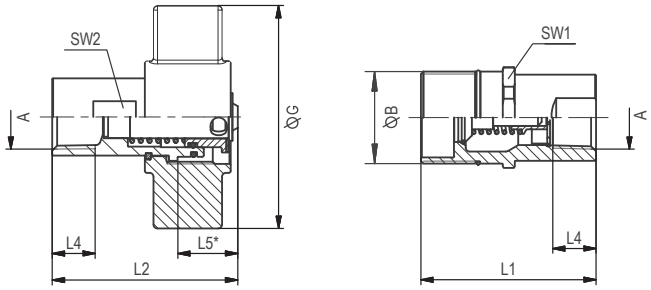
The indicated pressure ratings only apply to the coupling itself and depend on the connection type.

Flow Characteristics



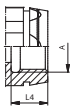
Please note: Unless otherwise stated, all flow characteristics have been determined with hydraulic oil with a kinematic viscosity of 28,8 - 35,2 mm²/s (28,8 - 35,2 cSt) and are only valid for components with non-reducing connections.

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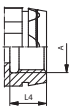


SW: Width across flats. All dimensions in mm (inch). Drawing similar Series HM-25.
* Insertion Male Tip.

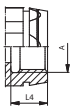
Series HM-19 ▪ BG 4 ▪ Nominal Size 19

	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1/2" -14	1"1/2 - 12 UNF	102	79	80,5			41,3	28,6	QRC-HM-19-F-NF08-BT-W162	63,50	QRC-HM-19-M-NF08-B-W162	43
			4.01	3.11	3.17			1"5/8	1"1/8		139.99		94.80
	NPFT 3/4" -14	1"1/2 - 12 UNF	102	79	80,5			41,3	28,6	QRC-HM-19-F-NF12-BT-W162	60,20	QRC-HM-19-M-NF12-B-W162	39,50
			4.01	3.11	3.17			1"5/8	1"1/8		132.72		87.08

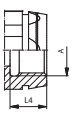
Series HM-25 ▪ BG 6 ▪ Nominal Size 25

	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1" -11 1/2	1"7/8 - 12 UN	114,5	90	95,3			48	36,3	QRC-HM-25-F-NF16-BT-W162	104	QRC-HM-25-M-NF16-B-W162	63,30
			4.50	3.54	3.75			1"7/8	1"7/16		229.28		139.55

Series HM-31 ▪ BG 8 ▪ Nominal Size 31,5

	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1 1/4" -11 1/2	2"1/8 - 12 UN	135	94,2	100			55,1	44,5	QRC-HM-31-F-NF20-BT-W162	125,50	QRC-HM-31-M-NF20-B-W162	76,50
			4.31	3.71	3.94			2"3/18	1"3/4		276.68		168.65

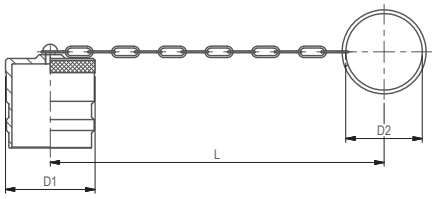
Series HM-38 ▪ BG 10 ▪ Nominal Size 38

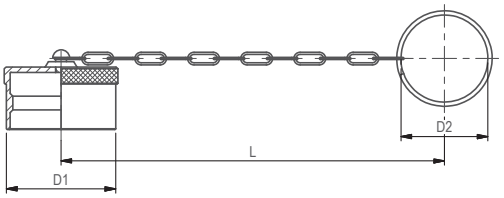
	Port A	Dimensions (mm/in) ØB	ØG	L1	L2	L4 min	L5	SW1	SW2	Female Body Ordering Codes	Weight (kg/lbs) ca. per 100	Male Tip Ordering Codes	Weight (kg/lbs) ca. per 100
	Female Thread according to ANSI B 1.20.3												
	NPTF 1 1/2" -11 1/2	2"1/2 - 12 UN	135	104,5	103			63,5	50,8	QRC-HM-38-F-NF24-BT-W162	155	QRC-HM-38-M-NF24-B-W162	116
			5.31	4.11	4.06			2"1/2	2"		341.72		255.74

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Note: The connection of the two halves of a coupling is achieved depending on the type. It is important to observe the positive engagement of plug-type couplings and the secure tightening of screw-type couplings to the limit stop of the thread. Forced or improper separation will result in malfunction of the coupling.

Series HM ▪ Dust Protection





Dimensions (mm/in)			Material	Dust Plug for Female Body
D1	D2	L		Ordering Codes
40	30	210	Brass with chain	QRC-HM-19-DF-30/CN-W69
1.57	1.18	8.27		
48,0	41	270	Brass with chain	QRC-HM-25-DF-41/CN-W69
1.89	1.61	10.63		
56	48	280	Brass with chain	QRC-HM-31-DF-48/CN-W69
2.20	1.89	11.02		
63	48	280	Brass with chain	QRC-HM-38-DF-48/CN-W69
2.48	1.89	11.02		

Dimensions (mm/in)			Material	Dust Cap for Male Tip
D1	D2	L		Ordering Codes
41	30	210	Brass with chain	QRC-HM-19-DM-30/CN-W69
1.61	1.18	8.27		
53	41	270	Brass with chain	QRC-HM-25-DM-41/CN-W69
2.09	1.61	10.63		
62	48	280	Brass with chain	QRC-HM-31-DM-48/CN-W69
2.44	1.89	11.02		
69	48	280	Brass with chain	QRC-HM-38-DM-48/CN-W69
2.72	1.89	11.02		