POPPET TYPE - QCA - A SERIES

METRIC (L)



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FOR 3D SECTION

TECHNICAL FEATURES AND OPTIONS

Locking Mechanism
Locking Ball System

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +100 °C

Interchange
ISO 7241-A

How to Connect
Push

Operating Pressure
Up to 250 Bar

Available Threads
Metric

Under Residual Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

Sealing Description
NBR - FKM

Valve Type
Popet

MAIN APPLICATIONS

OIL & GAS | AGRICULTURE | HYDRAULIC INDUSTRY | EARTH MOVING | HYDRAULIC EQUIPMENT | CONCRETE VEHICLES | VEHICLES | CHEMICAL INDUSTRY

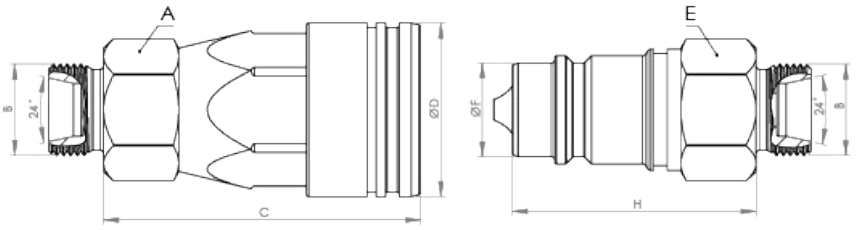
INFORMATION

· Do not connect or disconnect under residual pressure.
· Top quality elastomer seals provide maximum sealing.
· The external sealing ring ensures a solid connection and prevents disconnection due to vibration.
· The design prevents pressure drops and turbulences.
· Durable, safe, compact and easy to use design.
· Please clean the mating surfaces thoroughly before connecting, in order to prevent contaminants to enter into the system.
· Please make sure that the male and female parts are aligned properly to achive full connection.

WARNING

· Connection and disconnection under dynamic pressure is not allowed.
· Connection and disconnection is not allowed when the temperature of the circulating fluid is above 80°C / 176°F.
· Make sure the system pressure is below the maximum working pressure.
· Please ensure that the OLEOCON product you have chosen is compatible with the temperature , material and pressure requirements of your system.
· Please contact OLEOCON technical support for any further questions.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCA-6A-M6L	FEMALE	A	-	-	M12*1,5	D	-	-	C	-	-	-	-
	QCA-6B-M6L	MALE	E	-	-	M12*1,5	F	-	-	H	-	-	-	-
10	QCA-10A-M8L	FEMALE	A	24	0,94	M14*1,5	D	32	1,25	C	58	2,28	0,19	0,418
	QCA-10B-M8L	MALE	E	22	0,86	M14*1,5	F	17,23	0,67	H	40	1,57	0,09	0,198
	QCA-10A-M10L	FEMALE	A	24	0,94	M16*1,5	D	32	1,25	C	58	2,28	0,19	0,418
	QCA-10B-M10L	MALE	E	22	0,86	M16*1,5	F	17,23	0,67	H	40	1,57	0,09	0,198
	QCA-10A-M12L	FEMALE	A	24	0,94	M18*1,5	D	32	1,25	C	58	2,28	0,19	0,418
	QCA-10B-M12L	MALE	E	22	0,86	M18*1,5	F	17,23	0,67	H	40	1,57	0,09	0,198
12,5	QCA-12A-M12L	FEMALE	A	30	1,18	M18*1,5	D	38	1,49	C	69	2,71	0,29	0,638
	QCA-12B-M12L	MALE	E	27	1,06	M18*1,5	F	20,48	0,80	H	47	1,85	0,12	0,264
	QCA-12A-M15L	FEMALE	A	30	1,18	M22*1,5	D	38	1,49	C	69	2,71	0,29	0,638
	QCA-12B-M15L	MALE	E	27	1,06	M22*1,5	F	20,48	0,80	H	47	1,85	0,13	0,286
	QCA-12A-M18L	FEMALE	A	30	1,18	M26*1,5	D	38	1,49	C	69	2,71	0,3	0,66
	QCA-12B-M18L	MALE	E	27	1,06	M26*1,5	F	20,48	0,80	H	47	1,85	0,13	0,286
20	QCA-20A-M15L	FEMALE	A	38	1,49	M22*1,5	D	46,1	1,81	C	83	3,26	0,57	1,254
	QCA-20B-M15L	MALE	E	36	1,41	M22*1,5	F	29	1,14	H	56	2,20	0,26	0,572
	QCA-20A-M18L	FEMALE	A	38	1,49	M26*1,5	D	46,1	1,81	C	83	3,26	0,58	1,276
	QCA-20B-M18L	MALE	E	36	1,41	M26*1,5	F	29	1,14	H	56	2,20	0,27	0,594
	QCA-20A-M22L	FEMALE	A	38	1,49	M30*2	D	46,1	1,81	C	83	3,26	0,59	1,298
	QCA-20B-M22L	MALE	E	36	1,41	M30*2	F	29	1,14	H	56	2,20	0,27	0,594
25	QCA-25A-M18L	FEMALE	A	46	1,81	M26*1,5	D	54	2,12	C	99,2	3,90	0,68	1,496
	QCA-25B-M18L	MALE	E	41	1,61	M26*1,5	F	34,21	1,34	H	66	2,59	0,32	0,704
	QCA-25A-M22L	FEMALE	A	46	1,81	M30*2	D	54	2,12	C	99,2	3,90	0,69	1,518
	QCA-25B-M22L	MALE	E	41	1,61	M30*2	F	34,21	1,34	H	66	2,59	0,32	0,704
	QCA-25A-M28L	FEMALE	A	46	1,81	M36*2	D	54	2,12	C	99,2	3,90	0,69	1,518
	QCA-25B-M28L	MALE	E	41	1,61	M36*2	F	34,21	1,34	H	66	2,59	0,33	0,726

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BODY SIZE	WORKING PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	31,5	4567	31,5	4567	31,5	4567	126	18270	126	18270	126	18270
10	31,5	4567	31,5	4567	31,5	4567	126	18270	126	18270	126	18270
12,5	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
19	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
25	20	2900	20	2900	20	2900	80	11600	80	11600	80	11600
31,5	20	2900	20	2900	20	2900	80	11600	80	11600	80	11600
40	16	2320	16	2320	16	2320	64	9280	64	9280	64	9280
50	10	1450	10	1450	10	1450	40	5800	40	5800	40	5800

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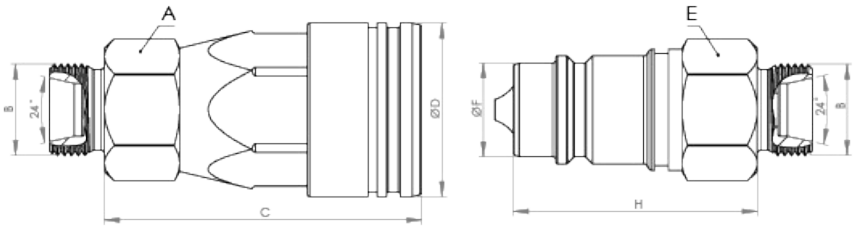
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				mm	inch			mm	inch		mm	inch	kg	lbs
31,5	QCA-31A-M22L	FEMALE	A	55	2,16	M30*2	D	68	2,67	C	117,2	4,61	1,31	2,882
	QCA-31B-M22L	MALE	E	50	1,96	M30*2	F	44,9	44,9	H	75	2,95	0,51	1,122
	QCA-31A-M28L	FEMALE	A	55	2,16	M36*2	D	68	2,67	C	117,2	4,61	1,31	2,882
	QCA-31B-M28L	MALE	E	50	1,96	M36*2	F	44,9	44,9	H	75	2,95	0,51	1,122
	QCA-31A-M35L	FEMALE	A	55	2,16	M45*2	D	68	2,67	C	117,2	4,61	1,31	2,882
	QCA-31B-M35L	MALE	E	50	1,96	M45*2	F	44,9	44,9	H	75	2,95	0,51	1,122
40	QCA-40A-M35L	FEMALE	A	70	2,75	M45*2	D	83	3,26	C	134,2	5,28	2,66	5,852
	QCA-40B-M35L	MALE	E	60	2,36	M45*2	F	54,93	2,16	H	84	3,30	0,96	2,112
	QCA-40A-M42L	FEMALE	A	70	2,75	M52*2	D	83	3,26	C	134,2	5,28	2,66	5,852
	QCA-40B-M42L	MALE	E	60	2,36	M52*2	F	54,93	2,16	H	84	3,30	0,96	2,112
50	QCA-50A-M35L	FEMALE	A	80	3,14	M45*2	D	99	3,89	C	160,2	6,30	3,89	8,558
	QCA-50B-M35L	MALE	E	75	2,95	M45*2	F	65	2,55	H	97	3,81	1,48	3,256
	QCA-50A-M42L	FEMALE	A	80	3,14	M52*2	D	99	3,89	C	160,2	6,30	3,89	8,558
	QCA-50B-M42L	MALE	E	75	2,95	M52*2	F	65	2,55	H	97	3,81	1,48	3,256

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BODY SIZE	WORKING PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	31,5	4567	31,5	4567	31,5	4567	126	18270	126	18270	126	18270
10	31,5	4567	31,5	4567	31,5	4567	126	18270	126	18270	126	18270
12,5	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
19	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
25	20	2900	V20	2900	20	2900	80	11600	80	11600	80	11600
31,5	20	2900	20	2900	20	2900	80	11600	80	11600	80	11600
40	16	2320	16	2320	16	2320	64	9280	64	9280	64	9280
50	10	1450	10	1450	10	1450	40	5800	40	5800	40	5800