POPPET TYPE - QCA - A SERIES

METRIC (S)



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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

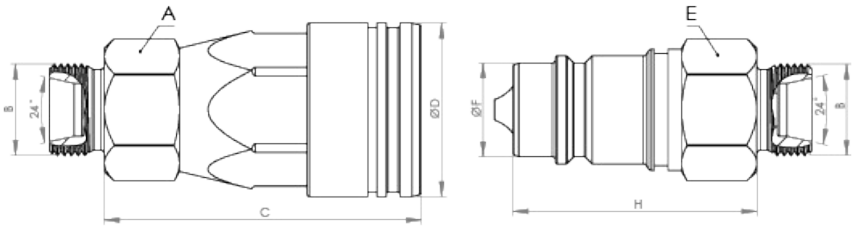
INFORMATION

· 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-M6S	FEMALE	A	-	-	M14*1,5	D	-	-	C	-	-	-	-
	QCA-6B-M6S	MALE	E	-	-	M14*1,5	F	-	-	H	-	-	-	-
10	QCA-10A-M8S	FEMALE	A	24	0,94	M16*1,5	D	32	1,25	C	58	2,28	0,2	0,44
	QCA-10B-M8S	MALE	E	22	0,86	M16*1,5	F	17,23	0,67	H	40	1,57	0,09	0,198
	QCA-10A-M10S	FEMALE	A	24	0,94	M18*1,5	D	32	1,25	C	58	2,28	0,2	0,44
	QCA-10B-M10S	MALE	E	22	0,86	M18*1,5	F	17,23	0,67	H	40	1,57	0,09	0,198
	QCA-10A-M12S	FEMALE	A	24	0,94	M20*1,5	D	32	1,25	C	58	2,28	0,21	0,462
	QCA-10B-M12S	MALE	E	22	0,86	M20*1,5	F	17,23	0,67	H	40	1,57	0,1	0,22
12,5	QCA-12A-M10S	FEMALE	A	30	1,18	M18*1,5	D	38	1,49	C	69	2,71	0,29	0,638
	QCA-12B-M10S	MALE	E	27	1,06	M18*1,5	F	20,48	0,80	H	47	1,85	0,13	0,286
	QCA-12A-M12S	FEMALE	A	30	1,18	M20*1,5	D	38	1,49	C	69	2,71	0,3	0,66
	QCA-12B-M12S	MALE	E	27	1,06	M20*1,5	F	20,48	0,80	H	47	1,85	0,13	0,286
	QCA-12A-M16S	FEMALE	A	30	1,18	M24*1,5	D	38	1,49	C	69	2,71	0,31	0,682
	QCA-12B-M16S	MALE	E	27	1,06	M24*1,5	F	20,48	0,80	H	47	1,85	0,14	0,308
20	QCA-20A-M12S	FEMALE	A	38	1,49	M20*1,5	D	46,1	1,81	C	83	3,26	0,57	1,254
	QCA-20B-M12S	MALE	E	36	1,41	M20*1,5	F	29	1,14	H	56	2,20	0,27	0,594
	QCA-20A-M16S	FEMALE	A	38	1,49	M24*1,5	D	46,1	1,81	C	83	3,26	0,58	1,276
	QCA-20B-M16S	MALE	E	36	1,41	M24*1,5	F	29	1,14	H	56	2,20	0,27	0,594
	QCA-20A-M20S	FEMALE	A	38	1,49	M30*2	D	46,1	1,81	C	83	3,26	0,59	1,298
	QCA-20B-M20S	MALE	E	36	1,41	M30*2	F	29	1,14	H	56	2,20	0,28	0,616

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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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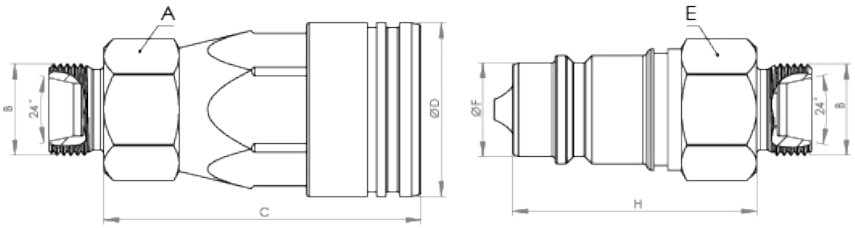
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				mm	inch			mm	inch		mm	inch	kg	lbs
25	QCA-25A-M16S	FEMALE	A	46	1,81	M24*1,5	D	54	2,12	C	99,2	3,90	0,68	1,496
	QCA-25B-M16S	MALE	E	41	1,61	M24*1,5	F	34,21	1,34	H	66	2,59	0,33	0,726
	QCA-25A-M20S	FEMALE	A	46	1,81	M30*2	D	54	2,12	C	99,2	3,90	0,7	1,54
	QCA-25B-M20S	MALE	E	41	1,61	M30*2	F	34,21	1,34	H	66	2,59	0,34	0,748
	QCA-25A-M25S	FEMALE	A	46	1,81	M36*2	D	54	2,12	C	99,2	3,90	0,71	1,562
	QCA-25B-M25S	MALE	E	41	1,61	M36*2	F	34,21	1,34	H	66	2,59	0,36	0,792
31,5	QCA-31A-M20S	FEMALE	A	55	2,16	M30*2	D	68	2,67	C	117,2	4,61	1,32	2,904
	QCA-31B-M20S	MALE	E	50	1,96	M30*2	F	44,9	44,9	H	75	2,95	0,52	1,144
	QCA-31A-M25S	FEMALE	A	55	2,16	M36*2	D	68	2,67	C	117,2	4,61	1,33	2,926
	QCA-31B-M25S	MALE	E	50	1,96	M36*2	F	44,9	44,9	H	75	2,95	0,52	1,144
	QCA-31A-M30S	FEMALE	A	55	2,16	M42*2	D	68	2,67	C	117,2	4,61	1,34	2,948
	QCA-31B-M30S	MALE	E	50	1,96	M42*2	F	44,9	44,9	H	75	2,95	0,52	1,144
40	QCA-40A-M30S	FEMALE	A	70	2,75	M42*2	D	83	3,26	C	134,2	5,28	2,65	5,83
	QCA-40B-M30S	MALE	E	60	2,36	M42*2	F	54,93	2,16	H	84	3,30	0,97	2,134
	QCA-40A-M38S	FEMALE	A	70	2,75	M52*2	D	83	3,26	C	134,2	5,28	2,66	5,852
	QCA-40B-M38S	MALE	E	60	2,36	M52*2	F	54,93	2,16	H	84	3,30	0,97	2,134
50	QCA-50A-M30S	FEMALE	A	80	3,14	M42*2	D	99	3,89	C	160,2	6,30	3,9	8,58
	QCA-50B-M30S	MALE	E	75	2,95	M42*2	F	65	2,55	H	97	3,81	1,49	3,278
	QCA-50A-M38S	FEMALE	A	80	3,14	M52*2	D	99	3,89	C	160,2	6,30	3,91	8,602
	QCA-50B-M38S	MALE	E	75	2,95	M52*2	F	65	2,55	H	97	3,81	1,5	3,3

ISO-8434-1

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