POPPET TYPE - QCB - B SERIES

BSPP



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FOR 3D SECTION

TECHNICAL FEATURES AND OPTIONS

Locking Mechanism
Locking Ball System

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +100 °C

Interchange
ISO 7241-B

How to Connect
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSPP

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

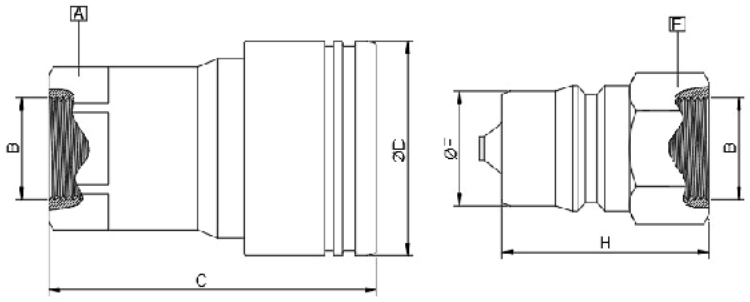
INFORMATION

· 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	QCB-6A-G14	FEMALE	A	22	0,87	1/4 "	D	30	1,18	C	63	2,48	0,15	0,33
	QCB-6B-G14	MALE	E	19	0,75	1/4"	F	14,15	0,56	H	41	1,61	0,05	0,11
10	QCB-10A-G38	FEMALE	A	24	0,94	3/8"	D	35	1,38	C	64,5	2,54	0,16	0,35
	QCB-10B-G38	MALE	E	22	0,86	3/8"	F	19,05	0,75	H	45	1,77	0,06	0,13
12,5	QCB-12A-G12	FEMALE	A	30	1,18	1/2"	D	44	1,73	C	74,3	2,92	0,27	0,59
	QCB-12B-G12	MALE	E	27	1,06	1/2"	F	23,5	0,92	H	47	1,85	0,09	0,19
20	QCB-20A-G34	FEMALE	A	38	1,49	3/4"	D	51	2	C	89,8	3,53	0,49	1,07
	QCB-20B-G34	MALE	E	36	1,41	3/4"	F	31,4	1,24	H	56	2,2	0,21	0,46
25	QCB-25A-G1	FEMALE	A	46	1,81	1"	D	60	2,36	C	106	4,17	0,75	1,65
	QCB-25B-G1	MALE	E	41	1,61	1"	F	37,75	1,49	H	66	2,59	0,31	0,68

ISO 1179-1

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	6	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
10	10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
12,5	12,5	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
20	20	16	2320	16	2320	16	2320	64	9280	64	9280	64	9280
25	25	10	1450	10	1450	10	1450	40	5800	40	5800	40	5800
40	40	6,3	914	6,3	914	6,3	914	25	3625	25	3625	25	3625
50	50	5	725	5	725	5	725	20	2900	20	2900	20	2900

BODY SIZE	RATED FLOW			FLUID LOSS PER DİSCONNECT	CONNECTİNG FORCE		DİSCONNECTİNG FORCE	
	PRES.DROP (kPa)	L/MİN	GPM	ml	N	lbf	N	lbf
6	100	12	2,64	2	50	11,2	20	4,5
10	180	23	5,06	2	70	15	30	6,75
12,5	200	45	9,91	2,5	90	20,22	45	10,11
20	200	106	23,34	9	140	31,46	50	11,23
25	250	189	41,62	25	190	42,69	55	12,35
31,5	200	288	63,43	60	230	51,68	65	14,6
40	200	379	83,48	90	250	56,17	70	15,73
50	200	757	166,74	150	270	60,67	80	17,97