POPET SCREW - QC - STC SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 189 l / min
- Material: Carbon Steel, Stainless Steel
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 14541
- Connection System: Screw
- Operating Pressure: Up to 350 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Can be Removable Under Residual Pressure
- Available Sizes: From 1/4" to 1"
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

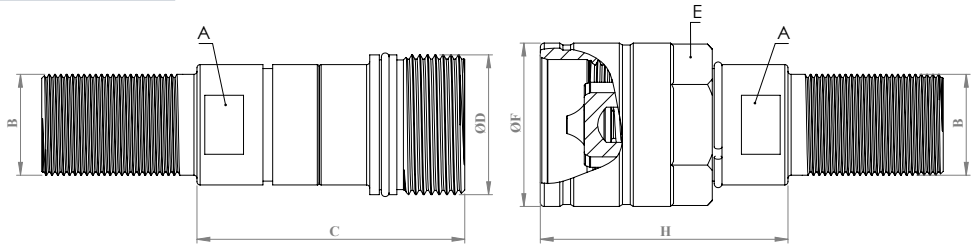
WARNING

- Connection or disconnection during flow and under dynamic pressure is not allowed.
- Connection or Disconnection is not allowed when the internal circuit temperature is higher than 80°C / 176°F
- Usage over the maximum working pressures is not allowed.
- Please ensure that the OLEOCON product series you have chosen is compatible with the temperature , material and pressure requirements of your system.
- Please contact with OLEOCON technical support for any further questions.

INFORMATION

- Connection or disconnection of the counterparts under residual pressure (max.100 bar) are allowed.
- Top quality sealing rings provides high level of protection.
- The designs are developed to prevent pressure drops and turbulences.
- External o-ring ensures the correct connection of the counterparts and prevents disconnection of the counterparts due to vibration.
- Durable and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dustaccumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-M6L-BH	FEMALE	BSP	A	17	0,66	M12*1,5	D	M24*2	-	C	61,7	2,42	0,25	0,55
	QC-STC-6B-M6L-BH	MALE	BSP	E	30	1,18	M12*1,5	F	34	-	H	59	2,32	0,16	0,352
10	QC-STC-10A-M8L-BH	FEMALE	BSP	A	22	0,86	M14*1,5	D	M28*2	-	C	62,9	2,47	0,24	0,528
	QC-STC-10B-M8L-BH	MALE	BSP	E	30	1,18	M14*1,5	F	34	-	H	60,5	2,38	0,21	0,462
	QC-STC-10A-M10L-BH	FEMALE	BSP	A	22	0,86	M16*1,5	D	M28*2	-	C	62,9	2,47	0,25	0,55
	QC-STC-10B-M10L-BH	MALE	BSP	E	30	1,18	M16*1,5	F	34	-	H	60,5	2,38	0,22	0,484
	QC-STC-10A-M12L-BH	FEMALE	BSP	A	22	0,86	M18*1,5	D	M28*2	-	C	62,9	2,47	0,26	0,572
	QC-STC-10B-M12L-BH	MALE	BSP	E	30	1,18	M18*1,5	F	34	-	H	60,5	2,38	0,23	0,506
12,5	QC-STC-12A-M12L-BH	FEMALE	BSP	A	27	1,06	M18*1,5	D	M36*2	-	C	69	2,71	0,38	0,836
	QC-STC-12B-M12L-BH	MALE	BSP	E	36	1,41	M18*1,5	F	42,1	-	H	63,8	2,51	0,37	0,814
	QC-STC-12A-M15L-BH	FEMALE	BSP	A	27	1,06	M22*1,5	D	M36*2	-	C	69	2,71	0,4	0,88
	QC-STC-12B-M15L-BH	MALE	BSP	E	36	1,41	M22*1,5	F	42,1	-	H	63,8	2,51	0,39	0,858
	QC-STC-12A-M18L-BH	FEMALE	BSP	A	27	1,06	M26*1,5	D	M36*2	-	C	69	2,71	0,42	0,924
	QC-STC-12B-M18L-BH	MALE	BSP	E	36	1,41	M26*1,5	F	42,1	-	H	63,8	2,51	0,41	0,902
19	QC-STC-20A-M15L-BH	FEMALE	BSP	A	32	1,25	M22*1,5	D	M42*2	-	C	85,5	3,36	0,59	1,298
	QC-STC-20B-M15L-BH	MALE	BSP	E	41	1,61	M22*1,5	F	48,5	-	H	76	2,99	0,57	1,254
	QC-STC-20A-M18L-BH	FEMALE	BSP	A	32	1,25	M26*1,5	D	M42*2	-	C	85,5	3,36	0,62	1,364
	QC-STC-20B-M18L-BH	MALE	BSP	E	41	1,61	M26*1,5	F	48,5	-	H	76	2,99	0,6	1,32
	QC-STC-20A-M22L-BH	FEMALE	BSP	A	32	1,25	M30*2	D	M42*2	-	C	85,5	3,36	0,63	1,386
	QC-STC-20B-M22L-BH	MALE	BSP	E	41	1,61	M30*2	F	48,5	-	H	76	2,99	0,61	1,342
25	QC-STC-25A-M18L-BH	FEMALE	BSP	A	41	1,61	M26*1,5	D	M48*3	-	C	97,5	3,83	0,85	1,87
	QC-STC-25B-M18L-BH	MALE	BSP	E	50	1,96	M26*1,5	F	54,5	-	H	82	3,22	0,88	1,936
	QC-STC-25A-M22L-BH	FEMALE	BSP	A	41	1,61	M30*2	D	M48*3	-	C	97,5	3,83	0,86	1,892
	QC-STC-25B-M22L-BH	MALE	BSP	E	50	1,96	M30*2	F	54,5	-	H	82	3,22	0,89	1,958
	QC-STC-25A-M28L-BH	FEMALE	BSP	A	41	1,61	M36*2	D	M48*3	-	C	97,5	3,83	0,87	1,914
	QC-STC-25B-M28L-BH	MALE	BSP	E	50	1,96	M36*2	F	54,5	-	H	82	3,22	0,9	1,98

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	35	5075	35	5075	35	5075	140	20300	140	20300	140	20300
10	30	4350	30	4350	30	4350	120	17400	120	17400	120	17400
12,5	30	4350	30	4350	30	4350	120	17400	120	17400	120	17400
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

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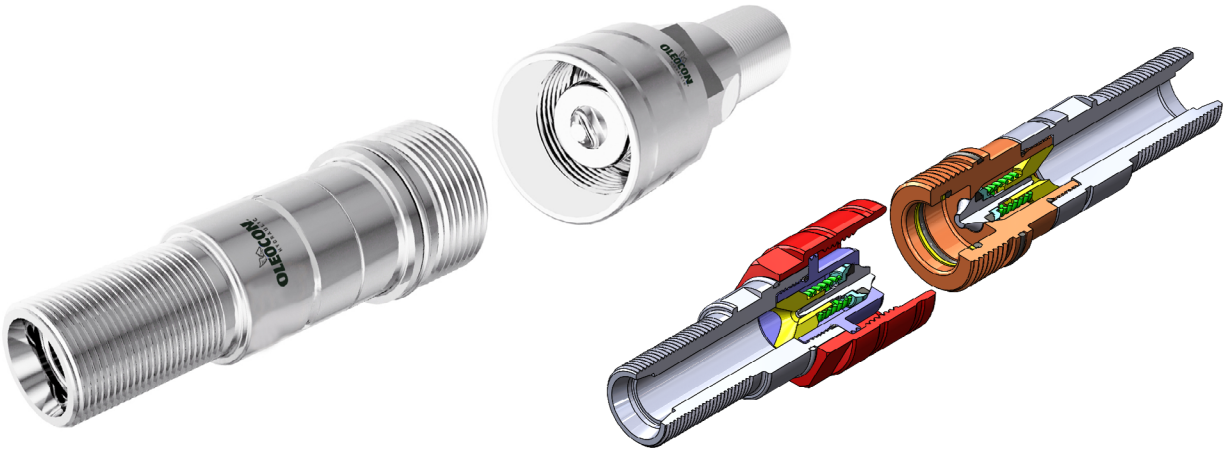

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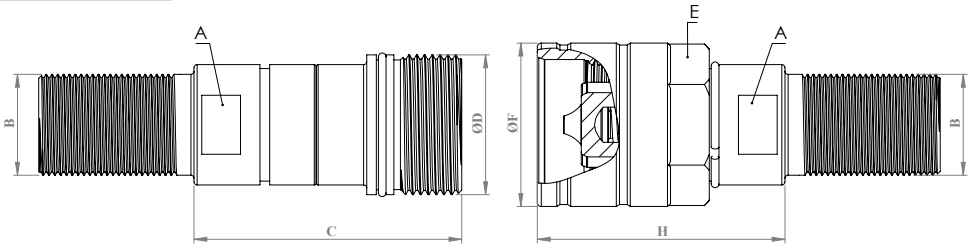

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	QC-STC-6B-M6S-BH	MALE	BSP	E	30	1,18	M14*1,5	F	34	-	H	59	2,32	0,17	0,374
10	QC-STC-10A-M8S-BH	FEMALE	BSP	A	22	0,86	M16*1,5	D	M28*2	-	C	62,9	2,47	0,26	0,572
	QC-STC-10B-M8S-BH	MALE	BSP	E	30	1,18	M16*1,5	F	34	-	H	60,5	2,38	0,23	0,506
	QC-STC-10A-M10S-BH	FEMALE	BSP	A	22	0,86	M18*1,5	D	M28*2	-	C	62,9	2,47	0,27	0,594
	QC-STC-10B-M10S-BH	MALE	BSP	E	30	1,18	M18*1,5	F	34	-	H	60,5	2,38	0,24	0,528
	QC-STC-10A-M12S-BH	FEMALE	BSP	A	22	0,86	M20*1,5	D	M28*2	-	C	62,9	2,47	0,28	0,616
	QC-STC-10B-M12S-BH	MALE	BSP	E	30	1,18	M20*1,5	F	34	-	H	60,5	2,38	0,25	0,55
12,5	QC-STC-12A-M10S-BH	FEMALE	BSP	A	27	1,06	M18*1,5	D	M36*2	-	C	69	2,71	0,39	0,858
	QC-STC-12B-M10S-BH	MALE	BSP	E	36	1,41	M18*1,5	F	42,1	-	H	63,8	2,51	0,38	0,836
	QC-STC-12A-M12S-BH	FEMALE	BSP	A	27	1,06	M20*1,5	D	M36*2	-	C	69	2,71	0,41	0,902
	QC-STC-12B-M12S-BH	MALE	BSP	E	36	1,41	M20*1,5	F	42,1	-	H	63,8	2,51	0,4	0,88
	QC-STC-12A-M16S-BH	FEMALE	BSP	A	27	1,06	M24*1,5	D	M36*2	-	C	69	2,71	0,43	0,946
	QC-STC-12B-M16S-BH	MALE	BSP	E	36	1,41	M24*1,5	F	42,1	-	H	63,8	2,51	0,42	0,924
19	QC-STC-20A-M12S-BH	FEMALE	BSP	A	32	1,25	M20*1,5	D	M42*2	-	C	85,5	3,36	0,61	1,342
	QC-STC-20B-M12S-BH	MALE	BSP	E	41	1,61	M20*1,5	F	48,5	-	H	76	2,99	0,59	1,298
	QC-STC-20A-M16S-BH	FEMALE	BSP	A	32	1,25	M24*1,5	D	M42*2	-	C	85,5	3,36	0,63	1,386
	QC-STC-20B-M16S-BH	MALE	BSP	E	41	1,61	M24*1,5	F	48,5	-	H	76	2,99	0,61	1,342
	QC-STC-20A-M20S-BH	FEMALE	BSP	A	32	1,25	M30*2	D	M42*2	-	C	85,5	3,36	0,67	1,474
	QC-STC-20B-M20S-BH	MALE	BSP	E	41	1,61	M30*2	F	48,5	-	H	76	2,99	0,65	1,43
25	QC-STC-25A-M16S-BH	FEMALE	BSP	A	41	1,61	M24*1,5	D	M48*3	-	C	97,5	3,83	0,85	1,87
	QC-STC-25B-M16S-BH	MALE	BSP	E	50	1,96	M24*1,5	F	54,5	-	H	82	3,22	0,88	1,936
	QC-STC-25A-M20S-BH	FEMALE	BSP	A	41	1,61	M30*2	D	M48*3	-	C	97,5	3,83	0,9	1,98
	QC-STC-25B-M20S-BH	MALE	BSP	E	50	1,96	M30*2	F	54,5	-	H	82	3,22	0,93	2,046
	QC-STC-25A-M25S-BH	FEMALE	BSP	A	41	1,61	M36*2	D	M48*3	-	C	97,5	3,83	0,96	2,112
	QC-STC-25B-M25S-BH	MALE	BSP	E	50	1,96	M36*2	F	54,5	-	H	82	3,22	0,99	2,178

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	35	5075	35	5075	35	5075	140	20300	140	20300	140	20300
10	30	4350	30	4350	30	4350	120	17400	120	17400	120	17400
12,5	30	4350	30	4350	30	4350	120	17400	120	17400	120	17400
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