OLEOCON®
HYDRAULIC

TECHNICAL CATALOG

2022

INNOVATION FOR
SUSTAINABILITY

www.oleocon.com.tr

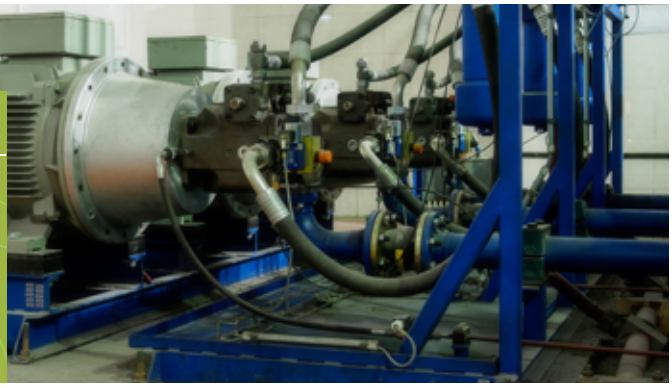
WHAT WE DO?

OIL & GAS

Oleocon couplings are used in exploration, extraction, field services (upstream), storage and conveyance (downstream) of crude oil and natural gas.

HYDRAULIC INDUSTRY

Oleocon couplings are present on machineries and systems used for industrial manufacturing and application.



EARTH MOVING

Oleocon couplings are suitable for systems and products related with controlling mobile equipment used in off-highway applications. Oleocon products have been successfully proven for years in heavy duty applications and in connect under pressure conditions.

HYDRAULIC EQUIPMENT

Oleocon couplings are suitable for various hydraulic equipment related machines and systems, such as machine tools and automation, measurement and control and for powered hand tools.

CONCRETE VEHICLES

Oleocon couplings are present on vehicles hydraulic applications systems, to connect different tools or trailers. Oleocon products are particularly appreciated by body manufacturers for their high performances and for their ability to withstand heavy duty applications.

AGRICULTURE

From conventional 'poppet design' profile to flat face and multi couplings, Oleocon couplings are present on agricultural machines and attachments.

VEHICLES

Oleocon coupling are used on water and water glycol cooling system machineries.

CHEMICAL INDUSTRY

Oleocon couplings are used in chemical applications where flow performances associated with non-spill design allows to increase system specifications and to protect the environment.

PRODUCTS

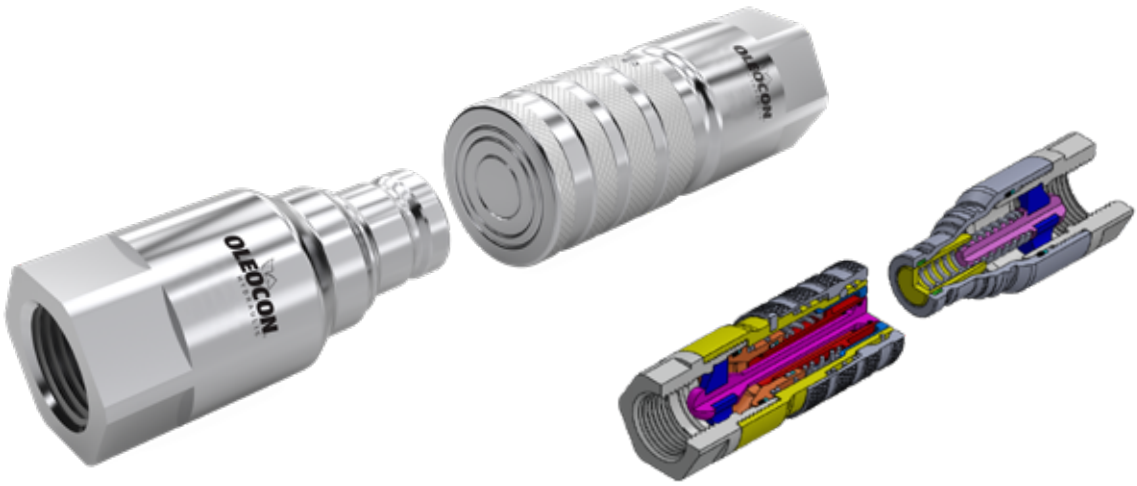
QUICK COUPLINGS

DUST COVER

BALL VALVES

SWIWEL JOINT

FLAT FACE - QCF SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
16028

Connection System
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
Flat Face

MAIN APPLICATIONS

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

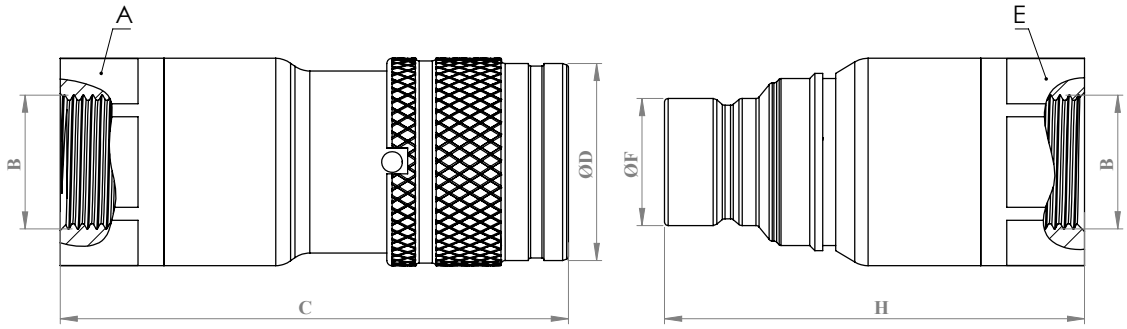
WARNING

- 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

- Flat face design prevents dirt or dust accumulation in the circuit.
- Environment friendly design which prevents fluid spillage during disconnection.
- Top quality sealing rings provides high level of protection.
- Linear flow prevents pressure drops and turbulences.
- Durable, safe, compact and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.
- Safety lock feature prevents accidental disconnection.

TECHNICAL DRAWING



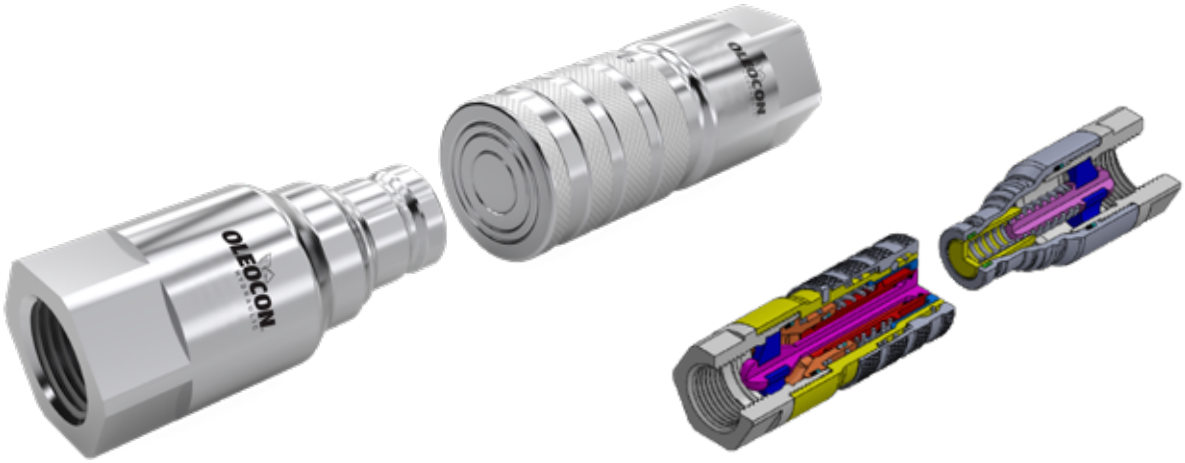
BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-G14	FEMALE	A	-	-	1/4	D	-	-	C	-	-	-	-
	QCF-6B-G14	MALE	E	-	-	1/4	F	-	-	H	-	-	-	-
10	QCF-10A-G38	FEMALE	A	30	1,18	3/8	D	32	1,25	C	84	3,30	0,37	0,81
	QCF-10B-G38	MALE	E	30	1,18	3/8	F	19,7	0,77	H	74	2,91	0,24	0,52
	QCF-10A-G12	FEMALE	A	30	1,18	1/2	D	32	1,25	C	83	3,26	0,35	0,77
	QCF-10B-G12	MALE	E	30	1,18	1/2	F	19,7	0,77	H	73	2,87	0,22	0,48
12,5	QCF-12A-G12	FEMALE	A	36	1,41	1/2	D	38	1,49	C	99	3,89	0,63	1,38
	QCF-12B-G12	MALE	E	36	1,41	1/2	F	24,5	0,96	H	82	3,22	0,4	0,88
	QCF-12A-G34	FEMALE	A	36	1,41	3/4	D	38	1,49	C	98	3,85	0,59	1,27
	QCF-12B-G34	MALE	E	36	1,41	3/4	F	24,5	0,96	H	81	3,18	0,35	0,77
19	QCF-19A-G34	FEMALE	A	41	1,61	3/4	D	46,1	1,81	C	116	4,56	0,98	2,15
	QCF-19B-G34	MALE	E	41	1,61	3/4	F	29,9	1,17	H	97	3,81	0,58	1,27
	QCF-19A-G1	FEMALE	A	41	1,61	1	D	46,1	1,81	C	115	4,52	0,92	2,02
	QCF-19B-G1	MALE	E	41	1,61	1	F	29,9	1,17	H	96	3,77	0,52	1,14
25	QCF-25A-G1	FEMALE	A	50	1,96	1	D	55	2,16	C	123	4,84	1,48	3,25
	QCF-25B-G1	MALE	E	50	1,96	1	F	36	1,41	H	106	4,17	0,89	1,95
	QCF-25A-G114	FEMALE	A	55	2,16	1 1/4	D	55	2,16	C	121	4,76	1,37	3,01
	QCF-25B-G114	MALE	E	55	2,16	1 1/4	F	36	1,41	H	104	4,09	0,78	1,71

ISO 1179-1 BSPP

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
10	100	23	5,06	0,035	170	38,2	40	8,98
12,5	100	45	9,91	0,07	190	42,69	50	11,23
19	100	100	22,02	0,15	220	49,43	70	15,73
25	100	189	41,62	0,25	250	56,17	80	17,97

FLAT FACE - QCF SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

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Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

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-20 °C / +90 °C

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16028

Connection System
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
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INFORMATION

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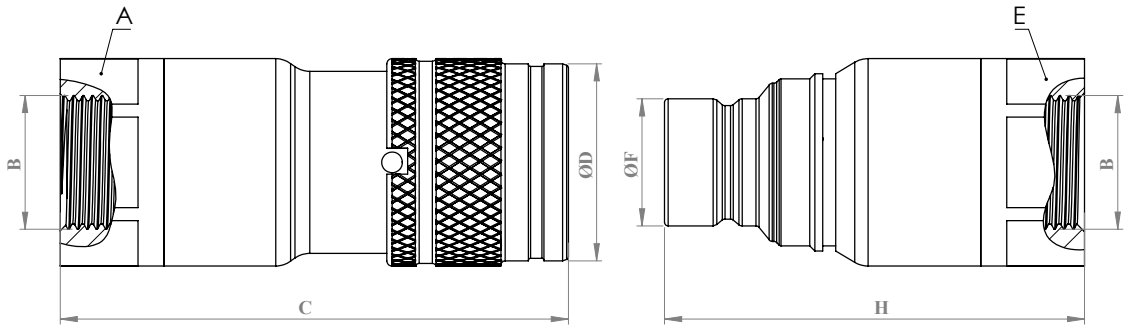
TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-NPT14	FEMALE	A	-	-	1/4	D	-	-	C	-	-	-	-
	QCF-6B-NPT14	MALE	E	-	-	1/4	F	-	-	H	-	-	-	-
10	QCF-10A-NPT38	FEMALE	A	30	1,18	3/8	D	32	1,25	C	84	3,30	0,37	0,81
	QCF-10B-NPT38	MALE	E	30	1,18	3/8	F	19,7	0,77	H	74	2,91	0,24	0,52
	QCF-10A-NPT12	FEMALE	A	30	1,18	1/2	D	32	1,25	C	83	3,26	0,35	0,77
	QCF-10B-NPT12	MALE	E	30	1,18	1/2	F	19,7	0,77	H	73	2,87	0,22	0,48
12,5	QCF-12A-NPT12	FEMALE	A	36	1,41	1/2	D	38	1,49	C	99	3,89	0,63	1,38
	QCF-12B-NPT12	MALE	E	36	1,41	1/2	F	24,5	0,96	H	82	3,22	0,4	0,88
	QCF-12A-NPT34	FEMALE	A	36	1,41	3/4	D	38	1,49	C	98	3,85	0,59	1,27
	QCF-12B-NPT34	MALE	E	36	1,41	3/4	F	24,5	0,96	H	81	3,18	0,35	0,77
19	QCF-19A-NPT34	FEMALE	A	41	1,61	3/4	D	46,1	1,81	C	116	4,56	0,98	2,15
	QCF-19B-NPT34	MALE	E	41	1,61	3/4	F	29,9	1,17	H	97	3,81	0,58	1,27
	QCF-19A-NPT1	FEMALE	A	41	1,61	1	D	46,1	1,81	C	115	4,52	0,92	2,02
	QCF-19B-NPT1	MALE	E	41	1,61	1	F	29,9	1,17	H	96	3,77	0,52	1,14
25	QCF-25A-NPT1	FEMALE	A	50	1,96	1	D	55	2,16	C	123	4,84	1,48	3,25
	QCF-25B-NPT1	MALE	E	50	1,96	1	F	36	1,41	H	106	4,17	0,89	1,95
	QCF-25A-NPT114	FEMALE	A	55	2,16	1 1/4	D	55	2,16	C	121	4,76	1,37	3,01
	QCF-25B-NPT114	MALE	E	55	2,16	1 1/4	F	36	1,41	H	104	4,09	0,78	1,71

ASME.B1.20.1.NPT

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
10	100	23	5,06	0,035	170	38,2	40	8,98
12,5	100	45	9,91	0,07	190	42,69	50	11,23
19	100	100	22,02	0,15	220	49,43	70	15,73
25	100	189	41,62	0,25	250	56,17	80	17,97

FLAT FACE - QCF SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

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Up to 189 l / min

Material
Carbon Steel
Stainless Steel
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Working Temperature
-20 °C / +90 °C

Interchange
16028

Connection System
Push

Operating Pressure
Up to 250 Bar

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Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
Flat Face

MAIN APPLICATIONS

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

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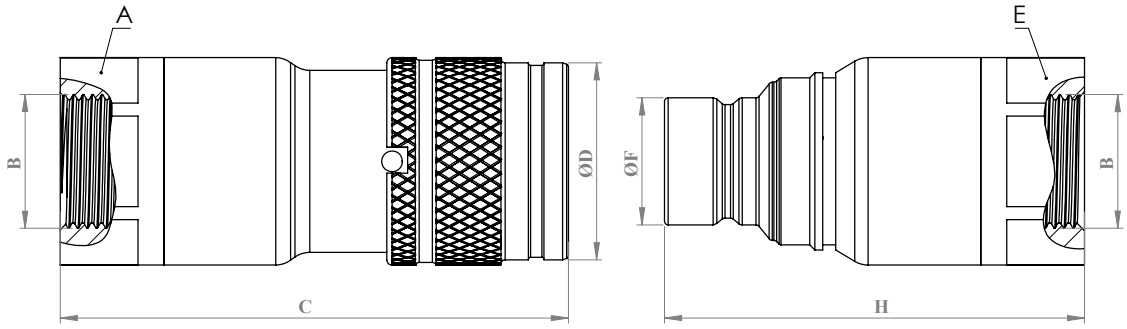

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				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-SAE4	FEMALE	A	-	-	7/16 UNF	D	-	-	C	-	-	-	-
	QCF-6B-SAE4	MALE	E	-	-	7/16 UNF	F	-	-	H	-	-	-	-
10	QCF-10A-SAE6	FEMALE	A	30	1,18	9/16 UNF	D	32	1,25	C	84	3,30	0,4	0,88
	QCF-10B-SAE6	MALE	E	30	1,18	9/16 UNF	F	19,7	0,77	H	74	2,91	0,25	0,55
	QCF-10A-SAE8	FEMALE	A	30	1,18	3/4UNF	D	32	1,25	C	83	3,26	0,41	0,902
	QCF-10B-SAE8	MALE	E	30	1,18	3/4 UNF	F	19,7	0,77	H	73	2,87	0,26	0,572
12,5	QCF-12A-SAE8	FEMALE	A	36	1,41	3/4 UNF	D	38	1,49	C	99	3,89	0,65	1,43
	QCF-12B-SAE8	MALE	E	36	1,41	3/4 UNF	F	24,5	0,96	H	82	3,22	0,42	0,924
	QCF-12A-SAE12	FEMALE	A	36	1,41	1 1/16 UN	D	38	1,49	C	98	3,85	0,63	1,386
	QCF-12B-SAE12	MALE	E	36	1,41	1 1/16 UN	F	24,5	0,96	H	81	3,18	0,39	0,858
19	QCF-19A-SAE12	FEMALE	A	41	1,61	1 1/16 UN	D	46,1	1,81	C	116	4,56	0,99	2,178
	QCF-19B-SAE12	MALE	E	41	1,61	1 1/16 UN	F	29,9	1,17	H	97	3,81	0,6	1,32
25	QCF-25A-SAE16	FEMALE	A	50	1,96	1 5/16 UN	D	55	2,16	C	123	4,84	1,52	3,344
	QCF-25B-SAE16	MALE	E	50	1,96	1 5/16 UN	F	36	1,41	H	106	4,17	0,92	2,024
	QCF-25A-SAE20	FEMALE	A	55	2,16	1 5/8 UN	D	55	2,16	C	121	4,76	1,42	3,124
	QCF-25B-SAE20	MALE	E	55	2,16	1 5/8 UN	F	36	1,41	H	104	4,09	0,82	1,804

ISO 11926-1

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
10	100	23	5,06	0,035	170	38,2	40	8,98
12,5	100	45	9,91	0,07	190	42,69	50	11,23
19	100	100	22,02	0,15	220	49,43	70	15,73
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FLAT FACE - QCF SERIES

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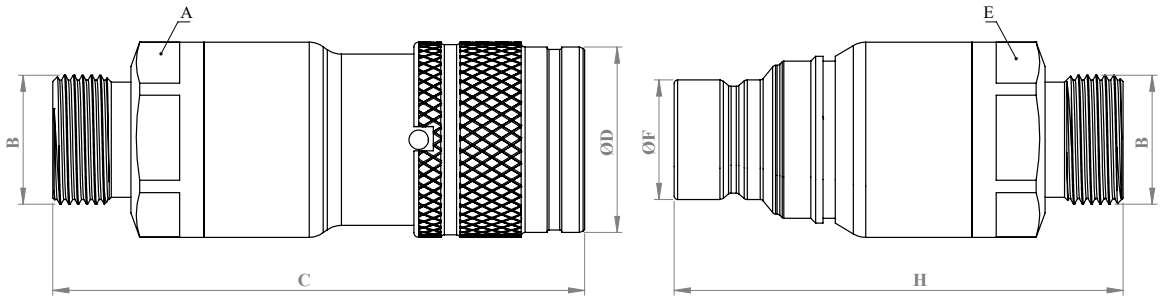

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				mm	inch			mm	inch		mm	inch	kg	lbs
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10	QCF-10A-G38M	FEMALE	A	30	1,18	3/8	D	32	1,25	C	84	3,30	0,39	0,858
	QCF-10B-G38M	MALE	E	30	1,18	3/8	F	19,7	0,77	H	74	2,91	0,25	0,55
	QCF-10A-G12M	FEMALE	A	30	1,18	1/2	D	32	1,25	C	83	3,26	0,4	0,88
	QCF-10B-G12M	MALE	E	30	1,18	1/2	F	19,7	0,77	H	73	2,87	0,26	0,572
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	QCF-12B-G12M	MALE	E	36	1,41	1/2	F	24,5	0,96	H	82	3,22	0,41	0,902
	QCF-12A-G34M	FEMALE	A	36	1,41	3/4	D	38	1,49	C	98	3,85	0,64	1,408
	QCF-12B-G34M	MALE	E	36	1,41	3/4	F	24,5	0,96	H	81	3,18	0,41	0,902
19	QCF-19A-G34M	FEMALE	A	41	1,61	3/4	D	46,1	1,81	C	116	4,56	0,98	2,156
	QCF-19B-G34M	MALE	E	41	1,61	3/4	F	29,9	1,17	H	97	3,81	0,6	1,32
	QCF-19A-G1M	FEMALE	A	41	1,61	1	D	46,1	1,81	C	115	4,52	0,99	2,178
	QCF-19B-G1M	MALE	E	41	1,61	1	F	29,9	1,17	H	96	3,77	0,61	1,342
25	QCF-25A-G1M	FEMALE	A	50	1,96	1	D	55	2,16	C	123	4,84	1,64	3,608
	QCF-25B-G1M	MALE	E	50	1,96	1	F	36	1,41	H	106	4,17	0,96	2,112
	QCF-25A-G114M	FEMALE	A	55	2,16	1 1/4	D	55	2,16	C	121	4,76	1,55	3,41
	QCF-25B-G114M	MALE	E	55	2,16	1 1/4	F	36	1,41	H	104	4,09	0,97	2,134

ISO 8434-6

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

FLAT FACE - QCF SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
16028

Connection System
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
Flat Face

MAIN APPLICATIONS

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

WARNING

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INFORMATION

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- Environment friendly design which prevents fluid spillage during disconnection.
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- Linear flow prevents pressure drops and turbulences.
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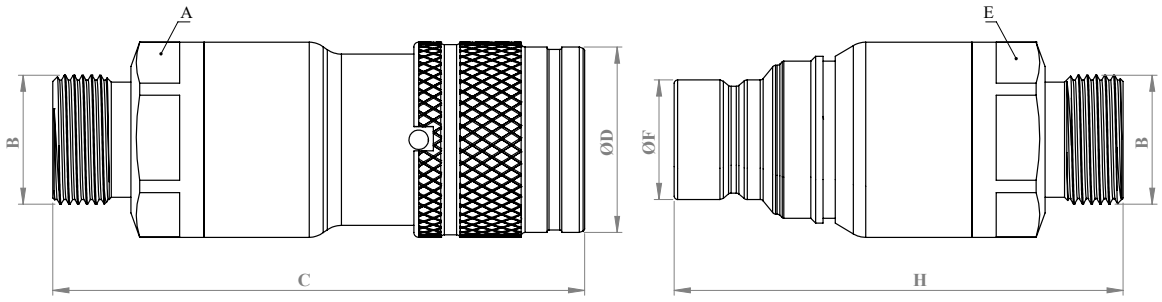
- Safety lock feature prevents accidental disconnection.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-8S	FEMALE	A	-	-	M16*1,5	D	-	-	C	-	-	-	-
	QCF-6B-8S	MALE	E	-	-	M16*1,5	F	-	-	H	-	-	-	-
10	QCF-10A-12S	FEMALE	A	30	1,18	M20*1,5	D	32	1,25	C	84	3,30	0,39	0,86
	QCF-10B-12S	MALE	E	30	1,18	M20*1,5	F	19,7	0,77	H	74	2,91	0,25	0,55
12,5	QCF-12A-16S	FEMALE	A	36	1,41	M24*1,5	D	38	1,49	C	99	3,89	0,64	1,41
	QCF-12B-16S	MALE	E	36	1,41	M24*1,5	F	24,5	0,96	H	82	3,22	0,4	0,88
19	QCF-19A-20S	FEMALE	A	41	1,61	M30*2	D	46,1	1,81	C	116	4,56	0,99	2,18
	QCF-19B-20S	MALE	E	41	1,61	M30*2	F	29,9	1,17	H	97	3,81	0,61	1,34
25	QCF-25A-25S	FEMALE	A	50	1,96	M36*2	D	55	2,16	C	123	4,84	1,58	3,48
	QCF-25B-25S	MALE	E	50	1,96	M36*2	F	36	1,41	H	106	4,17	0,99	2,18

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

FLAT FACE - QCF SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
16028

Connection System
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
Flat Face

MAIN APPLICATIONS

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

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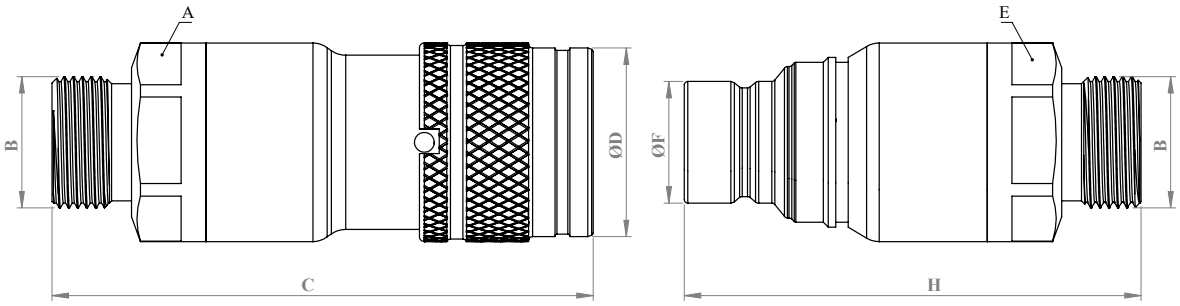

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				mm	inch			mm	inch		mm	inch	kg	lbs
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	QCF-6B-8L	MALE	E	-	-	M14*1,5	F	-	-	H	-	-	-	-
	QCF-6A-8L	FEMALE	A	-	-	M16*1,5								
	QCF-6A-8L	MALE	E	-	-	M16*1,5								
10	QCF-10A-10L	FEMALE	A	30	1,18	M16*1,5	D	32	1,25	C	84	3,30	0,38	0,84
	QCF-10B-10L	MALE	E	30	1,18	M16*1,5	F	19,7	0,77	H	74	2,91	0,24	0,53
	QCF-10A-12L	FEMALE	A	30	1,18	M18*1,5	D	32	1,25	C	83	3,26	0,38	0,84
	QCF-10B-12L	MALE	E	30	1,18	M18*1,5	F	19,7	0,77	H	73	2,87	0,24	0,53
	QCF-10A-15L	FEMALE	A	30	1,18	M22*1,5	D	32	1,25	C	83	3,26	0,39	0,86
	QCF-10B-15L	MALE	E	30	1,18	M22*1,5	F	19,7	0,77	H	73	2,87	0,25	0,55
12,5	QCF-12A-12L	FEMALE	A	36	1,41	M18*1,5	D	38	1,49	C	99	3,89	0,63	1,39
	QCF-12B-12	MALE	E	36	1,41	M18*1,5	F	24,5	0,96	H	82	3,22	0,4	0,88
	QCF-12A-15L	FEMALE	A	36	1,41	M22*1,5	D	38	1,49	C	98	3,85	0,63	1,39
	QCF-12B-15L	MALE	E	36	1,41	M22*1,5	F	24,5	0,96	H	81	3,18	0,4	0,88
	QCF-12A-18L	FEMALE	A	36	1,41	M26*1,5	D	38	1,49	C	98	3,85	0,63	1,39
	QCF-12B-18L	MALE	E	36	1,41	M26*1,5	F	24,5	0,96	H	81	3,18	0,4	0,88
19	QCF-19A-18L	FEMALE	A	41	1,61	M26*1,5	D	46,1	1,81	C	116	4,56	0,98	2,16
	QCF-19B-18L	MALE	E	41	1,61	M26*1,5	F	29,9	1,17	H	97	3,81	0,6	1,32
	QCF-19A-22L	FEMALE	A	41	1,61	M30*2	D	46,1	1,81	C	115	4,52	0,97	2,13
	QCF-19B-22L	MALE	E	41	1,61	M30*2	F	29,9	1,17	H	96	3,77	0,59	1,30
25	QCF-25A-28L	FEMALE	A	50	1,96	M36*2	D	55	2,16	C	123	4,84	1,5	3,30
	QCF-25B-28L	MALE	E	50	1,96	M36*2	F	36	1,41	H	106	4,17	0,92	2,02

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

FLAT FACE - QCF SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
16028

Connection System
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
Flat Face

MAIN APPLICATIONS

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

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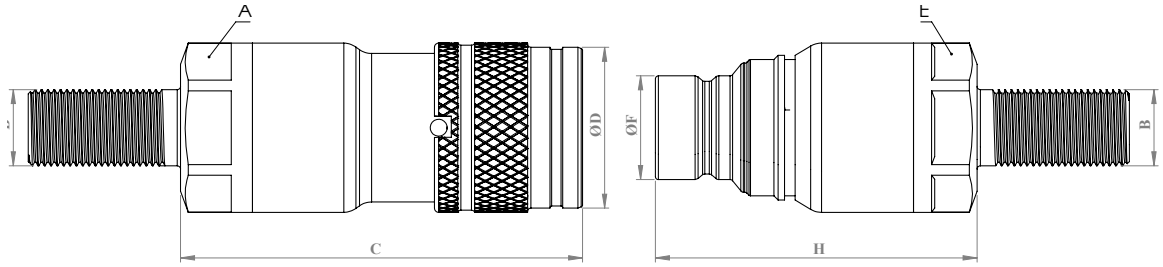

BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-8S-BH	FEMALE	A	-	-	M16*1,5	D	-	-	C	-	-	-	-
	QCF-6B-8S-BH	MALE	E	-	-	M16*1,5	F	-	-	H	-	-	-	-
10	QCF-10A-12S-BH	FEMALE	A	30	1,18	M20*1,5	D	32	1,25	C	84	3,30	0,44	0,968
	QCF-10B-12S-BH	MALE	E	30	1,18	M20*1,5	F	19,7	0,77	H	74	2,91	0,3	0,66
12,5	QCF-12A-16S-BH	FEMALE	A	36	1,41	M24*1,5	D	38	1,49	C	99	3,89	0,7	1,54
	QCF-12B-16S-BH	MALE	E	36	1,41	M24*1,5	F	24,5	0,96	H	82	3,22	0,47	1,034
19	QCF-19A-20S-BH	FEMALE	A	41	1,61	M30*2	D	46,1	1,81	C	116	4,56	1,09	2,398
	QCF-19B-20S-BH	MALE	E	41	1,61	M30*2	F	29,9	1,17	H	97	3,81	0,7	1,54
25	QCF-25A-25S-BH	FEMALE	A	50	1,96	M36*2	D	55	2,16	C	123	4,84	1,72	3,784
	QCF-25B-25S-BH	MALE	E	50	1,96	M36*2	F	36	1,41	H	106	4,17	1,12	2,464

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

FLAT FACE - QCF SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System
+Safety Lock

Flow Rate
Up to 189 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
16028

Connection System
Push

Operating Pressure
Up to 250 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: Not Allowed
Disconnection: Not Allowed

Body Sizes
ISO 10-25

Sealing Description
NBR - FKM

Valving Style
Flat Face

MAIN APPLICATIONS

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

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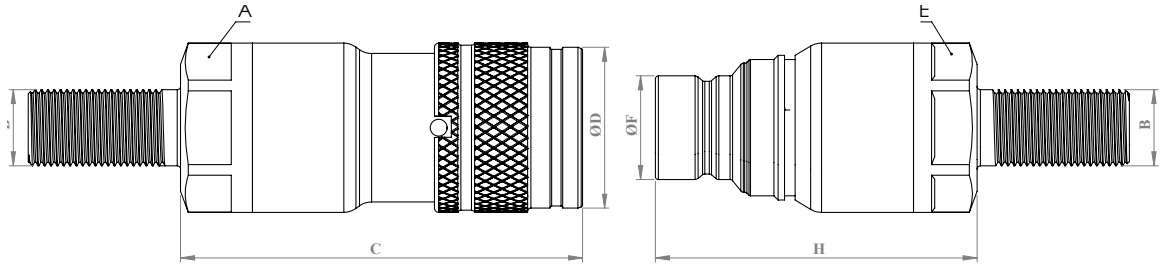

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				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-8L-BH	FEMALE	A	-	-	M14*1,5	D	-	-	C	-	-	-	-
	QCF-6B-8L-BH	MALE	E	-	-	M14*1,5	F	-	-	H	-	-	-	-
	QCF-6A-8L-BH	FEMALE	A	-	-	M16*1,5								
	QCF-6A-8L-BH	MALE	E	-	-	M16*1,5								
10	QCF-10A-10L-BH	FEMALE	A	30	1,18	M16*1,5	D	32	1,25	C	84	3,30	0,41	0,902
	QCF-10B-10L-BH	MALE	E	30	1,18	M16*1,5	F	19,7	0,77	H	74	2,91	0,27	0,594
	QCF-10A-12L-BH	FEMALE	A	30	1,18	M18*1,5	D	32	1,25	C	83	3,26	0,41	0,902
	QCF-10B-12L-BH	MALE	E	30	1,18	M18*1,5	F	19,7	0,77	H	73	2,87	0,27	0,594
	QCF-10A-15L-BH	FEMALE	A	30	1,18	M22*1,5	D	32	1,25	C	83	3,26	0,44	0,968
	QCF-10B-15L-BH	MALE	E	30	1,18	M22*1,5	F	19,7	0,77	H	73	2,87	0,29	0,638
12,5	QCF-12A-12L-BH	FEMALE	A	36	1,41	M18*1,5	D	38	1,49	C	99	3,89	0,66	1,452
	QCF-12B-12 BH	MALE	E	36	1,41	M18*1,5	F	24,5	0,96	H	82	3,22	0,43	0,946
	QCF-12A-15L-BH	FEMALE	A	36	1,41	M22*1,5	D	38	1,49	C	98	3,85	0,68	1,496
	QCF-12B-15L-BH	MALE	E	36	1,41	M22*1,5	F	24,5	0,96	H	81	3,18	0,45	0,99
	QCF-12A-18L-BH	FEMALE	A	36	1,41	M26*1,5	D	38	1,49	C	98	3,85	0,7	1,54
	QCF-12B-18L-BH	MALE	E	36	1,41	M26*1,5	F	24,5	0,96	H	81	3,18	0,47	1,034
19	QCF-19A-18L-BH	FEMALE	A	41	1,61	M26*1,5	D	46,1	1,81	C	116	4,56	1,05	2,31
	QCF-19B-18L-BH	MALE	E	41	1,61	M26*1,5	F	29,9	1,17	H	97	3,81	0,67	1,474
	QCF-19A-22L-BH	FEMALE	A	41	1,61	M30*2	D	46,1	1,81	C	115	4,52	1,06	2,332
	QCF-19B-22L-BH	MALE	E	41	1,61	M30*2	F	29,9	1,17	H	96	3,77	0,68	1,496
25	QCF-25A-28L-BH	FEMALE	A	50	1,96	M36*2	D	55	2,16	C	123	4,84	1,63	3,586
	QCF-25B-28L-BH	MALE	E	50	1,96	M36*2	F	36	1,41	H	106	4,17	1,04	2,288

ISO8434-1

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

FLAT FACE - QCF SERIES

TECHNICAL FEATURES AND OPTIONS

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Sealing Description
NBR - FKM

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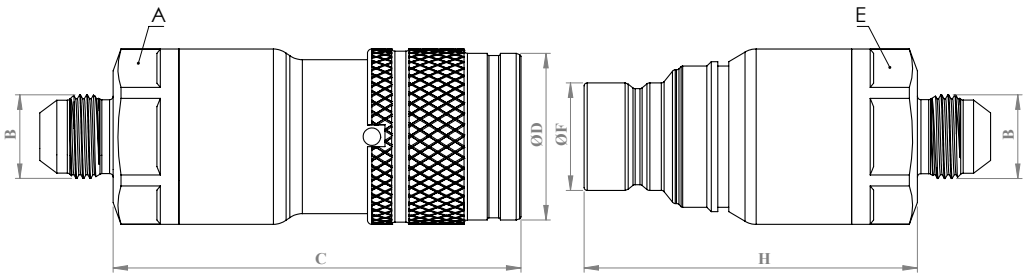
- Please ensure that the OLEOCON product series you have chosen is compatible with the temperature , material and pressure requirements of your system.
- Please contact with OLEOCON technical support for any further questions.

INFORMATION

- Flat face design prevents dirt or dust accumulation in the circuit.
- Environment friendly design which prevents fluid spillage during disconnection.
- Top quality sealing rings provides high level of protection.
- Linear flow prevents pressure drops and turbulences.
- Durable, safe, compact and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.
- Safety lock feature prevents accidental disconnection.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
06	QCF-6A-MSAE6	FEMALE	A	-	-	9/16-18 UNF	D	-	-	C	-	-	-	-
	QCF-6B-MSAE6	MALE	E	-	-	9/16-18 UNF	F	-	-	H	-	-	-	-
10	QCF-10A-MSAE6	FEMALE	A	30	1,18	9/16-18 UNF	D	32	1,25	C	84	3,30	0,39	0,858
	QCF-10B-MSAE6	MALE	E	30	1,18	9/16-18 UNF	F	19,7	0,77	H	74	2,91	0,24	0,528
	QCF-10A-MSAE8	FEMALE	A	30	1,18	3/4 -16 UNF	D	32	1,25	C	83	3,26	0,4	0,88
	QCF-10B-MSAE8	MALE	E	30	1,18	3/4 -16 UNF	F	19,7	0,77	H	73	2,87	0,25	0,55
	QCF-10A-MSAE10	FEMALE	A	30	1,18	7/8-14 UNF	D	32	1,25	C	83	3,26	0,4	0,88
	QCF-10B-MSAE10	MALE	E	30	1,18	7/8-14 UNF	F	19,7	0,77	H	73	2,87	0,26	0,572
12,5	QCF-12A-MSAE8	FEMALE	A	36	1,41	3/4 -16 UNF	D	38	1,49	C	99	3,89	0,63	1,386
	QCF-12B-MSAE8	MALE	E	36	1,41	3/4-16UNF	F	24,5	0,96	H	82	3,22	0,4	0,88
	QCF-12A-MSAE10	FEMALE	A	36	1,41	7/8-14UNF	D	38	1,49	C	98	3,85	0,64	1,408
	QCF-12B-MSAE10	MALE	E	36	1,41	7/8-14 UNF	F	24,5	0,96	H	81	3,18	0,41	0,902
19	QCF-19A-MSAE12	FEMALE	A	41	1,61	1 1/16 -12UN	D	46,1	1,81	C	116	4,56	1	2,2
	QCF-19B-MSAE12	MALE	E	41	1,61	1 1/16-12 UN	F	29,9	1,17	H	97	3,81	0,62	1,364
25	QCF-25A-MSAE16	FEMALE	A	50	1,96	1 5/16-12UN	D	55	2,16	C	123	4,84	1,56	3,432
	QCF-25B-MSAE16	MALE	E	50	1,96	1 5/16-12UN	F	36	1,41	H	106	4,17	0,98	2,156

ISO8434-2

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	-	-	-	-	-	-	-	-	-	-	-	-
10	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
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

FLAT FACE SCREW - APA 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: Oleocon
- Connection System: Screw
- Operating Pressure: Up to 350 Bar
- Available Threads: BSP
- Connection Under Pressure: Connetion: Both Side, Disconnection: Allowed
- Available Sizes: From 1" to 1-1/4"
- Sealing Description: NBR - FKM
- Valving Style: Flat Face

MAIN APPLICATIONS

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

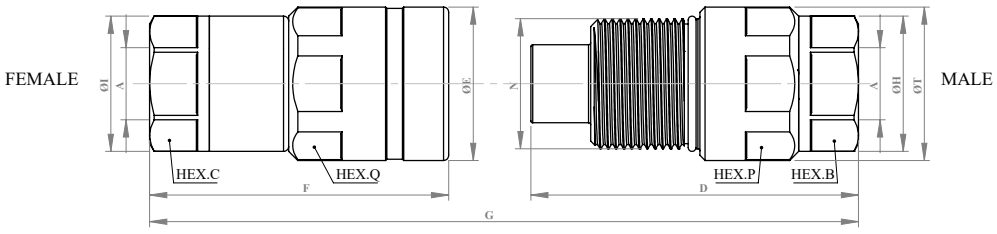
WARNING

- 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 are allowed.
- Flat face design prevents dirt or dust accumulation in the circuit.
- Environment friendly design which prevents fluid spillage during disconnection.
- Top quality sealing rings provides high level of protection.
- Linear flow prevents pressure drops and turbulences.
- Durable, safe, compact and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING



BODY SIZE	DESCRPTION	CAUPLING GENDER	N	HEX			HEX			THREAD SIZE (A)	DIAMETER			LENGHT			OVERALL LENGHT			WEIGHT	
					mm	inch		mm	inch			mm	inch		mm	inch		mm	inch	Kg	Lbs
19	APA-19A-G1	FEMALE	M50x3	C	46	1,81	Q	55	2,17	1"	E	59	2,33	F	115	4,54	G	218	8,62	0,413	0,909
	APA-19B-G1	MALE		B	46	1,81	P	55	2,17	1"	T	59	2,33	D	126	4,98				0,665	1,463
25	APA-25A-G114	FEMALE	M58x3	C	55	2,17	Q	65	2,57	1-1/4"	E	70	2,77	F	123	4,86	G	234,5	9,27	0,524	1,153
	APA-25B-G114	MALE		B	55	2,17	P	65	2,57	1-1/4"	T	70	2,77	D	135	5,33				0,974	2,143

BSPP ISO 1179-1

BODY SIZE	WORKİNG PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	-	-	-	-	-	-	-	-	-	-	-	-
19	35	5076	35	5076	35	5076	100	14500	100	14500	100	14500
25	30	4350	30	4350	30	4350	80	11600	80	11600	80	11600

BODY SIZE	RATED FLOW		
	PRES.DROP (kPa)	L/MIN	GPM
19	200	-	-
25	200	-	-

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

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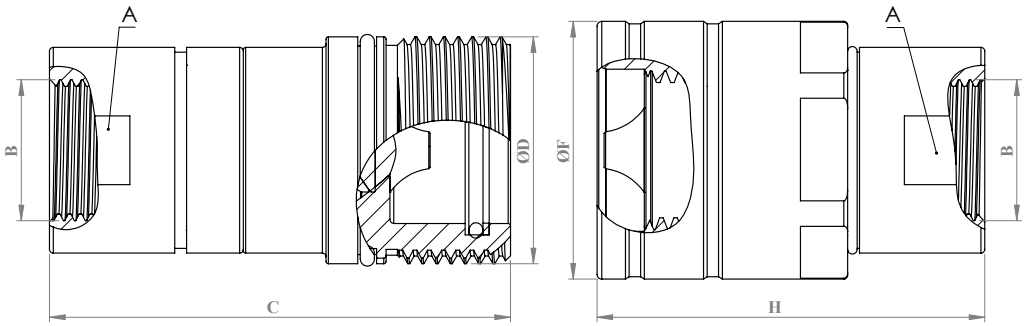
- Usage over the maximum working pressures is not allowed.
- Please ensure that the OLEOCON product series you have chosen iscompatible with the temperature, material and pressure requirements of your system.
- Please contact with OLEOCON technical support for any further questions.

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 dust accumulation 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-G14	FEMALE	BSP	A	17	0,66	1/4 "	D	M24*2	-	C	61,7	2,42	0,22	0,28
	QC-STC-6B-G14	MALE	BSP	E	30	1,18	1/4"	F	34	-	H	59	2,32	0,13	0,48
10	QC-STC-10A-G38	FEMALE	BSP	A	22	0,86	3/8"	D	M28*2	-	C	62,9	2,47	0,2	0,37
	QC-STC-10B-G38	MALE	BSP	E	30	1,18	3/8"	F	34	-	H	60,5	2,38	0,17	0,48
12,5	QC-STC-12A-G12	FEMALE	BSP	A	27	1,06	1/2"	D	M36*2	-	C	69	2,71	0,31	0,66
	QC-STC-12B-G12	MALE	BSP	E	36	1,41	1/2"	F	42,1	-	H	63,8	2,51	0,3	0,66
19	QC-STC-20A-G34	FEMALE	BSP	A	32	1,25	3/4''	D	M42*2	-	C	85,5	3,36	0,48	1,05
	QC-STC-20B-G34	MALE	BSP	E	41	1,61	3/4''	F	48,5	-	H	76	2,99	0,46	1,01
25	QC-STC-25A-G1	FEMALE	BSP	A	41	1,61	1"	D	M48*3	-	C	97,5	3,83	0,69	1,51
	QC-STC-25B-G1	MALE	BSP	E	50	1,96	1"	F	54,5	-	H	82	3,22	0,66	1,45

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	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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	250	12	2,64	0,8	1	0,74	0,5	0,37
10	200	23	5,06	1,4	1	0,74	0,5	0,37
12,5	150	45	9,91	2,7	1,5	1,11	1,2	0,88
19	220	106	23,34	9,3	2,5	1,84	2,2	1,62
25	270	189	41,62	15	3	2,22	2,5	1,84

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

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- Connection or disconnection during flow and under dynamic pressure is not allowed.
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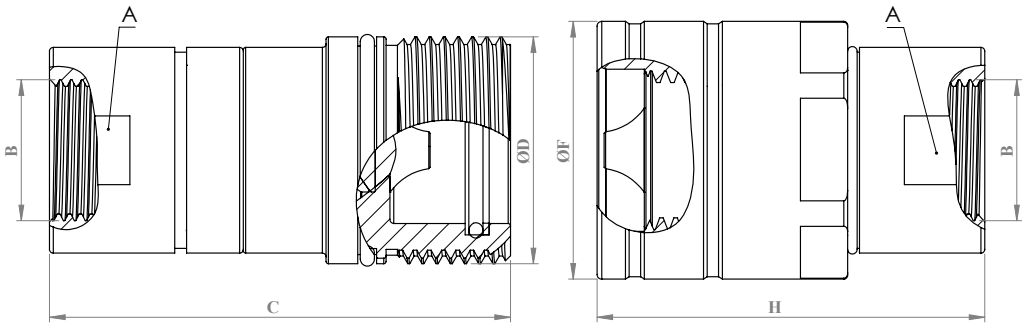
- Please contact with OLEOCON technical support for any further questions.

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 dust accumulation 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-NPT14	FEMALE	BSP	A	17	0,66	1/4 "	D	M24*2	-	C	61,7	2,42	0,14	0,308
	QC-STC-6B-NPT14	MALE	BSP	E	30	1,18	1/4"	F	34	-	H	59	2,32	0,23	0,48
10	QC-STC-10A-NPT38	FEMALE	BSP	A	22	0,86	3/8"	D	M28*2	-	C	62,9	2,47	0,18	0,37
	QC-STC-10B-NPT38	MALE	BSP	E	30	1,18	3/8"	F	34	-	H	60,5	2,38	0,23	0,48
12,5	QC-STC-12A-NPT12	FEMALE	BSP	A	27	1,06	1/2"	D	M36*2	-	C	69	2,71	0,32	0,66
	QC-STC-12B-NPT12	MALE	BSP	E	36	1,41	1/2"	F	42,1	-	H	63,8	2,51	0,31	0,66
19	QC-STC-20A-NPT34	FEMALE	BSP	A	32	1,25	3/4"	D	M42*2	-	C	85,5	3,36	0,49	1,05
	QC-STC-20B-NPT34	MALE	BSP	E	41	1,61	3/4"	F	48,5	-	H	76	2,99	0,47	1,01
25	QC-STC-25A-NPT1	FEMALE	BSP	A	41	1,61	1"	D	M48*3	-	C	97,5	3,83	0,72	1,51
	QC-STC-25B-NPT1	MALE	BSP	E	50	1,96	1"	F	54,5	-	H	82	3,22	0,68	1,45

ASME.B1.20.1.NPT

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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	250	12	2,64	0,8	1	0,74	0,5	0,37
10	200	23	5,06	1,4	1	0,74	0,5	0,37
12,5	150	45	9,91	2,7	1,5	1,11	1,2	0,88
19	220	106	23,34	9,3	2,5	1,84	2,2	1,62
25	270	189	41,62	15	3	2,22	2,5	1,84

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

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- External o-ring ensures the correct connection of the counterparts and prevents disconnection of the counterparts due to vibration.
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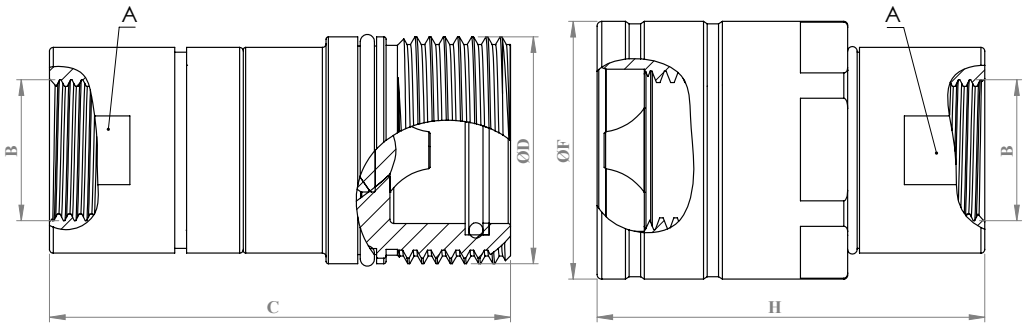
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING



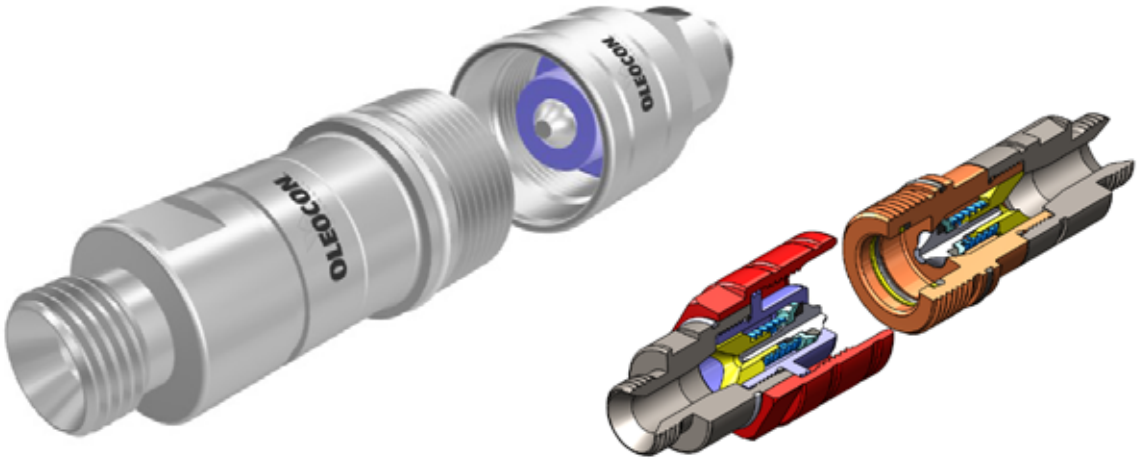
BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-SAE4	FEMALE	BSP	A	17	0,66	7/16 UNF	D	M24*2	-	C	61,7	2,42	0,12	0,264
	QC-STC-6B-SAE4	MALE	BSP	E	30	1,18	7/16 UNF	F	34	-	H	59	2,32	0,21	0,462
10	QC-STC-10A-SAE6	FEMALE	BSP	A	22	0,86	9/16 UNF	D	M28*2	-	C	62,9	2,47	0,16	0,352
	QC-STC-10B-SAE6	MALE	BSP	E	30	1,18	9/16 UNF	F	34	-	H	60,5	2,38	0,21	0,462
12,5	QC-STC-12A-SAE8	FEMALE	BSP	A	27	1,06	3/4 UNF	D	M36*2	-	C	69	2,71	0,31	0,682
	QC-STC-12B-SAE8	MALE	BSP	E	36	1,41	3/4 UNF	F	42,1	-	H	63,8	2,51	0,31	0,682
19	QC-STC-20A-SAE12	FEMALE	BSP	A	32	1,25	1 1/16 UN	D	M42*2	-	C	85,5	3,36	0,49	1,078
	QC-STC-20B-SAE12	MALE	BSP	E	41	1,61	1 1/16 UN	F	48,5	-	H	76	2,99	0,47	1,034
25	QC-STC-25A-SAE16	FEMALE	BSP	A	41	1,61	1 5/16 UN	D	M48*3	-	C	97,5	3,83	0,71	1,562
	QC-STC-25B-SAE16	MALE	BSP	E	50	1,96	1 5/16 UN	F	54,5	-	H	82	3,22	0,68	1,496

ISO 11926-1

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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	250	12	2,64	0,8	1	0,74	0,5	0,37
10	200	23	5,06	1,4	1	0,74	0,5	0,37
12,5	150	45	9,91	2,7	1,5	1,11	1,2	0,88
19	220	106	23,34	9,3	2,5	1,84	2,2	1,62
25	270	189	41,62	15	3	2,22	2,5	1,84

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

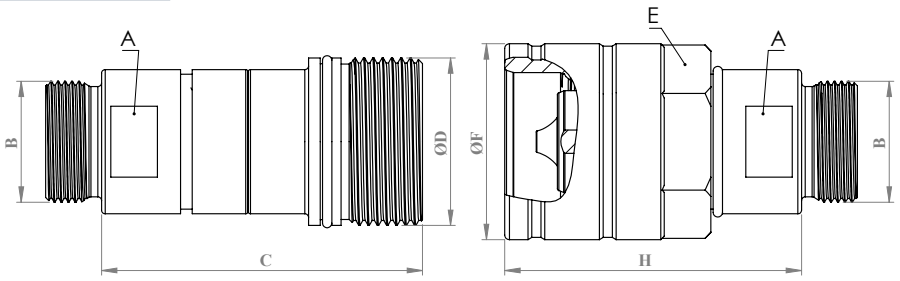
WARNING

- 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 dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING

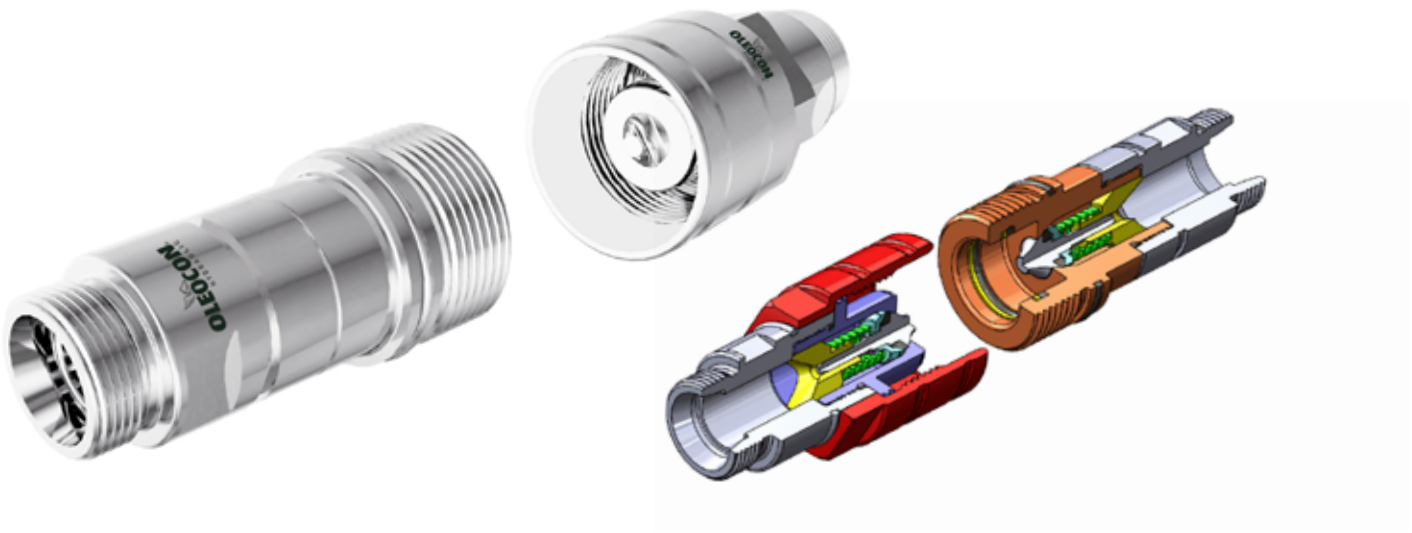


BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-MG14	FEMALE	BSP	A	17	0,66	1/4 "	D	M24*2	-	C	61,7	2,42	0,23	0,506
	QC-STC-6B-MG14	MALE	BSP	E	30	1,18	1/4"	F	34	-	H	59	2,32	0,15	0,33
10	QC-STC-10A-MG38	FEMALE	BSP	A	22	0,86	3/8"	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-MG38	MALE	BSP	E	30	1,18	3/8"	F	34	-	H	60,5	2,38	0,2	0,44
12,5	QC-STC-12A-MG12	FEMALE	BSP	A	27	1,06	1/2"	D	M36*2	-	C	69	2,71	0,36	0,792
	QC-STC-12B-MG12	MALE	BSP	E	36	1,41	1/2"	F	42,1	-	H	63,8	2,51	0,35	0,77
19	QC-STC-20A-MG34	FEMALE	BSP	A	32	1,25	3/4"	D	M42*2	-	C	85,5	3,36	0,55	1,21
	QC-STC-20B-MG34	MALE	BSP	E	41	1,61	3/4"	F	48,5	-	H	76	2,99	0,53	1,166
25	QC-STC-25A-MG1	FEMALE	BSP	A	41	1,61	1"	D	M48*3	-	C	97,5	3,83	0,78	1,716
	QC-STC-25B-MG1	MALE	BSP	E	50	1,96	1"	F	54,5	-	H	82	3,22	0,81	1,782

ISO-8434-6

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

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

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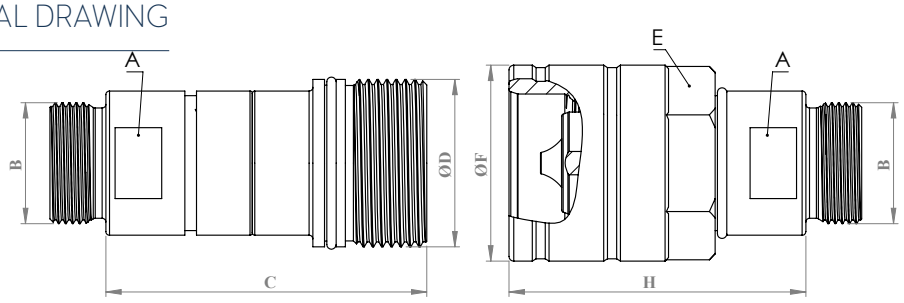
INFORMATION

- 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 dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING

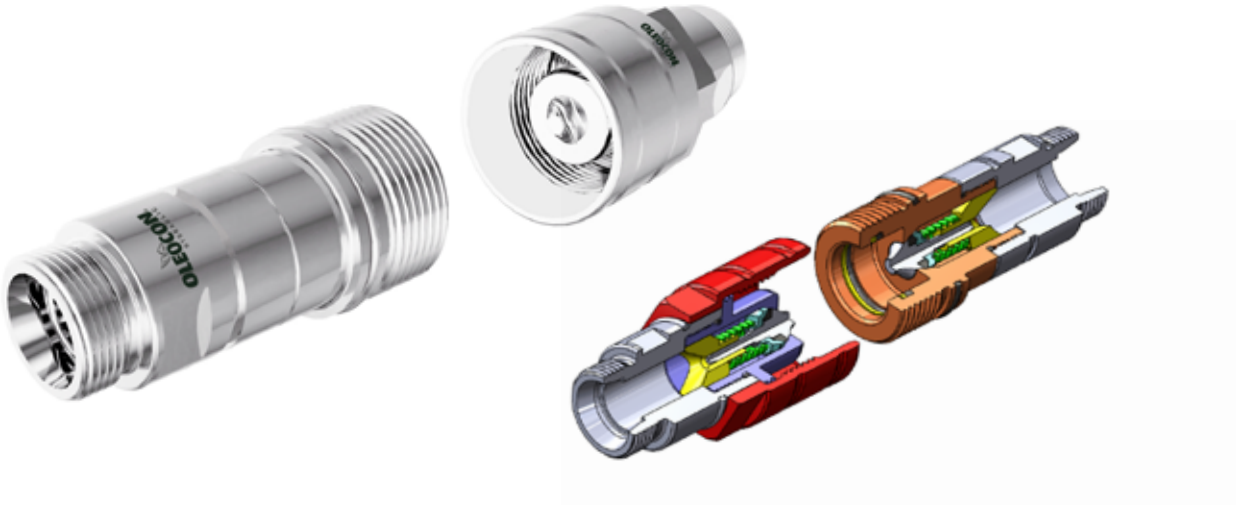


BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-M6L	FEMALE	BSP	A	17	0,66	M12*1,5	D	M24*2	-	C	61,7	2,42	0,24	0,528
	QC-STC-6B-M6L	MALE	BSP	E	30	1,18	M12*1,5	F	34	-	H	59	2,32	0,15	0,33
10	QC-STC-10A-M8L	FEMALE	BSP	A	22	0,86	M14*1,5	D	M28*2	-	C	62,9	2,47	0,22	0,484
	QC-STC-10B-M8L	MALE	BSP	E	30	1,18	M14*1,5	F	34	-	H	60,5	2,38	0,2	0,44
	QC-STC-10A-M10L	FEMALE	BSP	A	22	0,86	M16*1,5	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-M10L	MALE	BSP	E	30	1,18	M16*1,5	F	34	-	H	60,5	2,38	0,21	0,462
	QC-STC-10A-M12L	FEMALE	BSP	A	22	0,86	M18*1,5	D	M28*2	-	C	62,9	2,47	0,22	0,484
	QC-STC-10B-M12L	MALE	BSP	E	30	1,18	M18*1,5	F	34	-	H	60,5	2,38	0,2	0,44
12,5	QC-STC-12A-M12L	FEMALE	BSP	A	27	1,06	M18*1,5	D	M36*2	-	C	69	2,71	0,35	0,77
	QC-STC-12B-M12L	MALE	BSP	E	36	1,41	M18*1,5	F	42,1	-	H	63,8	2,51	0,33	0,726
	QC-STC-12A-M15L	FEMALE	BSP	A	27	1,06	M22*1,5	D	M36*2	-	C	69	2,71	0,35	0,77
	QC-STC-12B-M15L	MALE	BSP	E	36	1,41	M22*1,5	F	42,1	-	H	63,8	2,51	0,34	0,748
	QC-STC-12A-M18L	FEMALE	BSP	A	27	1,06	M26*1,5	D	M36*2	-	C	69	2,71	0,35	0,77
	QC-STC-12B-M18L	MALE	BSP	E	36	1,41	M26*1,5	F	42,1	-	H	63,8	2,51	0,34	0,748
19	QC-STC-20A-M15L	FEMALE	BSP	A	32	1,25	M22*1,5	D	M42*2	-	C	85,5	3,36	0,54	1,188
	QC-STC-20B-M15L	MALE	BSP	E	41	1,61	M22*1,5	F	48,5	-	H	76	2,99	0,52	1,144
	QC-STC-20A-M18L	FEMALE	BSP	A	32	1,25	M26*1,5	D	M42*2	-	C	85,5	3,36	0,55	1,21
	QC-STC-20B-M18L	MALE	BSP	E	41	1,61	M26*1,5	F	48,5	-	H	76	2,99	0,53	1,166
	QC-STC-20A-M22L	FEMALE	BSP	A	32	1,25	M30*2	D	M42*2	-	C	85,5	3,36	0,54	1,188
	QC-STC-20B-M22L	MALE	BSP	E	41	1,61	M30*2	F	48,5	-	H	76	2,99	0,52	1,144
25	QC-STC-25A-M18L	FEMALE	BSP	A	41	1,61	M26*1,5	D	M48*3	-	C	97,5	3,83	0,78	1,716
	QC-STC-25B-M18L	MALE	BSP	E	50	1,96	M26*1,5	F	54,5	-	H	82	3,22	0,81	1,782
	QC-STC-25A-M22L	FEMALE	BSP	A	41	1,61	M30*2	D	M48*3	-	C	97,5	3,83	0,78	1,716
	QC-STC-25B-M22L	MALE	BSP	E	50	1,96	M30*2	F	54,5	-	H	82	3,22	0,805	1,771
	QC-STC-25A-M28L	FEMALE	BSP	A	41	1,61	M36*2	D	M48*3	-	C	97,5	3,83	0,76	1,672
	QC-STC-25B-M28L	MALE	BSP	E	50	1,96	M36*2	F	54,5	-	H	82	3,22	0,79	1,738

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

POPET SCREW - QC - STC SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

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- 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

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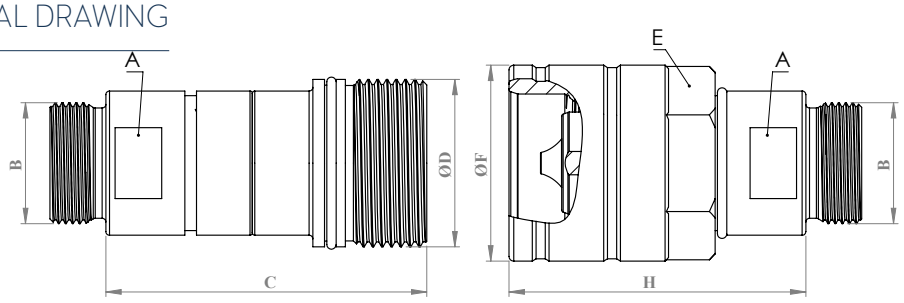

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					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-M6S	FEMALE	BSP	A	17	0,66	M14*1,5	D	M24*2	-	C	61,7	2,42	0,24	0,528
	QC-STC-6B-M6S	MALE	BSP	E	30	1,18	M14*1,5	F	34	-	H	59	2,32	0,15	0,33
10	QC-STC-10A-M8S	FEMALE	BSP	A	22	0,86	M16*1,5	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-M8S	MALE	BSP	E	30	1,18	M16*1,5	F	34	-	H	60,5	2,38	0,2	0,44
	QC-STC-10A-M10S	FEMALE	BSP	A	22	0,86	M18*1,5	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-M10S	MALE	BSP	E	30	1,18	M18*1,5	F	34	-	H	60,5	2,38	0,2	0,44
	QC-STC-10A-M12S	FEMALE	BSP	A	22	0,86	M20*1,5	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-M12S	MALE	BSP	E	30	1,18	M20*1,5	F	34	-	H	60,5	2,38	0,2	0,44
12,5	QC-STC-12A-M10S	FEMALE	BSP	A	27	1,06	M18*1,5	D	M36*2	-	C	69	2,71	0,35	0,77
	QC-STC-12B-M10S	MALE	BSP	E	36	1,41	M18*1,5	F	42,1	-	H	63,8	2,51	0,34	0,748
	QC-STC-12A-M12S	FEMALE	BSP	A	27	1,06	M20*1,5	D	M36*2	-	C	69	2,71	0,36	0,792
	QC-STC-12B-M12S	MALE	BSP	E	36	1,41	M20*1,5	F	42,1	-	H	63,8	2,51	0,35	0,77
	QC-STC-12A-M16S	FEMALE	BSP	A	27	1,06	M24*1,5	D	M36*2	-	C	69	2,71	0,36	0,792
	QC-STC-12B-M16S	MALE	BSP	E	36	1,41	M24*1,5	F	42,1	-	H	63,8	2,51	0,35	0,77
19	QC-STC-20A-M12S	FEMALE	BSP	A	32	1,25	M20*1,5	D	M42*2	-	C	85,5	3,36	0,56	1,232
	QC-STC-20B-M12S	MALE	BSP	E	41	1,61	M20*1,5	F	48,5	-	H	76	2,99	0,54	1,188
	QC-STC-20A-M16S	FEMALE	BSP	A	32	1,25	M24*1,5	D	M42*2	-	C	85,5	3,36	0,57	1,254
	QC-STC-20B-M16S	MALE	BSP	E	41	1,61	M24*1,5	F	48,5	-	H	76	2,99	0,54	1,188
	QC-STC-20A-M20S	FEMALE	BSP	A	32	1,25	M30*2	D	M42*2	-	C	85,5	3,36	0,57	1,254
	QC-STC-20B-M20S	MALE	BSP	E	41	1,61	M30*2	F	48,5	-	H	76	2,99	0,55	1,21
25	QC-STC-25A-M16S	FEMALE	BSP	A	41	1,61	M24*1,5	D	M48*3	-	C	97,5	3,83	0,67	1,474
	QC-STC-25B-M16S	MALE	BSP	E	50	1,96	M24*1,5	F	54,5	-	H	82	3,22	0,65	1,43
	QC-STC-25A-M20S	FEMALE	BSP	A	41	1,61	M30*2	D	M48*3	-	C	97,5	3,83	0,68	1,496
	QC-STC-25B-M20S	MALE	BSP	E	50	1,96	M30*2	F	54,5	-	H	82	3,22	0,66	1,452
	QC-STC-25A-M25S	FEMALE	BSP	A	41	1,61	M36*2	D	M48*3	-	C	97,5	3,83	0,69	1,518
	QC-STC-25B-M25S	MALE	BSP	E	50	1,96	M36*2	F	54,5	-	H	82	3,22	0,67	1,474

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

POPET SCREW - QC - STC SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 189 l / min
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MAIN APPLICATIONS

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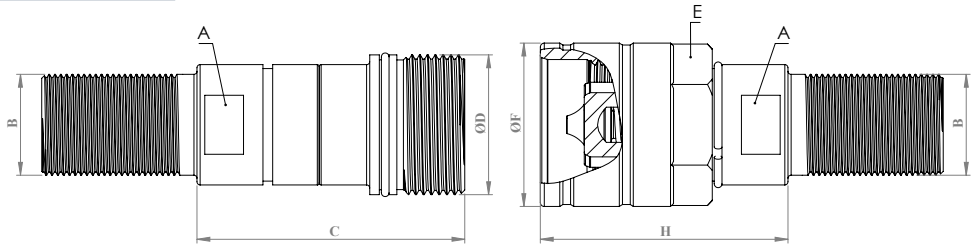

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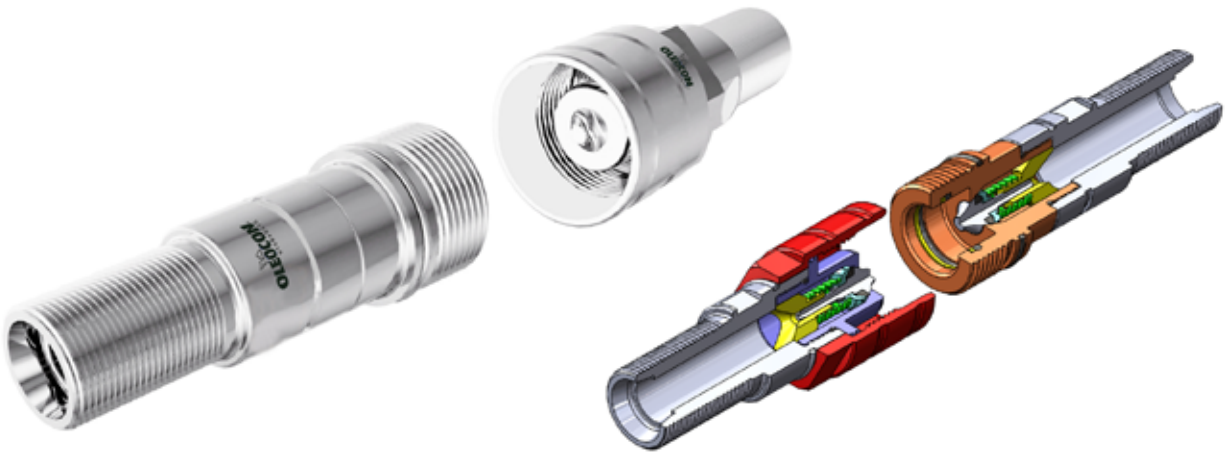
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-M6L-BH	FEMALE	BSP	A	17	0,66	M12*1,5	D	M24*2	-	C	61,7	2,42	0,25	0,55
	QC-STC-6B-M6L-BH	MALE	BSP	E	30	1,18	M12*1,5	F	34	-	H	59	2,32	0,16	0,352
10	QC-STC-10A-M8L-BH	FEMALE	BSP	A	22	0,86	M14*1,5	D	M28*2	-	C	62,9	2,47	0,24	0,528
	QC-STC-10B-M8L-BH	MALE	BSP	E	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

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

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INFORMATION

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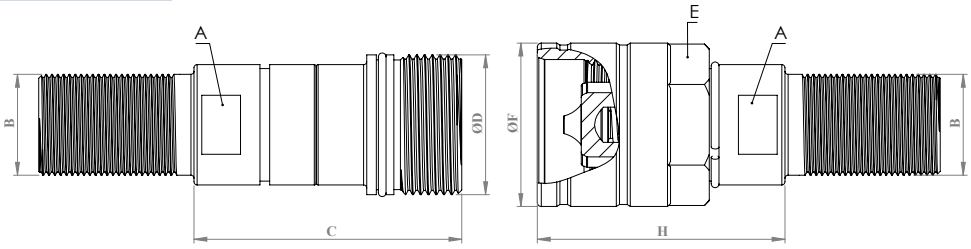
- External o-ring ensures the correct connection of the counterparts and prevents disconnection of the counterparts due to vibration.
- Durable and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING

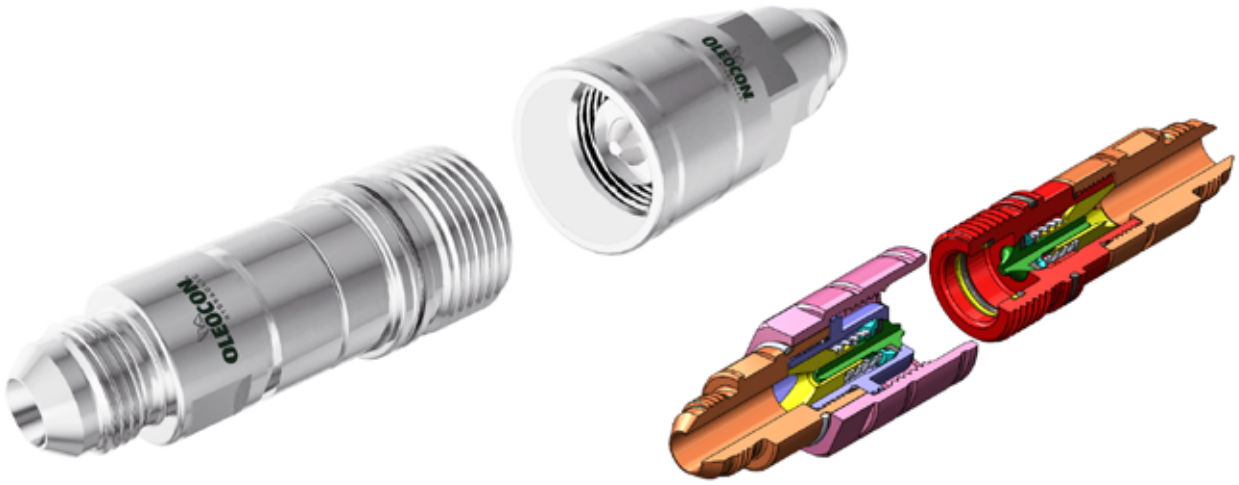


BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-M6S-BH	FEMALE	BSP	A	17	0,66	M14*1,5	D	M24*2	-	C	61,7	2,42	0,26	0,572
	QC-STC-6B-M6S-BH	MALE	BSP	E	30	1,18	M14*1,5	F	34	-	H	59	2,32	0,17	0,374
10	QC-STC-10A-M8S-BH	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

POPET SCREW - QC - STC SERIES



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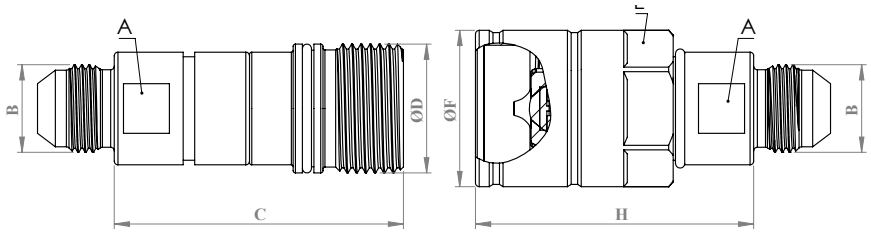

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					mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QC-STC-6A-MSAE4	FEMALE	BSP	A	17	0,66	7/16-20 UNF	D	M24*2	-	C	61,7	2,42	0,24	0,528
	QC-STC-6B-MSAE4	MALE	BSP	E	30	1,18	7/16-20 UNF	F	34	-	H	59	2,32	0,15	0,33
10	QC-STC-10A-MSAE5	FEMALE	BSP	A	22	0,86	1/2-20UNF	D	M28*2	-	C	62,9	2,47	0,22	0,484
	QC-STC-10B-MSAE5	MALE	BSP	E	30	1,18	1/2-20UNF	F	34	-	H	60,5	2,38	0,19	0,418
	QC-STC-10A-MSAE6	FEMALE	BSP	A	22	0,86	9/16-18 UNF	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-MSAE6	MALE	BSP	E	30	1,18	9/16-18 UNF	F	34	-	H	60,5	2,38	0,2	0,44
	QC-STC-10A-MSAE8	FEMALE	BSP	A	22	0,86	3/4- 16UNF	D	M28*2	-	C	62,9	2,47	0,23	0,506
	QC-STC-10B-MSAE8	MALE	BSP	E	30	1,18	3/4- 16UNF	F	34	-	H	60,5	2,38	0,2	0,44
12,5	QC-STC-12A-MSAE8	FEMALE	BSP	A	27	1,06	3/4- 16UNF	D	M36*2	-	C	69	2,71	0,36	0,792
	QC-STC-12B-MSAE8	MALE	BSP	E	36	1,41	3/4- 16UNF	F	42,1	-	H	63,8	2,51	0,35	0,77
19	QC-STC-20A-MSAE8	FEMALE	BSP	A	32	1,25	3/4- 16UNF	D	M42*2	-	C	85,5	3,36	0,56	1,232
	QC-STC-20B-MSAE8	MALE	BSP	E	41	1,61	3/4- 16UNF	F	48,5	-	H	76	2,99	0,54	1,188
	QC-STC-20A-MSAE10	FEMALE	BSP	A	32	1,25	7/8- 14UNF	D	M42*2	-	C	85,5	3,36	0,57	1,254
	QC-STC-20B-MSAE10	MALE	BSP	E	41	1,61	7/8- 14UNF	F	48,5	-	H	76	2,99	0,55	1,21
	QC-STC-20A-MSAE12	FEMALE	BSP	A	32	1,25	1 1/16- 12UN	D	M42*2	-	C	85,5	3,36	0,58	1,276
	QC-STC-20B-MSAE12	MALE	BSP	E	41	1,61	1 1/16- 12UN	F	48,5	-	H	76	2,99	0,56	1,232
25	QC-STC-25A-MSAE12	FEMALE	BSP	A	41	1,61	1 1/16- 12UN	D	M48*3	-	C	97,5	3,83	0,8	1,76
	QC-STC-25B-MSAE12	MALE	BSP	E	50	1,96	1 1/16- 12UN	F	54,5	-	H	82	3,22	0,83	1,826

ISO-8434-2

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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

Sealing Description
NBR - FKM

Valving Style
Popet

MAIN APPLICATIONS

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

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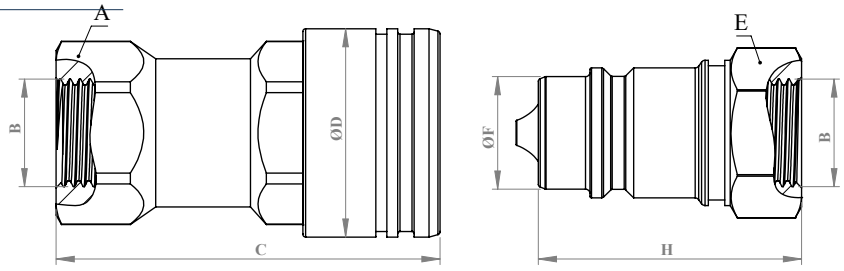

BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCA-6A-G14	FEMALE	A	-	-	1/4 "	D	-	-	C	-	-	-	-
	QCA-6B-G14	MALE	E	-	-	1/4"	F	-	-	H	-	-	-	-
10	QCA-10A-G38	FEMALE	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,16	0,352
	QCA-10B-G38	MALE	E	22	0,86	3/8"	F	17,23	0,67	H	40	1,57	0,06	0,132
12,5	QCA-12A-G12	FEMALE	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,27	0,594
	QCA-12B-G12	MALE	E	27	1,06	1/2"	F	20,48	0,80	H	47	1,85	0,09	0,198
19	QCA-20A-G34	FEMALE	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,5	1,1
	QCA-20B-G34	MALE	E	36	1,41	3/4"	F	29	1,14	H	56	2,20	0,21	0,462
25	QCA-25A-G1	FEMALE	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCA-25B-G1	MALE	E	41	1,61	1"	F	34,21	1,34	H	66	2,59	0,3	0,66
31,5	QCA-31A-G114	FEMALE	A	55	2,16	1 1/4 "	D	68	2,67	C	117,2	4,61	1,31	2,882
	QCA-31B-G114	MALE	E	50	1,96	1 1/4 "	F	44,9	44,9	H	75	2,95	0,51	1,122
40	QCA-40A-G112	FEMALE	A	70	2,75	1 1/2 "	D	83	3,26	C	134,2	5,28	2,66	5,852
	QCA-40B-G112	MALE	E	60	2,36	1 1/2 "	F	54,93	2,16	H	84	3,30	0,96	2,112
50	QCA-50A-G2	FEMALE	A	80	3,14	2"	D	99	3,89	C	160,2	6,30	3,89	8,558
	QCA-50B-G2	MALE	E	75	2,95	2"	F	65	2,55	H	97	3,81	1,48	3,256

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	-	-	-	-	-	-	-	-	-	-	-	-
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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
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
19	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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

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.
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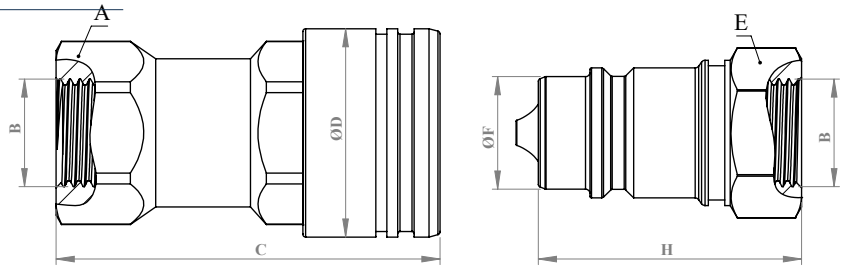
INFORMATION

- Do not connect or remove the counterparts under residual pressure.
- Top quality sealing rings provides high level of protection.
- The designs are developed to prevent pressure drops and turbulences.
- Durable and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

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-NPT14	FEMALE	A	-	-	1/4 "	D	-	-	C	-	-	-	-
	QCA-6B-NPT14	MALE	E	-	-	1/4"	F	-	-	H	-	-	-	-
10	QCA-10A-NPT38	FEMALE	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,17	0,374
	QCA-10B-NPT38	MALE	E	22	0,86	3/8"	F	17,23	0,67	H	40	1,57	0,07	0,154
12,5	QCA-12A-NPT12	FEMALE	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,28	0,616
	QCA-12B-NPT12	MALE	E	27	1,06	1/2"	F	20,48	0,80	H	47	1,85	0,09	0,198
19	QCA-20A-NPT34	FEMALE	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,5	1,1
	QCA-20B-NPT34	MALE	E	36	1,41	3/4"	F	29	1,14	H	56	2,20	0,22	0,484
25	QCA-25A-NPT1	FEMALE	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCA-25B-NPT1	MALE	E	41	1,61	1"	F	34,21	1,34	H	66	2,59	0,32	0,704
31,5	QCA-31A-NPT114	FEMALE	A	55	2,16	1 1/4 "	D	68	2,67	C	117,2	4,61	1,32	2,904
	QCA-31B-NPT114	MALE	E	50	1,96	1 1/4 "	F	44,9	44,9	H	75	2,95	0,5	1,1
40	QCA-40A-NPT112	FEMALE	A	70	2,75	1 1/2 "	D	83	3,26	C	134,2	5,28	2,65	5,83
	QCA-40B-NPT112	MALE	E	60	2,36	1 1/2 "	F	54,93	2,16	H	84	3,30	0,98	2,156
50	QCA-50A-NPT2	FEMALE	A	80	3,14	2"	D	99	3,89	C	160,2	6,30	3,9	8,58
	QCA-50B-NPT2	MALE	E	75	2,95	2"	F	65	2,55	H	97	3,81	1,5	3,3

ASME.B1.20.1.NPT

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	-	-	-	-	-	-	-	-	-	-	-	-
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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
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
19	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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 757 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

WARNING

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INFORMATION

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- The designs are developed to prevent pressure drops and turbulences.
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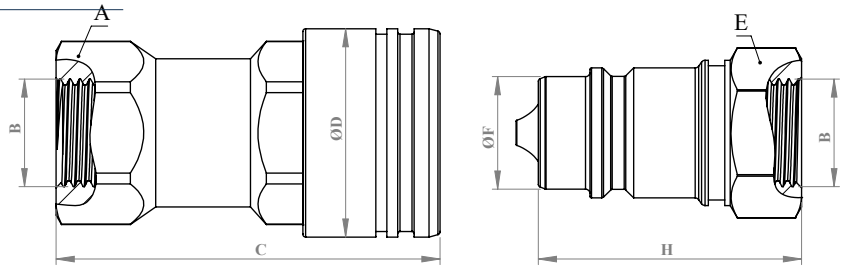
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dustaccumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCA-6A-SAE4	FEMALE	A	-	-	7/16 UNF	D	-	-	C	-	-	-	-
	QCA-6B-SAE4	MALE	E	-	-	7/16 UNF	F	-	-	H	-	-	-	-
10	QCA-10A-SAE6	FEMALE	A	24	0,94	9/16 UNF	D	32	1,25	C	58	2,28	0,16	0,35
	QCA-10B-SAE6	MALE	E	22	0,86	9/16 UNF	F	17,23	0,67	H	40	1,57	0,06	0,13
12,5	QCA-12A-SAE8	FEMALE	A	30	1,18	3/4 UNF	D	38	1,49	C	69	2,71	0,27	0,59
	QCA-12B-SAE8	MALE	E	27	1,06	3/4 UNF	F	20,48	0,80	H	47	1,85	0,09	0,19
19	QCA-20A-SAE12	FEMALE	A	38	1,49	1 1/16 UN	D	46,1	1,81	C	83	3,26	0,49	1,07
	QCA-20B-SAE12	MALE	E	36	1,41	1 1/16 UN	F	29	1,14	H	56	2,20	0,21	0,46
25	QCA-25A-SAE16	FEMALE	A	46	1,81	1 5/16 UN	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCA-25B-SAE16	MALE	E	41	1,61	1 5/16 UN	F	34,21	1,34	H	66	2,59	0,31	0,68
31,5	QCA-31A-SAE20	FEMALE	A	55	2,16	1 5/8 UN	D	68	2,67	C	117,2	4,61	1,31	2,88
	QCA-31B-SAE20	MALE	E	50	1,96	1 5/8 UN	F	44,9	44,9	H	75	2,95	0,51	1,12
40	QCAA-40A-SAE24	FEMALE	A	70	2,75	1 7/8UN	D	83	3,26	C	134,2	5,28	2,66	5,85
	QCA-40B-SAE24	MALE	E	60	2,36	1 7/8 UN	F	54,93	2,16	H	84	3,30	0,96	2,11
50	QCA-50A-SAE32	FEMALE	A	80	3,14	2 1/2UN	D	99	3,89	C	160,2	6,30	3,89	8,55
	QCA-50B-SAE32	MALE	E	75	2,95	2 1/2UN	F	65	2,55	H	97	3,81	1,48	3,25

ISO 11926-1

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	-	-	-	-	-	-	-	-	-	-	-	-
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

BODY SIZE	RATED FLOW			FLUID LOSS PER DISCONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
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
19	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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

Sealing Description
NBR - FKM

Valving Style
Popet

MAIN APPLICATIONS

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

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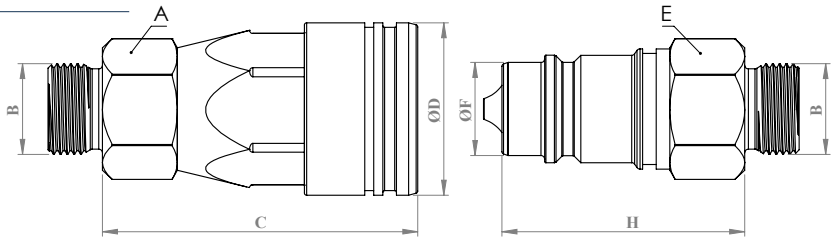

BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCA-6A-MG14	FEMALE	A	-	-	1/4 "	D	-	-	C	-	-	-	-
	QCA-6B-MG14	MALE	E	-	-	1/4"	F	-	-	H	-	-	-	-
10	QCA-10A-MG38	FEMALE	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,19	0,418
	QCA-10B-MG38	MALE	E	22	0,86	3/8"	F	17,23	0,67	H	40	1,57	0,09	0,198
12,5	QCA-12A-MG12	FEMALE	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,29	0,638
	QCA-12B-MG12	MALE	E	27	1,06	1/2"	F	20,48	0,80	H	47	1,85	0,13	0,286
20	QCA-20A-MG34	FEMALE	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,58	1,276
	QCA-20B-MG34	MALE	E	36	1,41	3/4"	F	29	1,14	H	56	2,20	0,27	0,594
25	QCA-25A-MG1	FEMALE	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,7	1,54
	QCA-25B-MG1	MALE	E	41	1,61	1"	F	34,21	1,34	H	66	2,59	0,34	0,748
31,5	QCA-31A-MG114	FEMALE	A	55	2,16	1 1/4 "	D	68	2,67	C	117,2	4,61	1,35	2,97
	QCA-31B-MG114	MALE	E	50	1,96	1 1/4 "	F	44,9	44,9	H	75	2,95	0,55	1,21
40	QCA-40A-MG112	FEMALE	A	70	2,75	1 1/2 "	D	83	3,26	C	134,2	5,28	2,7	5,94
	QCA-40B-MG112	MALE	E	60	2,36	1 1/2 "	F	54,93	2,16	H	84	3,30	0,99	2,178
50	QCA-50A-MG2	FEMALE	A	80	3,14	2"	D	99	3,89	C	160,2	6,30	3,9	8,58
	QCA-50B-MG2	MALE	E	75	2,95	2"	F	65	2,55	H	97	3,81	1,5	3,3

ISO-8434-6

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
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Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

Sealing Description
NBR - FKM

Valving Style
Popet

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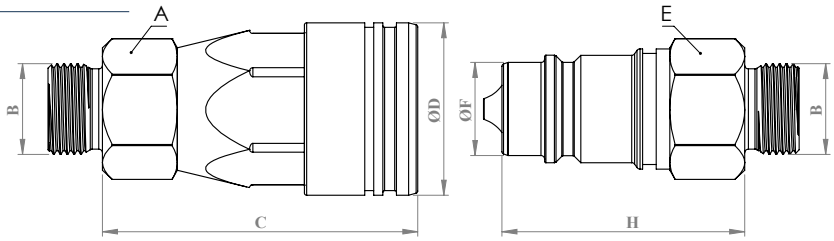

BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCA-6A-M6L	FEMALE	A	-	-	M12*1,5	D	-	-	C	-	-	-	-
	QCA-6B-M6L	MALE	E	-	-	M12*1,5	F	-	-	H	-	-	-	-
10	QCA-10A-M8L	FEMALE	A	24	0,94	M14*1,5	D	32	1,25	C	58	2,28	0,19	0,418
	QCA-10B-M8L	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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

Sealing Description
NBR - FKM

Valving Style
Popet

MAIN APPLICATIONS

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

WARNING

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INFORMATION

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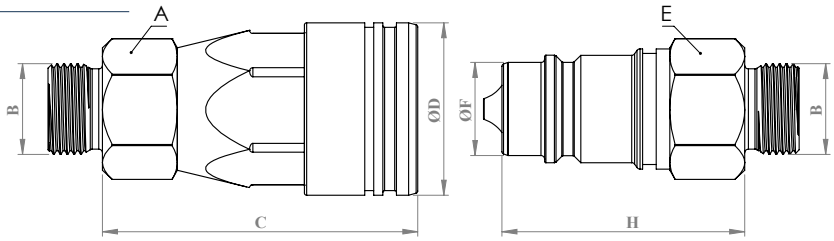
TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
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
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-M35L	FEMALE	A	80	3,14	M52*2	D	99	3,89	C	160,2	6,30	3,89	8,558
	QCA-50B-M35L	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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 757 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

WARNING

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INFORMATION

- Do not connect or remove the counterparts under residual pressure.
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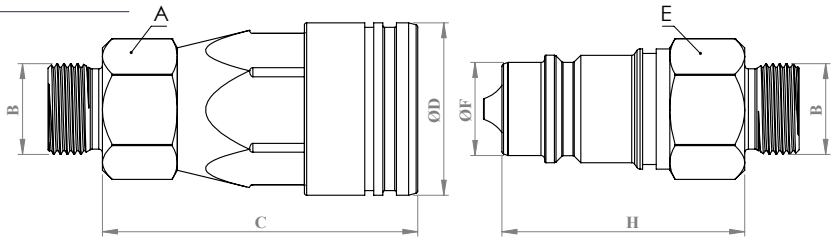
- Please ensure the alignment and full connection of male and female parts.

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism Screw to Connect	Flow Rate Up to 757 l / min	Material Carbon Steel Stainless Steel Brass
Working Temperature -20 °C / +90 °C	Interchange ISO 7241-A	Connection System Single Action Sleeve
Operating Pressure Up to 315 Bar	Available Threads BSP - NPT - Metric - SAE	Connection Under Pressure Connetion: not Allowed Disconnection: not Allowed
Body Sizes ISO 6.3 - 50	Sealing Description NBR - FKM	Valving Style Popet

MAIN APPLICATIONS

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

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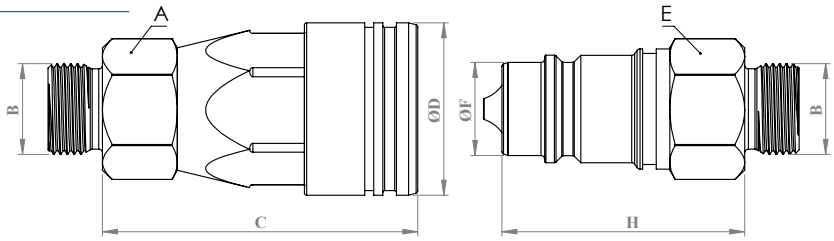

BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
25	QCA-25A-M16S	FEMALE	A	46	1,81	M24*1,5	D	54	2,12	C	99,2	3,90	0,68	1,496
	QCA-25B-M16S	MALE	E	41	1,61	M24*1,5	F	34,21	1,34	H	66	2,59	0,33	0,726
	QCA-25A-M20S	FEMALE	A	46	1,81	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

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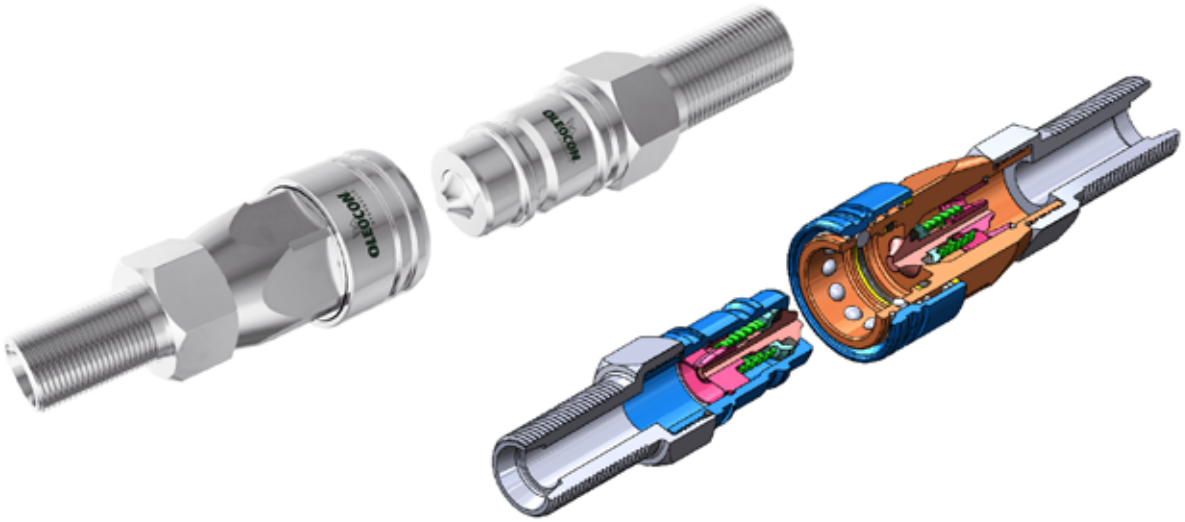
BODY SIZE	WORKING PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	-	-	-	-	-	-	-	-	-	-	-	-
10	31,5	4567	31,5	4567	31,5	4567	126	18270	126	18270	126	18270
12,5	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500
19	25	3625	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

POPET TYPE - QCA SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 757 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

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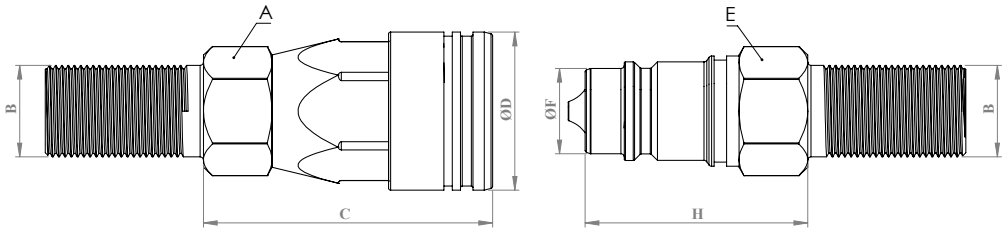


BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCA-6A-M6L-BH	FEMALE	A	-	-	M12*1,5	D	-	-	C	-	-	-	-
	QCA-6B-M6L-BH	MALE	E	-	-	M12*1,5	F	-	-	H	-	-	-	-
10	QCA-10A-M8L-BH	FEMALE	A	24	0,94	M14*1,5	D	32	1,25	C	58	2,28	0,21	0,462
	QCA-10B-M8L-BH	MALE	E	22	0,86	M14*1,5	F	17,23	0,67	H	40	1,57	0,11	0,242
	QCA-10A-M10L-BH	FEMALE	A	24	0,94	M16*1,5	D	32	1,25	C	58	2,28	0,22	0,484
	QCA-10B-M10L-BH	MALE	E	22	0,86	M16*1,5	F	17,23	0,67	H	40	1,57	0,11	0,242
	QCA-10A-M12L-BH	FEMALE	A	24	0,94	M18*1,5	D	32	1,25	C	58	2,28	0,23	0,506
	QCA-10B-M12L-BH	MALE	E	22	0,86	M18*1,5	F	17,23	0,67	H	40	1,57	0,12	0,264
12,5	QCA-12A-M12L-BH	FEMALE	A	30	1,18	M18*1,5	D	38	1,49	C	69	2,71	0,32	0,704
	QCA-12B-M12L-BH	MALE	E	27	1,06	M18*1,5	F	20,48	0,80	H	47	1,85	0,15	0,33
	QCA-12A-M15L-BH	FEMALE	A	30	1,18	M22*1,5	D	38	1,49	C	69	2,71	0,34	0,748
	QCA-12B-M15L-BH	MALE	E	27	1,06	M22*1,5	F	20,48	0,80	H	47	1,85	0,18	0,396
	QCA-12A-M18L-BH	FEMALE	A	30	1,18	M26*1,5	D	38	1,49	C	69	2,71	0,39	0,858
	QCA-12B-M18L-BH	MALE	E	27	1,06	M26*1,5	F	20,48	0,80	H	47	1,85	0,22	0,484
20	QCA-20A-M15L-BH	FEMALE	A	38	1,49	M22*1,5	D	46,1	1,81	C	83	3,26	0,62	1,364
	QCA-20B-M15L-BH	MALE	E	36	1,41	M22*1,5	F	29	1,14	H	56	2,20	0,32	0,704
	QCA-20A-M18L-BH	FEMALE	A	38	1,49	M26*1,5	D	46,1	1,81	C	83	3,26	0,65	1,43
	QCA-20B-M18L-BH	MALE	E	36	1,41	M26*1,5	F	29	1,14	H	56	2,20	0,34	0,748
	QCA-20A-M22L-BH	FEMALE	A	38	1,49	M30*2	D	46,1	1,81	C	83	3,26	0,66	1,452
	QCA-20B-M22L-BH	MALE	E	36	1,41	M30*2	F	29	1,14	H	56	2,20	0,36	0,792

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 757 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

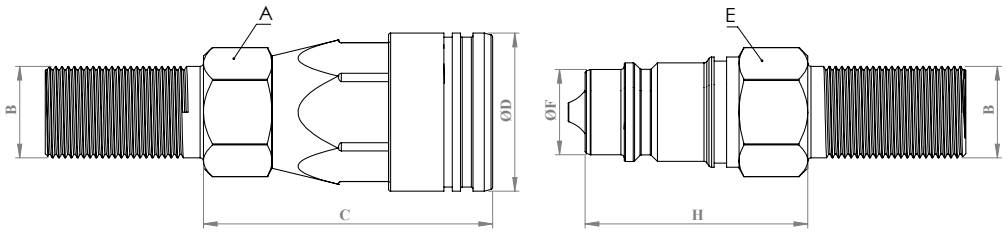
WARNING

- 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

- Do not connect or remove the counterparts under residual pressure.
- Top quality sealing rings provides high level of protection.
- The designs are developed to prevent pressure drops and turbulences.
- Durable and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
25	QCA-25A-M18L-BH	FEMALE	A	46	1,81	M26*1,5	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCA-25B-M18L-BH	MALE	E	41	1,61	M26*1,5	F	34,21	1,34	H	66	2,59	0,4	0,88
	QCA-25A-M22L-BH	FEMALE	A	46	1,81	M30*2	D	54	2,12	C	99,2	3,90	0,77	1,694
	QCA-25B-M22L-BH	MALE	E	41	1,61	M30*2	F	34,21	1,34	H	66	2,59	0,41	0,902
	QCA-25A-M28L-BH	FEMALE	A	46	1,81	M36*2	D	54	2,12	C	99,2	3,90	0,8	1,76
	QCA-25B-M28L-BH	MALE	E	41	1,61	M36*2	F	34,21	1,34	H	66	2,59	0,44	0,968
31,5	QCA-31A-M22L-BH	FEMALE	A	55	2,16	M30*2	D	68	2,67	C	117,2	4,61	1,35	2,97
	QCA-31B-M22L-BH	MALE	E	50	1,96	M30*2	F	44,9	44,9	H	75	2,95	0,52	1,144
	QCA-31A-M28L-BH	FEMALE	A	55	2,16	M36*2	D	68	2,67	C	117,2	4,61	1,36	2,992
	QCA-31B-M28L-BH	MALE	E	50	1,96	M36*2	F	44,9	44,9	H	75	2,95	0,53	1,166
	QCA-31A-M35L-BH	FEMALE	A	55	2,16	M45*2	D	68	2,67	C	117,2	4,61	1,37	3,014
	QCA-31B-M35L-BH	MALE	E	50	1,96	M45*2	F	44,9	44,9	H	75	2,95	0,53	1,166
40	QCA-40A-M35L-BH	FEMALE	A	70	2,75	M45*2	D	83	3,26	C	134,2	5,28	2,68	5,896
	QCA-40B-M35L-BH	MALE	E	60	2,36	M45*2	F	54,93	2,16	H	84	3,30	0,98	2,156
	QCA-40A-M42L-BH	FEMALE	A	70	2,75	M52*2	D	83	3,26	C	134,2	5,28	2,7	5,94
	QCA-40B-M42L-BH	MALE	E	60	2,36	M52*2	F	54,93	2,16	H	84	3,30	0,99	2,178
50	QCA-50A-M35L-BH	FEMALE	A	80	3,14	M45*2	D	99	3,89	C	160,2	6,30	3,9	8,58
	QCA-50B-M35L-BH	MALE	E	75	2,95	M45*2	F	65	2,55	H	97	3,81	1,5	3,3
	QCA-50A-M35L-BH	FEMALE	A	80	3,14	M52*2	D	99	3,89	C	160,2	6,30	3,91	8,602
	QCA-50B-M35L-BH	MALE	E	75	2,95	M52*2	F	65	2,55	H	97	3,81	1,51	3,322

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

Sealing Description
NBR - FKM

Valving Style
Popet

MAIN APPLICATIONS

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

WARNING

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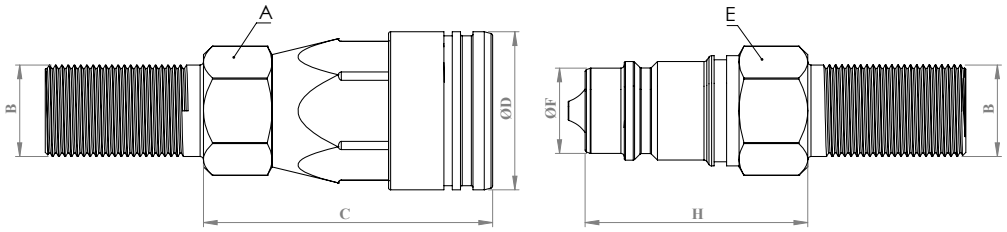
TECHNICAL DRAWING



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-BH	FEMALE	A	-	-	M14*1,5	D	-	-	C	-	-	-	-
	QCA-6B-M6S-BH	MALE	E	-	-	M14*1,5	F	-	-	H	-	-	-	-
10	QCA-10A-M8S-BH	FEMALE	A	24	0,94	M16*1,5	D	32	1,25	C	58	2,28	0,23	0,506
	QCA-10B-M8S-BH	MALE	E	22	0,86	M16*1,5	F	17,23	0,67	H	40	1,57	0,13	0,286
	QCA-10A-M10S-BH	FEMALE	A	24	0,94	M18*1,5	D	32	1,25	C	58	2,28	0,24	0,528
	QCA-10B-M10S-BH	MALE	E	22	0,86	M18*1,5	F	17,23	0,67	H	40	1,57	0,13	0,286
	QCA-10A-M12S-BH	FEMALE	A	24	0,94	M20*1,5	D	32	1,25	C	58	2,28	0,25	0,55
	QCA-10B-M12S-BH	MALE	E	22	0,86	M20*1,5	F	17,23	0,67	H	40	1,57	0,15	0,33
12,5	QCA-12A-M10S-BH	FEMALE	A	30	1,18	M18*1,5	D	38	1,49	C	69	2,71	0,33	0,726
	QCA-12B-M10S-BH	MALE	E	27	1,06	M18*1,5	F	20,48	0,80	H	47	1,85	0,16	0,352
	QCA-12A-M12S-BH	FEMALE	A	30	1,18	M20*1,5	D	38	1,49	C	69	2,71	0,34	0,748
	QCA-12B-M12S-BH	MALE	E	27	1,06	M20*1,5	F	20,48	0,80	H	47	1,85	0,18	0,396
	QCA-12A-M16S-BH	FEMALE	A	30	1,18	M24*1,5	D	38	1,49	C	69	2,71	0,38	0,836
	QCA-12B-M16S-BH	MALE	E	27	1,06	M24*1,5	F	20,48	0,80	H	47	1,85	0,22	0,484
20	QCA-20A-M12S-BH	FEMALE	A	38	1,49	M20*1,5	D	46,1	1,81	C	83	3,26	0,62	1,364
	QCA-20B-M12S-BH	MALE	E	36	1,41	M20*1,5	F	29	1,14	H	56	2,20	0,32	0,704
	QCA-20A-M16S-BH	FEMALE	A	38	1,49	M24*1,5	D	46,1	1,81	C	83	3,26	0,65	1,43
	QCA-20B-M16S-BH	MALE	E	36	1,41	M24*1,5	F	29	1,14	H	56	2,20	0,34	0,748
	QCA-20A-M20S-BH	FEMALE	A	38	1,49	M30*2	D	46,1	1,81	C	83	3,26	0,7	1,54
	QCA-20B-M20S-BH	MALE	E	36	1,41	M30*2	F	29	1,14	H	56	2,20	0,39	0,858

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 757 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

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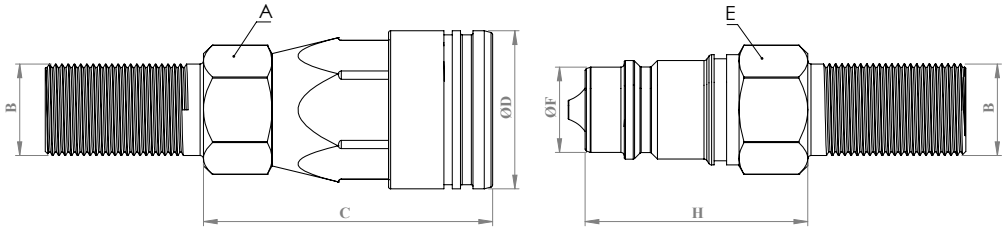

BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
25	QCA-25A-M16S-BH	FEMALE	A	46	1,81	M24*1,5	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCA-25B-M16S-BH	MALE	E	41	1,61	M24*1,5	F	34,21	1,34	H	66	2,59	0,4	0,88
	QCA-25A-M20S-BH	FEMALE	A	46	1,81	M30*2	D	54	2,12	C	99,2	3,90	0,8	1,76
	QCA-25B-M20S-BH	MALE	E	41	1,61	M30*2	F	34,21	1,34	H	66	2,59	0,45	0,99
	QCA-25A-M25S-BH	FEMALE	A	46	1,81	M36*2	D	54	2,12	C	99,2	3,90	0,87	1,914
	QCA-25B-M25S-BH	MALE	E	41	1,61	M36*2	F	34,21	1,34	H	66	2,59	0,51	1,122
31,5	QCA-31A-M20S-BH	FEMALE	A	55	2,16	M30*2	D	68	2,67	C	117,2	4,61	1,3	2,86
	QCA-31B-M20S-BH	MALE	E	50	1,96	M30*2	F	44,9	44,9	H	75	2,95	0,52	1,144
	QCA-31A-M25S-BH	FEMALE	A	55	2,16	M36*2	D	68	2,67	C	117,2	4,61	1,31	2,882
	QCA-31B-M25S-BH	MALE	E	50	1,96	M36*2	F	44,9	44,9	H	75	2,95	0,52	1,144
	QCA-31A-M30S-BH	FEMALE	A	55	2,16	M42*2	D	68	2,67	C	117,2	4,61	1,32	2,904
	QCA-31B-M30S-BH	MALE	E	50	1,96	M42*2	F	44,9	44,9	H	75	2,95	0,53	1,166
40	QCA-40A-M30S-BH	FEMALE	A	70	2,75	M42*2	D	83	3,26	C	134,2	5,28	2,68	5,896
	QCA-40B-M30S-BH	MALE	E	60	2,36	M42*2	F	54,93	2,16	H	84	3,30	0,97	2,134
	QCA-40A-M38S-BH	FEMALE	A	70	2,75	M52*2	D	83	3,26	C	134,2	5,28	2,68	5,896
	QCA-40B-M38S-BH	MALE	E	60	2,36	M52*2	F	54,93	2,16	H	84	3,30	0,98	2,156
50	QCA-50A-M30S-BH	FEMALE	A	80	3,14	M42*2	D	99	3,89	C	160,2	6,30	3,9	8,58
	QCA-50B-M30S-BH	MALE	E	75	2,95	M42*2	F	65	2,55	H	97	3,81	1,5	3,3
	QCA-50A-M38SBH	FEMALE	A	80	3,14	M52*2	D	99	3,89	C	160,2	6,30	2,91	6,402
	QCA-50B-M38S-BH	MALE	E	75	2,95	M52*2	F	65	2,55	H	97	3,81	1,51	3,322

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Screw to Connect

Flow Rate
Up to 757 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +90 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - NPT - Metric - SAE

Connection Under Pressure
Connetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 6.3 - 50

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
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- Please ensure that the OLEOCON product series you have chosen is compatible with the temperature , material and pressure requirements of your system.
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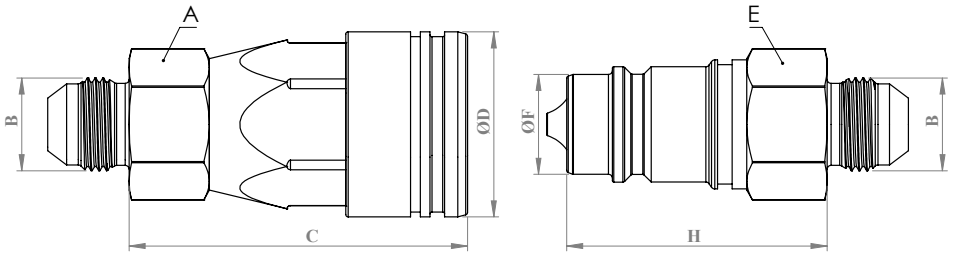
INFORMATION

- Do not connect or remove the counterparts under residual pressure.
- Top quality sealing rings provides high level of protection.
- The designs are developed to prevent pressure drops and turbulences.
- Durable and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

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-MSAE4	FEMALE	A	-	-	7/16-20 UNF	D	-	-	C	-	-	-	-
	QCA-6B-MSAE4	MALE	E	-	-	7/16-20 UNF	F	-	-	H	-	-	-	-
10	QCA-10A-MSAE5	FEMALE	A	24	0,94	1/2-20 UNF	D	32	1,25	C	58	2,28	0,19	0,35
	QCA-10B-MSAE5	MALE	E	22	0,86	1/2-20 UNF	F	17,23	0,67	H	40	1,57	0,09	0,13
	QCA-10A-MSAE6	FEMALE	A	24	0,94	9/16-18 UNF	D	32	1,25	C	58	2,28	0,2	0,35
	QCA-10B-MSAE6	MALE	E	22	0,86	9/16-18 UNF	F	17,23	0,67	H	40	1,57	0,09	0,13
	QCA-10A-MSAE8	FEMALE	A	24	0,94	3/4-16 UNF	D	32	1,25	C	58	2,28	0,2	0,35
	QCA-10B-MSAE8	MALE	E	22	0,86	3/4-16 UNF	F	17,23	0,67	H	40	1,57	0,1	0,13
12,5	QCA-12A-MSAE8	FEMALE	A	30	1,18	3/4-16 UNF	D	38	1,49	C	69	2,71	0,3	0,59
	QCA-12B-MSAE8	MALE	E	27	1,06	3/4-16 UNF	F	20,48	0,80	H	47	1,85	0,13	0,19
	QCA-20A-MSAE8	FEMALE	A	38	1,49	3/4-16 UNF	D	46,1	1,81	C	83	3,26	0,57	1,07
	QCA-20B-MSAE8	MALE	E	36	1,41	3/4-16 UNF	F	29	1,14	H	56	2,20	0,27	0,46
	QCA-20A-MSAE10	FEMALE	A	38	1,49	7/8-14 UNF	D	46,1	1,81	C	83	3,26	0,58	1,07
	QCA-20B-MSAE10	MALE	E	36	1,41	7/8-14 UNF	F	29	1,14	H	56	2,20	0,28	0,46
20	QCA-20A-MSAE12	FEMALE	A	38	1,49	1 1/16-12 UN	D	46,1	1,81	C	83	3,26	0,6	1,07
	QCA-20B-MSAE12	MALE	E	36	1,41	1 1/16-12 UN	F	29	1,14	H	56	2,20	0,29	0,46

ISO 8434-2

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCA SERIES

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Screw to Connect
- Flow Rate: Up to 757 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +90 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - NPT - Metric - SAE
- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
- Valving Style: Popet

MAIN APPLICATIONS

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

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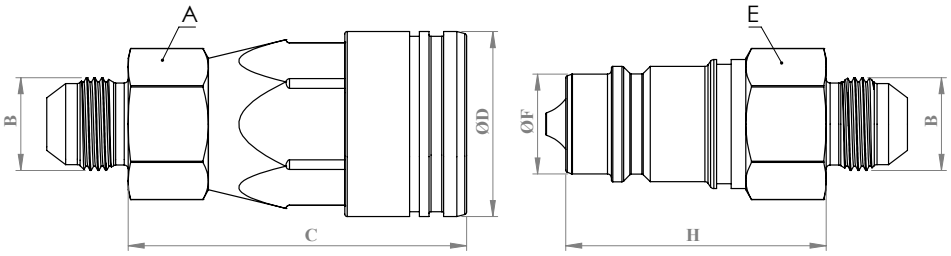
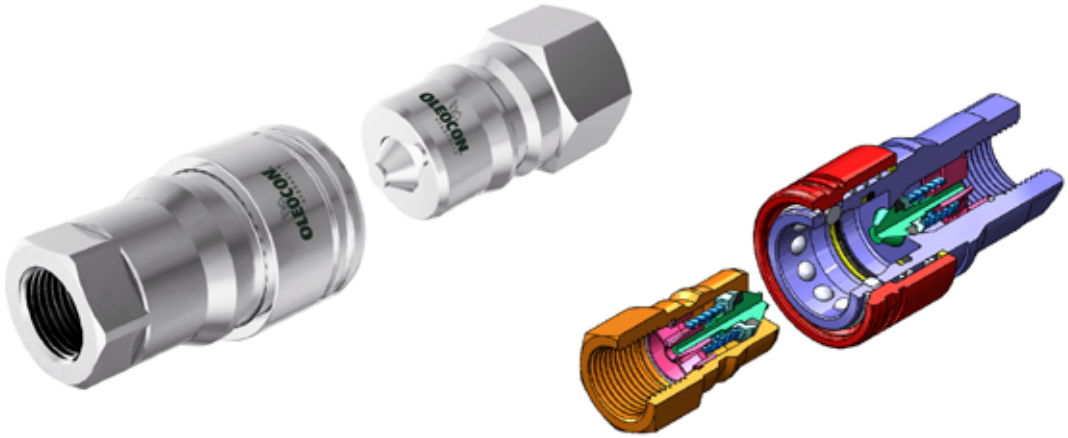


BODY SIZE	DESCRIPTION	COUPLING GENDER	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
				mm	inch			mm	inch		mm	inch	kg	lbs
25	QCA-25A-MSAE12	FEMALE	A	46	1,81	1 1/16-12 UN	D	54	2,12	C	99,2	3,90	0,7	1,65
	QCA-25B-MSAE12	MALE	E	41	1,61	1 1/16-12 UN	F	34,21	1,34	H	66	2,59	0,34	0,68
31,5	QCA-31A-MSAE12	FEMALE	A	55	2,16	1 1/16-12 UN	D	68	2,67	C	117,2	4,61	1,31	2,88
	QCA-31B-MSAE12	MALE	E	50	1,96	1 1/16-12 UN	F	44,9	44,9	H	75	2,95	0,51	1,12
	QCA-31A-MSAE16	FEMALE	A	55	2,16	1 5/16-12 UN	D	68	2,67	C	117,2	4,61	1,31	2,88
	QCA-31B-MSAE16	MALE	E	50	1,96	1 5/16-12 UN	F	44,9	44,9	H	75	2,95	0,51	1,12
	QCA-31A-MSAE20	FEMALE	A	55	2,16	1 5/8-12 UN	D	68	2,67	C	117,2	4,61	1,31	2,88
	QCA-31B-MSAE20	MALE	E	50	1,96	1 5/8-12 UN	F	44,9	44,9	H	75	2,95	0,51	1,12
40	QCA-40A-MSAE20	FEMALE	A	70	2,75	1 5/8-12 UN	D	83	3,26	C	134,2	5,28	2,66	5,85
	QCA-40B-MSAE20	MALE	E	60	2,36	1 5/8-12 UN	F	54,93	2,16	H	84	3,30	0,96	2,11
	QCA-40A-MSAE24	FEMALE	A	70	2,75	1 7/8-12 UN	D	83	3,26	C	134,2	5,28	2,66	5,85
	QCA-40B-MSAE24	MALE	E	60	2,36	1 7/8-12 UN	F	54,93	2,16	H	84	3,30	0,96	2,11
50	QCA-50A-MSAE24	FEMALE	A	80	3,14	1 7/8-12 UN	D	99	3,89	C	160,2	6,30	3,89	8,55
	QCA-50B-MSAE24	MALE	E	75	2,95	1 7/8-12 UN	F	65	2,55	H	97	3,81	1,48	3,25
	QCA-50A-MSAE32	FEMALE	A	80	3,14	2 1/2-12 UN	D	99	3,89	C	160,2	6,30	3,89	8,55
	QCA-50B-MSAE32	MALE	E	75	2,95	2 1/2-12 UN	F	65	2,55	H	97	3,81	1,48	3,25

ISO-8434-2

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	-	-	-	-	-	-	-	-	-	-	-	-
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

POPET TYPE - QCB SERIES



TECHNICAL FEATURES AND OPTIONS

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- Interchange: ISO 7241-B
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
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- Connection Under Pressure: Connetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 6.3 - 50
- Sealing Description: NBR - FKM
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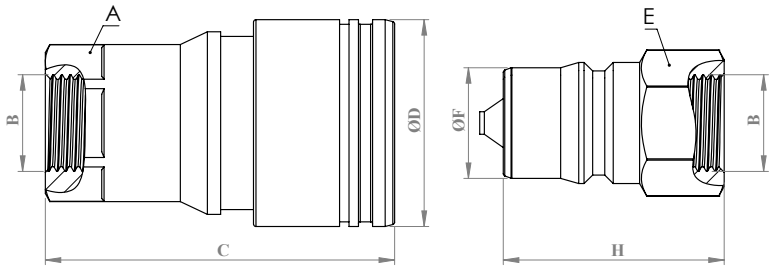

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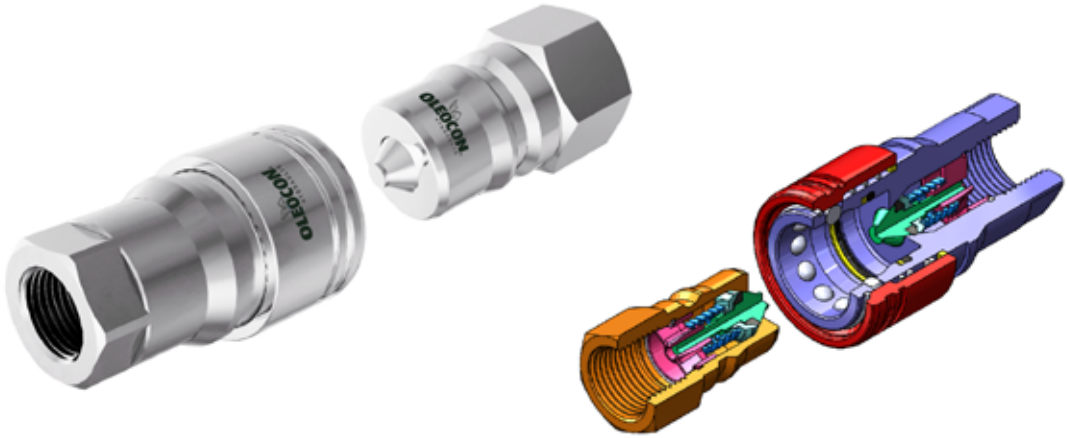
				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCB-6A-G14	FEMALE	A	-	-	1/4 "	D	-	-	C	-	-	-	-
	QCB-6B-G14	MALE	E	-	-	1/4"	F	-	-	H	-	-	-	-
10	QCB-10A-G38	FEMALE	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,16	0,35
	QCB-10B-G38	MALE	E	22	0,86	3/8"	F	17,23	0,67	H	40	1,57	0,06	0,13
12,5	QCB-12A-G12	FEMALE	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,27	0,59
	QCB-12B-G12	MALE	E	27	1,06	1/2"	F	20,48	0,80	H	47	1,85	0,09	0,19
20	QCB-20A-G34	FEMALE	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,49	1,07
	QCB-20B-G34	MALE	E	36	1,41	3/4"	F	29	1,14	H	56	2,20	0,21	0,46
25	QCB-25A-G1	FEMALE	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCB-25B-G1	MALE	E	41	1,61	1"	F	34,21	1,34	H	66	2,59	0,31	0,68

ISO 1179-1

BODY SIZE	WORKİNG PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	-	-	-	-	-	-	-	-	-	-	-	-
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
20	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

BODY SIZE	RATED FLOW			FLUID LOSS PER DİSCONNECT	CONNECTİNG FORCE		DİSCONNECTİNG FORCE	
	PRES.DROP (kPa)	L/MİN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
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

POPET TYPE - QCB SERIES



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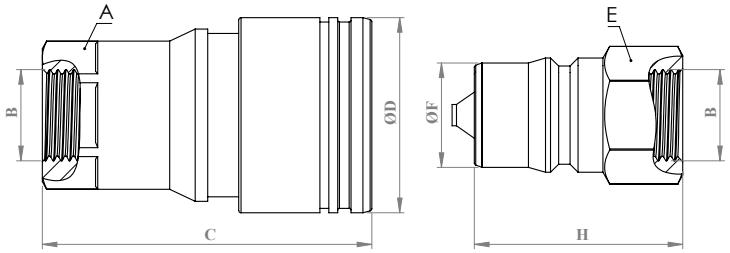

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				mm	inch			mm	inch		mm	inch	kg	lbs
6,3	QCB-6A-NPT14	FEMALE	A	-	-	1/4 "	D	-	-	C	-	-	-	-
	QCB-6B-NPT14	MALE	E	-	-	1/4"	F	-	-	H	-	-	-	-
10	QCB-10A-NPT38	FEMALE	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,16	0,35
	QCB-10B-NPT38	MALE	E	22	0,86	3/8"	F	17,23	0,67	H	40	1,57	0,06	0,13
12,5	QCB-12A-NPT12	FEMALE	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,27	0,59
	QCB-12B-NPT12	MALE	E	27	1,06	1/2"	F	20,48	0,80	H	47	1,85	0,09	0,19
20	QCB-20A-NPT34	FEMALE	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,49	1,07
	QCB-20B-NPT34	MALE	E	36	1,41	3/4"	F	29	1,14	H	56	2,20	0,21	0,46
25	QCB-25A-NPT1	FEMALE	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,75	1,65
	QCB-25B-NPT1	MALE	E	41	1,61	1"	F	34,21	1,34	H	66	2,59	0,31	0,68

ASME.B1.20.1.NPT

BODY SIZE	WORKİNG PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
6	-	-	-	-	-	-	-	-	-	-	-	-
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50	10	1450	10	1450	10	1450	40	5800	40	5800	40	5800

BODY SIZE	RATED FLOW			FLUID LOSS PER DİSCONNECT	CONNECTİNG FORCE		DİSCONNECTİNG FORCE	
	PRES.DROP (kPa)	L/MİN	GPM	ml	N	lbf	N	lbf
6	-	-	-	-	-	-	-	-
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
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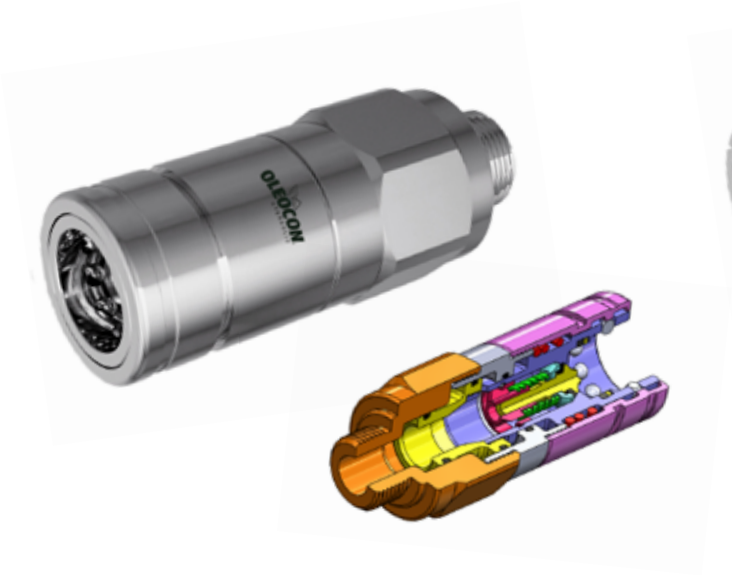
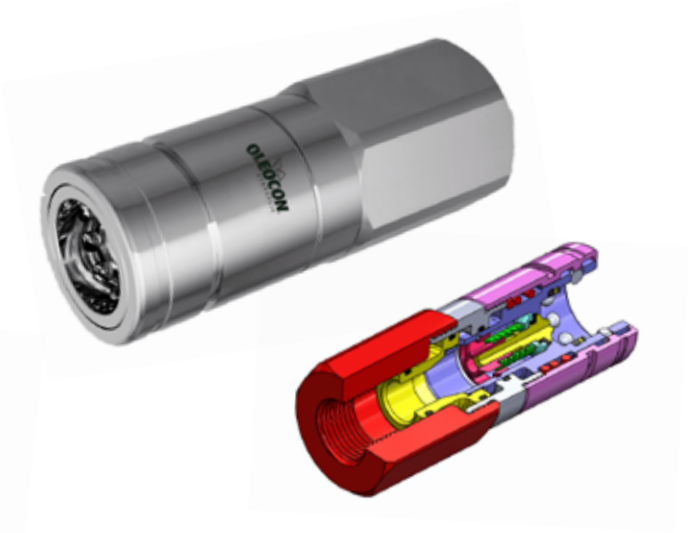
PUSH PULL





3D SECTION

TECHNICAL FEATURES AND OPTIONS

3D SECTION

Locking Mechanism
Locking Ball System

Flow Rate
Up to 45 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +100 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - Metric

Connection Under Pressure
Conneton: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 12.5

Sealing Description
NBR - FKM

Valving Style
Popet

MAIN APPLICATIONS

OIL & GAS
AGRICULTURE
HYDRAULIC INDUSTRY
EARTH MOVING
HYDRAULIC EQUIPMENT
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VEHICLES
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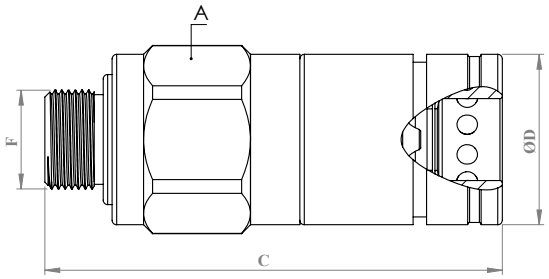
- Top quality sealing rings provides high level of protection.
- The designs are developed to prevent pressure drops and turbulences.
- Durable and simple to use design.
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of male and female parts.

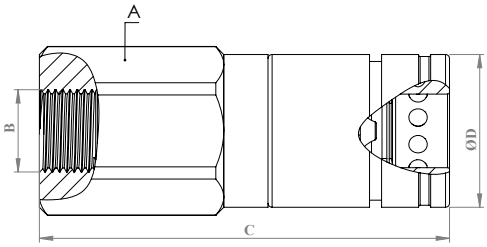
TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(F)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
12,5	PP-R12B-M22	FEMALE	M		38	1,49	M22*1,5	D	38	1,49	C	102	4,01	0,55	1,21

ISO 8434-1

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
12,5	PP-R12A-G12	FEMALE	BSP	A	38	1,49	G1/2	D	38	1,49	C	102	4,01	0,61	1,34
	PP-R12A-NPT12	FEMALE	NPT	A	38	1,49	NPT1/2	D	38	1,49	C	102	4,01	0,61	1,34
	PP-R12A-SAE 8	FEMALE	UN	A	38	1,49	3/4UNF	D	38	1,49	C	102	4,01	0,61	1,34

PUSH PULL

3D SECTION

TECHNICAL FEATURES AND OPTIONS

3D SECTION

- Locking Mechanism: Locking Ball System
- Flow Rate: Up to 45 l / min
- Material: Carbon Steel, Stainless Steel, Brass
- Working Temperature: -20 °C / +100 °C
- Interchange: ISO 7241-A
- Connection System: Single Action Sleeve
- Operating Pressure: Up to 315 Bar
- Available Threads: BSP - Metric
- Connection Under Pressure: Conetion: not Allowed, Disconnection: not Allowed
- Body Sizes: ISO 12.5
- 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.

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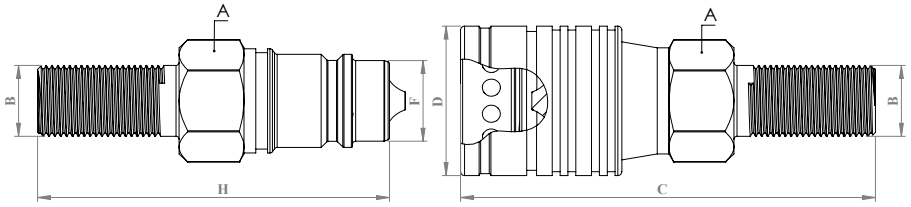
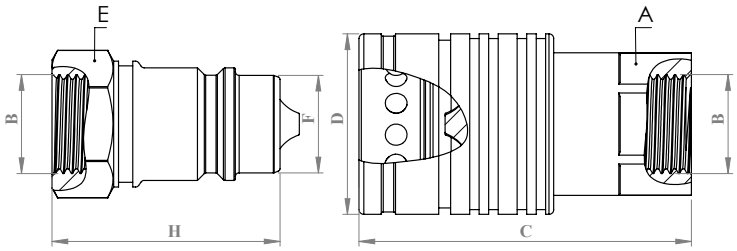
TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
12,5	PPB-12A-12L	FEMALE	M	A	27	1,06	M18*1,5	D	38	1,49	C	105,5	4,01	0,32	0,70
	PPB-12B-12L	MALE	M	E	27	1,06	M18*1,5	F	20,48	0,8	H	89,5	3,52	0,14	0,30

ISO 8434-1

TECHNICAL DRAWING



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					mm	inch			mm	inch		mm	inch	kg	lbs
12,5	PP-12A-G12	FEMALE	BSP	A	27	1,06	1/2"	D	38	1,49	C	69	2,71	0,3	0,66
	QC-12B-G12	MALE	BSP	E	27	1,06	1/2"	F	20,48	0,8	H	53,5	2,10	0,09	0,19

ISO 1179-1

PUSH PULL

TECHNICAL FEATURES AND OPTIONS

Locking Mechanism
Locking Ball System

Flow Rate
Up to 45 l / min

Material
Carbon Steel
Stainless Steel
Brass

Working Temperature
-20 °C / +100 °C

Interchange
ISO 7241-A

Connection System
Single Action Sleeve

Operating Pressure
Up to 315 Bar

Available Threads
BSP - Metric

Connection Under Pressure
Conetion: not Allowed
Disconnection: not Allowed

Body Sizes
ISO 12.5

Sealing Description
NBR - FKM

Valving Style
Popet

3D SECTION

MAIN APPLICATIONS

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

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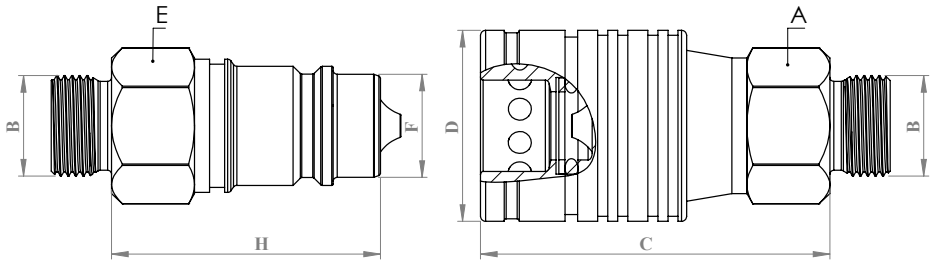


BODY SIZE	DESCRIPTION	COUPLING GENDER	THREAD TYPE	Hex			THREAD SIZE(B)	DIAMETER			LENGTH			WEIGHT	
					mm	inch			mm	inch		mm	inch	kg	lbs
12,5	PP-12A-12L	FEMALE	M	A	27	1,06	18*1,5	D	38	1,49	C	80,5	3,16	0,30	0,66
	PP-12B-12L	MALE	M	E	27	1,06	18*1,5	F	20,48	0,8	H	64,5	2,53	0,11	0,24
	PP-12A-12S	FEMALE	M	A	27	1,06	20*1,5	D	38	1,49	C	81,5	3,2	0,31	0,68
	PP-12B-12S	MALE	M	E	27	1,06	20*1,5	F	20,48	0,8	H	65,5	2,57	0,12	0,26
	PP-12A-15L	FEMALE	M	A	27	1,06	22*1,5	D	38	1,49	C	81,5	3,2	0,31	0,68
	PP-12B-15L	MALE	M	E	27	1,06	22*1,5	F	20,48	0,8	H	65,5	2,57	0,12	0,26
	PP-12A-16S	FEMALE	M	A	27	1,06	24*1,5	D	38	1,49	C	83,5	3,28	0,31	0,68
	PP-12B-16S	MALE	M	E	27	1,06	24*1,5	F	20,48	0,8	H	67,5	2,65	0,12	0,26

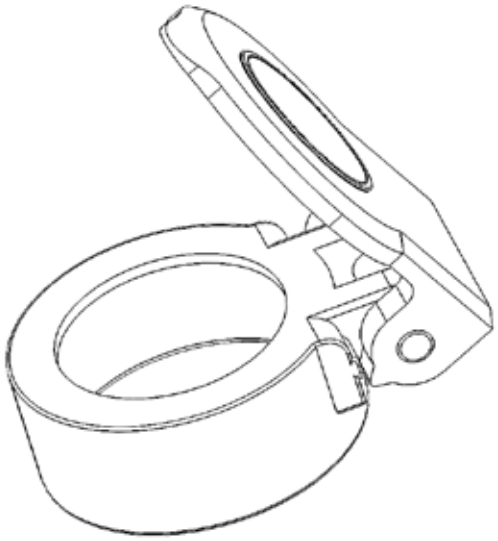
ISO 8434-1

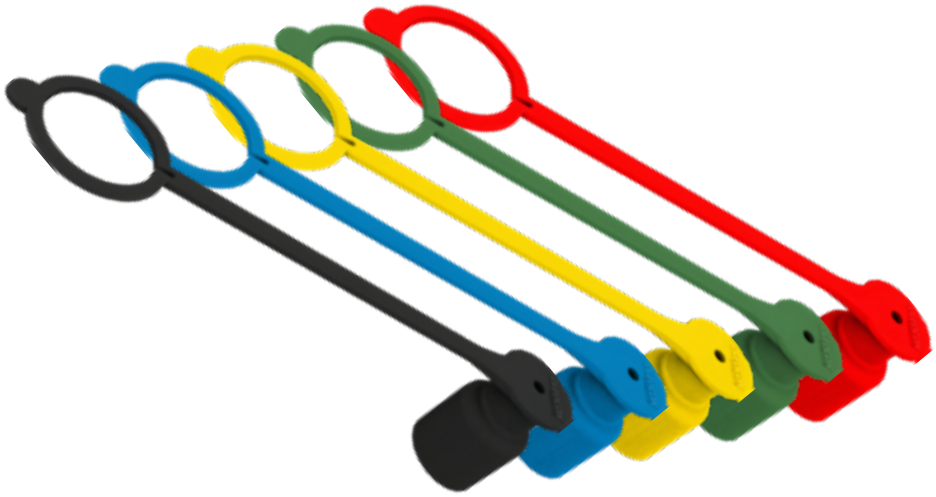
BODY SIZE	WORKING PRESSURE						BURST PRESSURE					
	COUPLE		FEMALE		MALE		COUPLE		FEMALE		MALE	
	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI
12,5	25	3625	25	3625	25	3625	100	14500	100	14500	100	14500

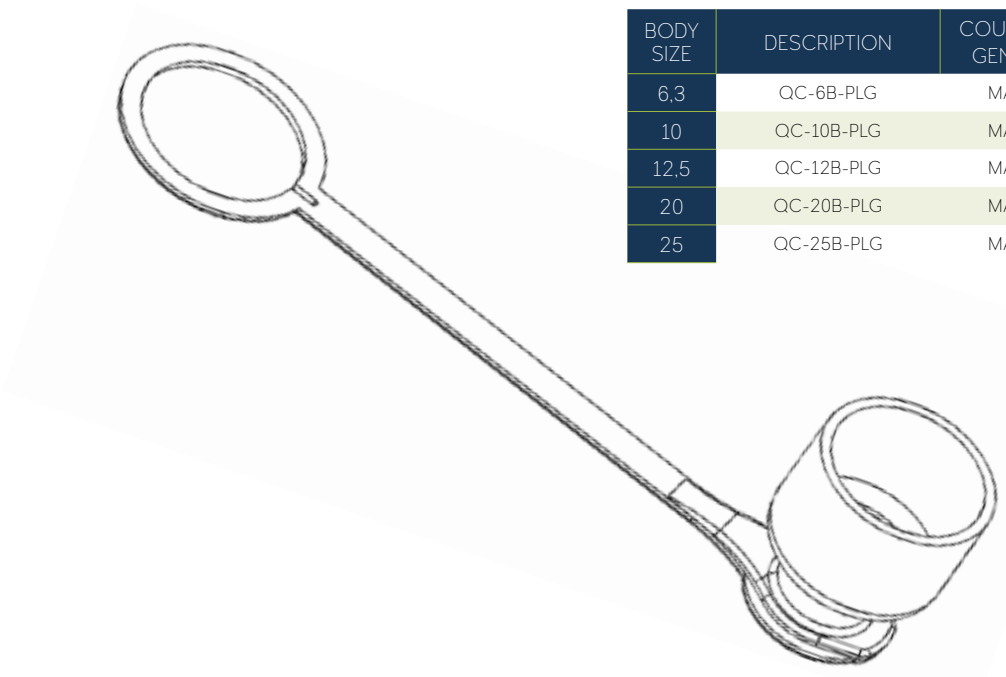
BODY SIZE	RATED FLOW			FLUID LOSS PER DIS-CONNECT	CONNECTING FORCE		DISCONNECTING FORCE	
	PRES.DROP (kPa)	L/MIN	GPM	ml	N	lbf	N	lbf
12,5	200	45	9,91	2,5	90	20,22	45	10,11

DUST COVERS

BODY SIZE	DESCRIPTION	COUPLING GENDER
6,3	QC-6A-PLGY	FEMALE
10	QC-10A-PLGY	FEMALE
12,5	QC-12A-PLGY	FEMALE
20	QC-20A-PLGY	FEMALE
25	QC-25A-PLGY	FEMALE

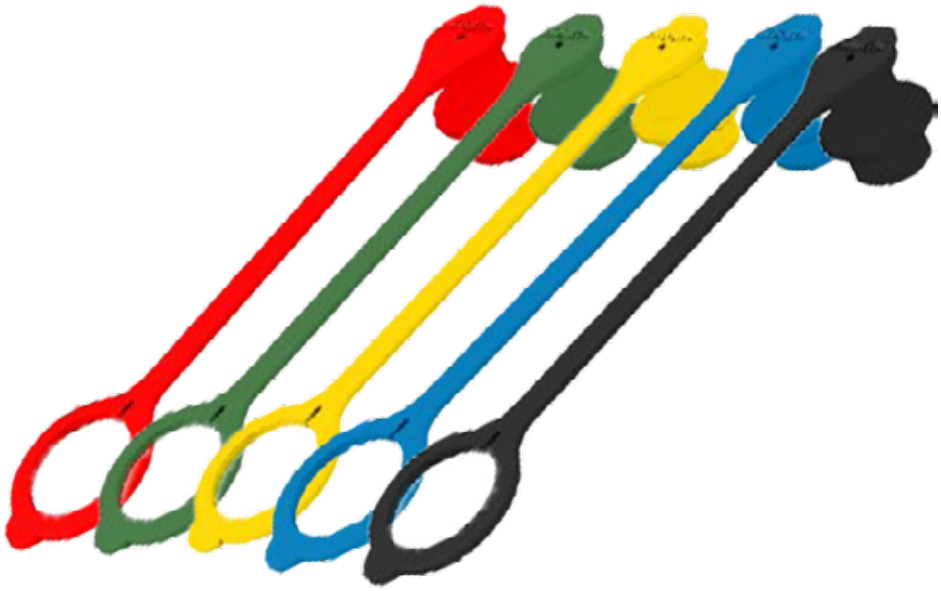




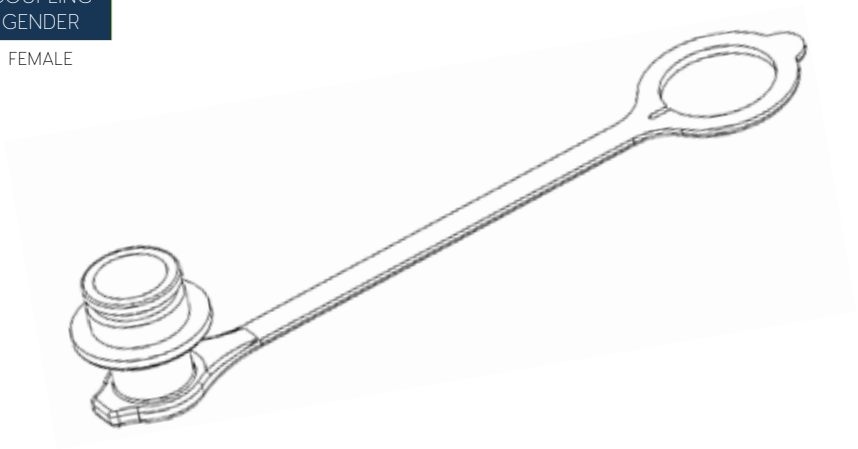


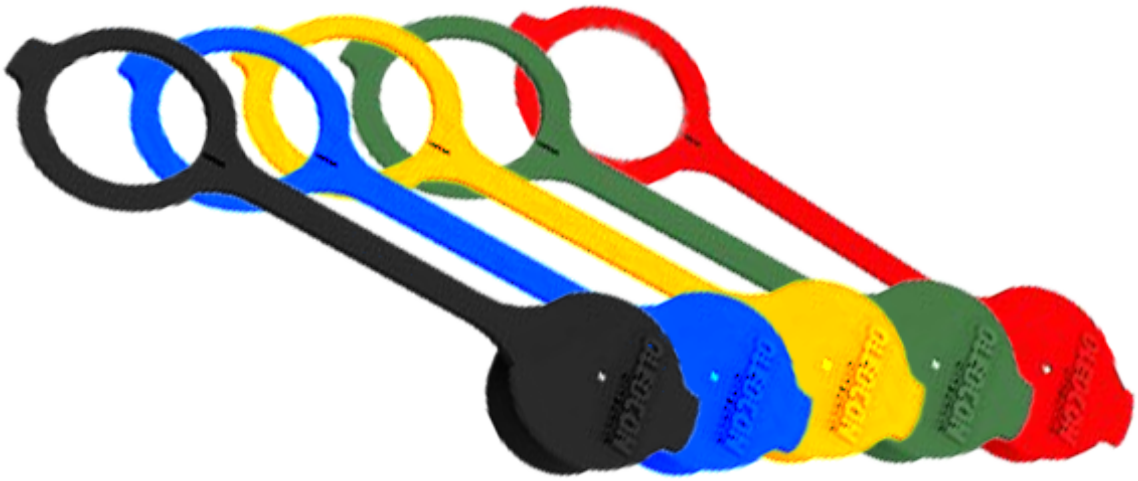
BODY SIZE	DESCRIPTION	COUPLING GENDER
6,3	QC-6B-PLG	MALE
10	QC-10B-PLG	MALE
12,5	QC-12B-PLG	MALE
20	QC-20B-PLG	MALE
25	QC-25B-PLG	MALE

DUST COVERS

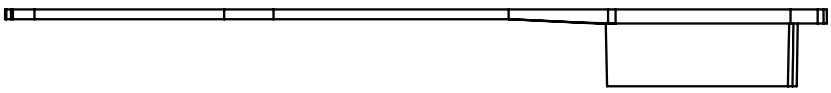


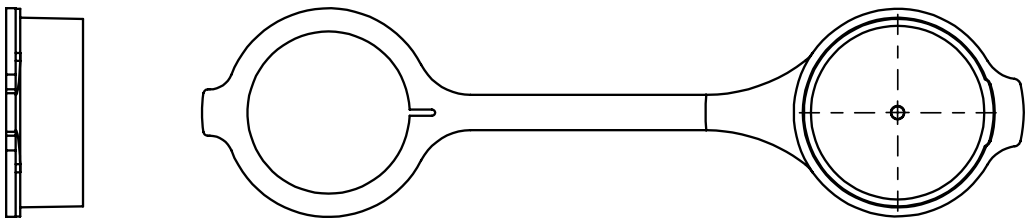
BODY SIZE	DESCRIPTION	COUPLING GENDER
12,5	QC-12A-PLG	FEMALE



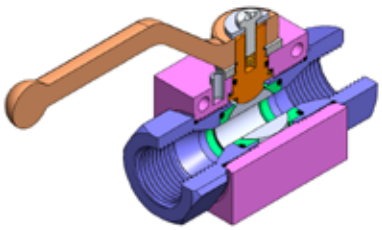


BODY SIZE	DESCRIPTION	COUPLING GENDER
12,5	QC-12A-RPG	FEMALE





BALL VALVES - KV2 SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
High Strenght Carbon Steel
Stainless Steel

Operating Pressure
Up to 500 Bar

Available Threads
BSP - NPT - SAE - Metric

Body Sizes
DN10-25

Sealing Description
NBR - FKM - PTFE - EPDM

MAIN APPLICATIONS

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

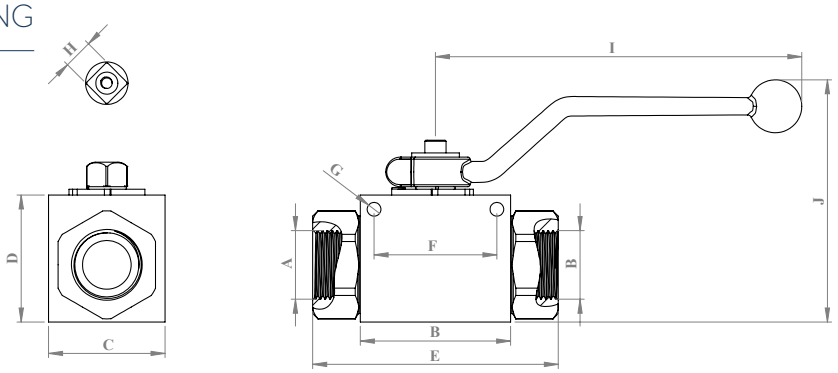
WARNING

- Please ensure that the flow speeds don't go beyond the usual values.
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- KV2 Series hydraulic 2-Way ball valves are used to either shut-off or open of flow passage and their easy operation provides unrestricted flow.
- Due to their volumetric structure they work rapidlyand efficently and prevent cavitation.
- KV2 Series ball valves can be locked in the open or closed position through locking washer on the circle pin.
- Internal ball is hard chrome coated steel and delrin (POM) seated.

TECHNICAL DRAWING



SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10G14	1/4"	46	1,81	30	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
	KV2-10G38	3/8"	46	1,81	30	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,42	0,93
12,5	KV2-12G12	1/2"	51	2	35	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,62	1,37
20	KV2-20G34	3/4"	61	2,4	45	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,26	2,79
25	KV2-25G1	1"	71	2,79	55	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,88	4,17
	KV2-25G114	1 1/4"	71	2,79	55	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	1,95	4,32
	KV2-25G112	1 1/2"	71	2,79	55	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,05	4,55

ISO 1179-1 BSPP

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10NPT14	1/4"	46	1,81	30	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
	KV2-10NPT38	3/8"	46	1,81	30	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,42	0,93
12,5	KV2-12NPT12	1/2"	51	2	35	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,62	1,37
20	KV2-20NPT34	3/4"	61	2,4	45	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,26	2,79
25	KV2-25NPT1	1"	71	2,79	55	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,88	4,17
	KV2-25NPT114	1 1/4"	71	2,79	55	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	1,95	4,32
	KV2-25NPT112	1 1/2"	71	2,79	55	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,05	4,55

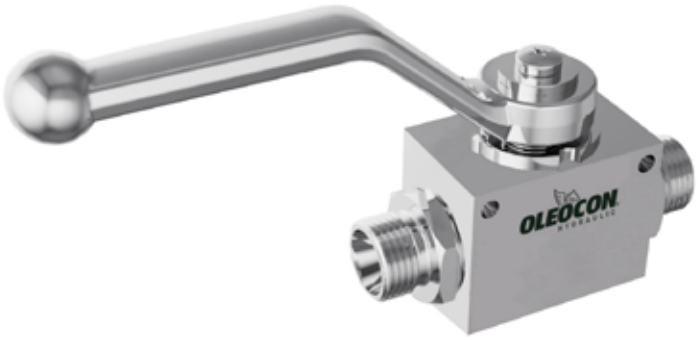
ASME.B1.20.1.NPT

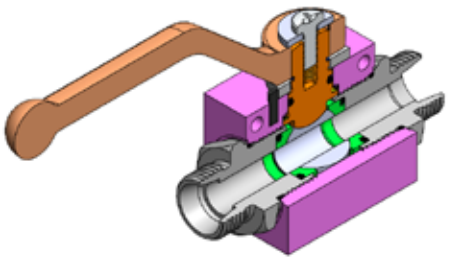
SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10SAE4	7/16 UNF	46	1,81	30	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
	KV2-10SAE6	9/16UNF	46	1,81	30	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,42	0,93
12,5	KV2-12SAE8	3/4UNF	51	2	35	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,62	1,37
20	KV2-20SAE12	1 1/16UN	61	2,4	45	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,26	2,79
25	KV2-25SAE16	1 5/16 UN	71	2,79	55	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,88	4,17
	KV2-25SAE20	1 5/8 UN	71	2,79	55	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	1,95	4,32
	KV2-25SAE24	1 7/8 UN	71	2,79	55	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,05	4,55

ISO 11926-1

WORKING PRESSURE														
10(6)		10		12		20		25		25 (31,5)		25 (40)	
MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi
50	7250	50	7250	50	7250	40	5800	40	5800	35	5075	35	5075

BALL VALVES - KV2 SERIES





TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
High Strenght Carbon Steel
Stainless Steel

Operating Pressure
Up to 500 Bar

Available Threads
BSP - NPT - SAE - Metric

Body Sizes
DN10-25

Sealing Description
NBR - FKM - PTFE - EPDM

MAIN APPLICATIONS

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

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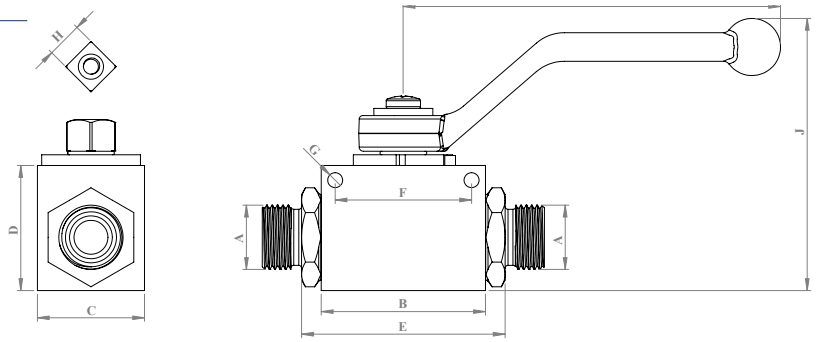
TECHNICAL DRAWING



SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10L6	M12*1,5	46	1,81	30	1,18	35	1,37	78	3,07	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,40	0,88
	KV2-10L8	M14*1,5	46	1,81	30	1,18	35	1,37	78	3,07	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,42	0,93
	KV2-10L10	M16*1,5	46	1,81	30	1,18	35	1,37	80	3,14	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,43	0,95
	KV2-10L12	M18*1,5	46	1,81	30	1,18	35	1,37	80	3,14	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,41	0,91
12,5	KV2-12L15	M22*1,5	51	2	35	1,37	40	1,57	89	3,5	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,60	1,33
	KV2-12L18	M26*1,5	51	2	35	1,37	40	1,57	89	3,5	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,61	1,35
20	KV2-20L22	M30*2	61	2,4	45	1,77	55	2,16	95	3,74	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,25	2,77
25	KV2-25L28	M36*2	71	2,79	55	2,16	60	2,36	131	5,15	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,36	3,01
	KV2-25L35	M45*2	71	2,79	55	2,16	60	2,36	133	5,23	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	1,95	4,32
	KV2-25L42	M52*2	71	2,79	55	2,16	60	2,36	148	5,82	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,45	5,43

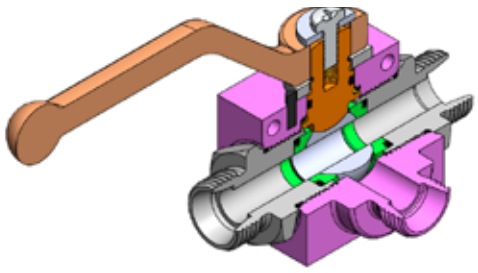
ISO 8434 - 1

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV2-10S6	M14*1,5	46	1,81	30	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
	KV2-10S8	M16*1,5	46	1,81	30	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,47	1,04
	KV2-10S10	M18*1,5	46	1,81	30	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,43	0,95
	KV2-10S12	M20*1,5	46	1,81	30	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,44	0,97
12,5	KV2-12S16	M24*1,5	51	2	35	1,37	40	1,57	93	3,66	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,62	1,37
20	KV2-20S20	M30*2	61	2,4	45	1,77	55	2,16	99	3,89	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,30	2,88
25	KV2-25S25	M36*2	71	2,79	55	2,16	60	2,36	135	5,31	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,40	3,10
	KV2-25S30	M42*2	71	2,79	55	2,16	60	2,36	141	5,55	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,04	4,52
	KV2-25S38	M52*2	71	2,79	55	2,16	60	2,36	160	6,29	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,49	5,52

ISO 8434 - 1

WORKING PRESSURE													
10(6)		10		12		20		25		25 (31,5)		25 (40)	
MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi
50	7250	50	7250	50	7250	40	5800	40	5800	35	5075	35	5075

BALL VALVES - KV3L SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
High Strenght Carbon Steel
Stainless Steel

Operating Pressure
Up to 500 Bar

Available Threads
BSP - NPT - SAE - Metric

Body Sizes
DN10-25

Sealing Description
NBR - FKM - PTFE - EPDM

MAIN APPLICATIONS

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

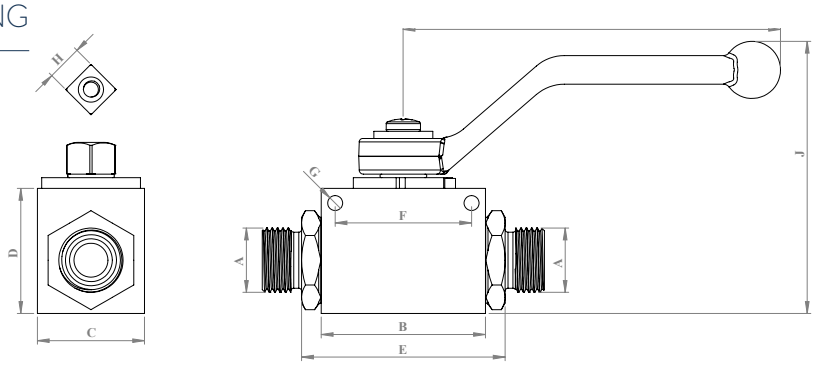
WARNING

- Please ensure that the flow speeds don't go beyond the usual values.
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- KV3 Series hydraulic 3-Way ball valves are used to either shut-off or open of flow passage and their easy operation provides unrestricted flow.
- Due to their volumetric structure they work rapidly and efficently and prevent cavitation.
- KV3 Series ball valves can be locked in the open or closed position through locking washer on the circle pin.
- Internal ball is hard chrome coated steel and delrin (POM) seated.

TECHNICAL DRAWING



SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3L-10L6	M12*1,5	46	1,81	46	1,18	35	1,37	78	3,07	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
	KV3L-10L8	M14*1,5	46	1,81	46	1,18	35	1,37	78	3,07	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,44	0,97
	KV3L-10L10	M16*1,5	46	1,81	47	1,18	35	1,37	80	3,14	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,47	1,04
	KV3L-10L12	M18*1,5	46	1,81	47	1,18	35	1,37	80	3,14	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,46	1,02
12,5	KV3L-12L15	M22*1,5	51	2	54	1,37	40	1,57	89	3,5	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,71	1,57
	KV3L-12L18	M26*1,5	51	2	54	1,37	40	1,57	89	3,5	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,72	1,59
20	KV3L-20L22	M30*2	61	2,4	57	1,77	55	2,16	99	3,74	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,25	2,77
25	KV3L-25L28	M36*2	71	2,79	85	2,16	60	2,36	131	5,15	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,46	3,24
	KV3L-25L35	M45*2	71	2,79	86	2,16	60	2,36	133	5,23	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,75	6,10
	KV3L-25L42	M52*2	71	2,79	94	2,16	60	2,36	148	5,82	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	3,35	7,43

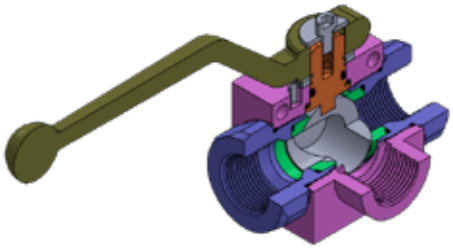
ISO 8434 - 1

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3L-10S6	M14*1,5	46	1,81	48	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,50	1,11
	KV3L-10S8	M16*1,5	46	1,81	48	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,50	1,11
	KV3L-10S10	M18*1,5	46	1,81	49	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,47	1,04
	KV3L-10S12	M20*1,5	46	1,81	49	1,18	35	1,37	82	3,22	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,49	1,08
12,5	KV3L-12S16	M24*1,5	51	2	56	1,37	40	1,57	93	3,66	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,72	1,59
20	KV3L-20S20	M30*2	61	2,4	59	1,77	55	2,16	103	3,89	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,40	3,10
25	KV3L-25S25	M36*2	71	2,79	87	2,16	60	2,36	135	5,31	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,50	3,33
	KV3L-25S30	M42*2	71	2,79	90	2,16	60	2,36	141	5,55	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,84	6,30
	KV3L-25S38	M52*2	71	2,79	100	2,16	60	2,36	160	6,29	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	3,40	7,54

ISO 8434 - 1

WORKING PRESSURE														
10(6)		10		12		20		25		25 (31,5)		25 (40)	
MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi
50	7250	50	7250	50	7250	40	5800	40	5800	35	5075	35	5075

BALL VALVES - KV3L SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
High Strenght Carbon Steel
Stainless Steel

Operating Pressure
Up to 500 Bar

Available Threads
BSP - NPT - SAE - Metric

Body Sizes
DN10-25

Sealing Description
NBR - FKM - PTFE - EPDM

MAIN APPLICATIONS

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

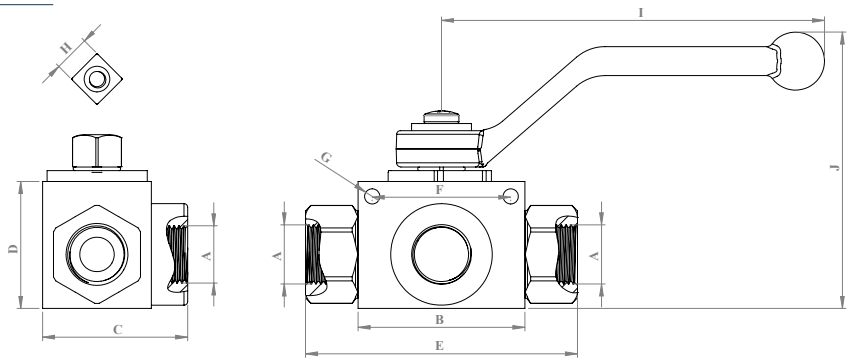
WARNING

- Please ensure that the flow speeds don't go beyond the usual values.
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- KV3 Series hydraulic 3-Way ball valves are used to either shut-off or open of flow passage and their easy operation provides unrestricted flow.
- Due to their volumetric structure they work rapidly and efficently and prevent cavitation.
- KV3 Series ball valves can be locked in the open or closed position through locking washer on the circle pin.
- Internal ball is hard chrome coated steel and delrin (POM) seated.

TECHNICAL DRAWING



SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3L-10G14	1/4"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3L-10G38	3/8"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3L-12G12	1/2"	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3L-20G34	3/4"	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3L-25G1	1"	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3L-25G114	1 1/4"	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3L-25G112	1 1/2"	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ISO 1179-1 BSPP

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3L-10NPT14	1/4"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3L-10NPT38	3/8"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3L-12NPT12	1/2"	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3L-20NPT34	3/4"	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3L-25NPT1	1"	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3L-25NPT114	1 1/4"	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3L-25NPT112	1 1/2"	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

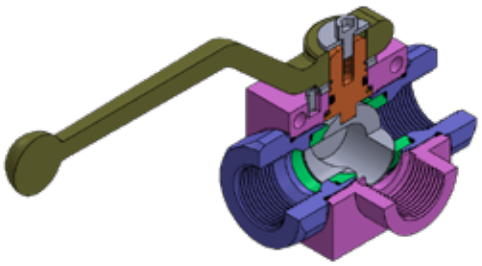
ASME.B1.20.1.NPT

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3L-10SAE4	7/16 UNF	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3L-10SAE6	9/16UNF	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3L-12SAE8	3/4UNF	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3L-20SAE12	11/16UN	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3L-25SAE16	15/16 UN	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3L-25SAE20	15/8 UN	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3L-25SAE24	1 7/8 UN	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ISO 11926-1

WORKING PRESSURE														
10(6)		10		12		20		25		25 (31,5)		25 (40)	
MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi
50	7250	50	7250	50	7250	40	5800	40	5800	35	5075	35	5075

BALL VALVES - KV3T SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
High Strenght Carbon Steel
Stainless Steel

Operating Pressure
Up to 500 Bar

Available Threads
BSP - NPT - SAE - Metric

Body Sizes
DN10-25

Sealing Description
NBR - FKM - PTFE - EPDM

MAIN APPLICATIONS

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

WARNING

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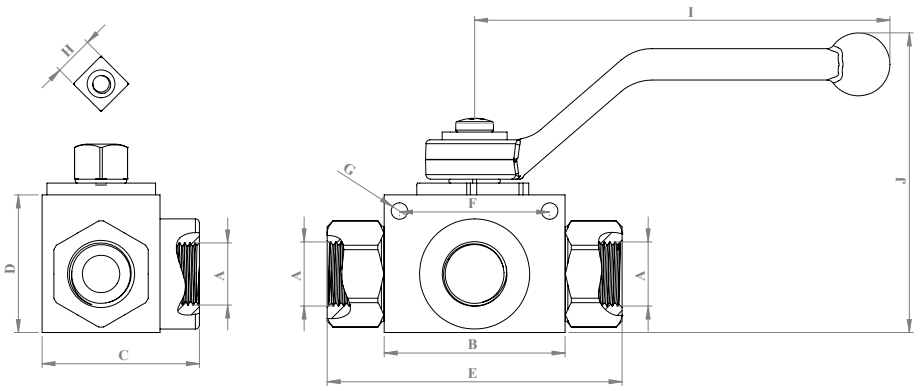
TECHNICAL DRAWING



SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3T-10G14	1/4"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3T-10G38	3/8"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3T-12G12	1/2"	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3T-20G34	3/4"	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3T-25G1	1"	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3T-25G114	1 1/4"	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3T-25G112	1 1/2"	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ISO 1179-1 BSPP

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3T-10NPT14	1/4"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3T-10NPT38	3/8"	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3T-12NPT12	1/2"	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3T-20NPT34	3/4"	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3T-25NPT1	1"	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3T-25NPT114	1 1/4"	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3T-25NPT112	1 1/2"	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

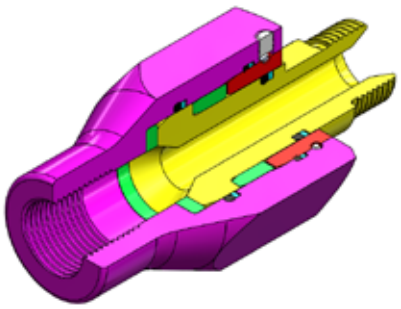
ASME.B1.20.1.NPT

SIZE DN	DESCRIPTION	A	B		C		D		E		F		G		H		I		J		WEIGHT	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	inch
10	KV3T-10SAE4	7/16 UNF	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,48	1,06
	KV3T-10SAE6	9/16UNF	46	1,81	40	1,18	35	1,37	75	2,95	38	1,49	4,2	0,16	10	0,39	108	5,74	76	2,99	0,45	0,99
12,5	KV3T-12SAE8	3/4UNF	51	2	50	1,37	40	1,57	82,5	3,24	41,5	1,63	5	0,19	10	0,39	108	7,48	82	3,22	0,66	1,46
20	KV3T-20SAE12	1 1/16UN	61	2,4	60	1,77	55	2,16	92	3,62	50	1,96	6,5	0,25	14	0,55	175	8,7	110	4,33	1,31	2,90
25	KV3T-25SAE16	1 5/16 UN	71	2,79	76	2,16	60	2,36	116	4,56	58	2,28	6,5	0,25	14	0,55	175	9,17	114	4,48	1,87	4,15
	KV3T-25SAE20	1 5/8 UN	71	2,79	90	2,16	60	2,36	130	5,11	58	2,28	6,5	0,25	14	0,55	175	9,44	114	4,48	2,80	6,21
	KV3T-25SAE24	1 7/8 UN	71	2,79	90	2,16	60	2,36	136	5,35	58	2,28	6,5	0,25	14	0,55	175	9,56	114	4,48	2,90	6,43

ISO 11926-1

WORKING PRESSURE														
10(6)		10		12		20		25		25 (31,5)		25 (40)	
MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi	MPa	Psi
50	7250	50	7250	50	7250	40	5800	40	5800	35	5075	35	5075

SWIWEL JOINT - SJS SERIES STRAIGHT



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
Carbon Steel
Stainless Steel
Brass

Operating Pressure
Up to 350 Bar

Available Threads
BSP

Available Sizes
From 1/4" to 1"

Sealing Description
NBR - FKM

MAIN APPLICATIONS

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

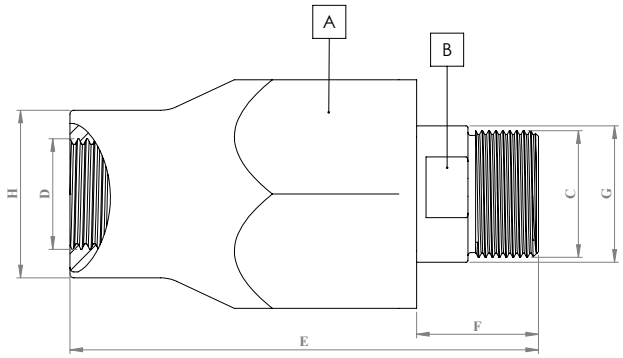
WARNING

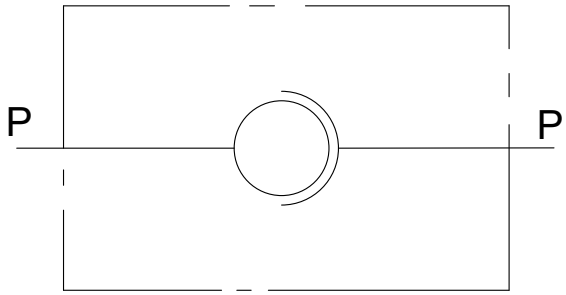
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- SJS Series hydraulic swivel joints are mounted between the end of a moving hose and a fixed component to prevent hose's damaging by compensating its torsion and twisting.
- SJS Series hydraulic swivel joints are not suitable for fast and permanent rotations.They are suitable for slow rotations and high pressure applications.
- Simple to use.

TECHNICAL DRAWING



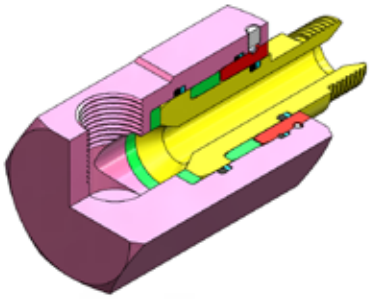


BODY SIZE	DESCRIPTION	Hex			THREAD SIZE		LENGTH			DIAMETER			WEIGHT	
			mm	inch				mm	inch		mm	inch	kg	lbs
06	SJS-6-G14M	A	32	1,25	C	1/4	E	73,5	2,89	G	16	0,62	0,27	0,59
		B	13	0,51	D	1/4	F	19,5	0,76	H	24	0,94		
10	SJS-10-G38M	A	36	1,41	C	3/8	E	81	3,18	G	19	0,74	0,35	0,77
		B	15	0,59	D	3/8	F	22	0,86	H	26	1,02		
12,5	SJS-12-G12M	A	41	1,61	C	1/2	E	93	3,66	G	23	0,90	0,53	1,16
		B	19	0,74	D	1/2	F	25	0,98	H	32	1,25		
19	SJS-19-G34M	A	55	2,16	C	3/4	E	108	4,25	G	29	1,14	1,06	2,33
		B	27	1,06	D	3/4	F	28	1,10	H	38	1,49		
25	SJS-25-G1M	A	60	2,36	C	1	E	123	4,84	G	36	1,41	1,35	2,97
		B	32	1,25	D	1	F	32	1,25	H	44	1,73		

ISO 8434-6 - ISO 1179-1

BODY SIZE	WORKING PRESSURE		BURST PRESSURE	
	MPa	PSI	MPa	PSI
6	35	5076	100	14504
10	35	5076	100	14504
12,5	35	5076	100	14504
19	30	4351	100	14504
25	30	4351	100	14504

SWIWEL JOINT - SJE SERIES ELBOW



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
Carbon Steel
Stainless Steel
Brass

Operating Pressure
Up to 350 Bar

Available Threads
BSP

Available Sizes
From 1/4" to 1"

Sealing Description
NBR - FKM

MAIN APPLICATIONS

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

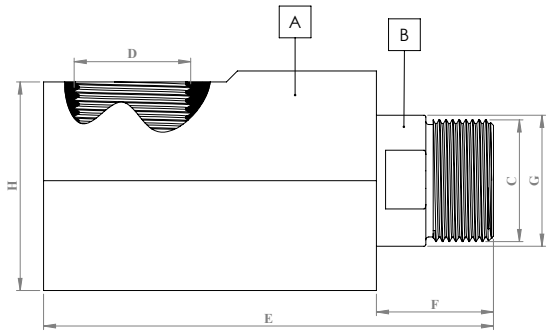
WARNING

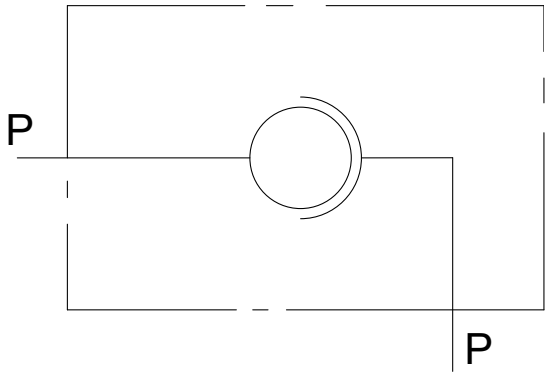
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- SJE Series hydraulic swivel joints are mounted between the end of a moving hose and a fixed component to prevent hose's damaging by compensating its torsion and twisting.
- SJE Series hydraulic swivel joints are not suitable for fast and permanent rotations.They are suitable for slow rotations and high pressure applications.
- Simple to use.

TECHNICAL DRAWING



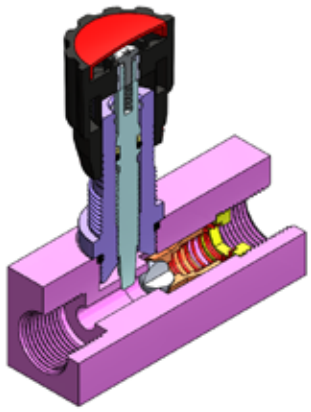


BODY SIZE	DESCRIPTION	Hex			THREAD SIZE		LENGTH			DIAMETER			WEIGHT	
			mm	inch				mm	inch		mm	inch	kg	lbs
06	SJE-6-G14M	A	32	1,25	C	1/4	E	73,5	2,89	G	16	0,62	0,32	0,70
		B	13	0,51	D	1/4	F	19,5	0,76	H	31	1,22		
10	SJE-10-G38M	A	36	1,41	C	3/8	E	81	3,18	G	19	0,74	0,44	0,96
		B	15	0,59	D	3/8	F	22	0,86	H	35	1,37		
12,5	SJE-12-G12M	A	41	1,61	C	1/2	E	93	3,66	G	23	0,90	0,64	1,40
		B	19	0,74	D	1/2	F	25	0,98	H	39	1,53		
19	SJE-19-G34M	A	55	2,16	C	3/4	E	108	4,25	G	29	1,14	1,38	3,03
		B	27	1,06	D	3/4	F	28	1,10	H	53	2,08		
25	SJE-25-G1M	A	60	2,36	C	1	E	123	4,84	G	36	1,41	1,78	3,91
		B	32	1,25	D	1	F	32	1,25	H	57	2,24		

ISO 8434-6 - ISO 1179-1

BODY SIZE	WORKING PRESSURE		BURST PRESSURE	
	MPa	PSI	MPa	PSI
6	35	5076	100	14504
10	35	5076	100	14504
12,5	35	5076	100	14504
19	30	4351	100	14504
25	30	4351	100	14504

BIDIRECTIONAL FLOW CONTROL VALVES - FUV SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
Carbon Steel

Operating Pressure
Up to 350 Bar

Available Threads
BSP - NPT - SAE

Available Sizes
From 1/4" to 1/2"

Sealing Description
NBR

MAIN APPLICATIONS

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

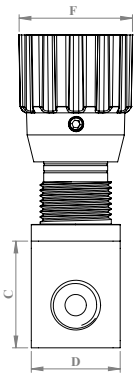
WARNING

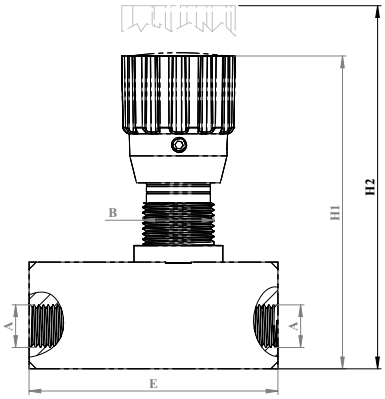
· Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
· Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
· Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
· Please ensure the alignment and full connection of the assembly parts.
· Please do not use over the maximum working pressures.
· 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.

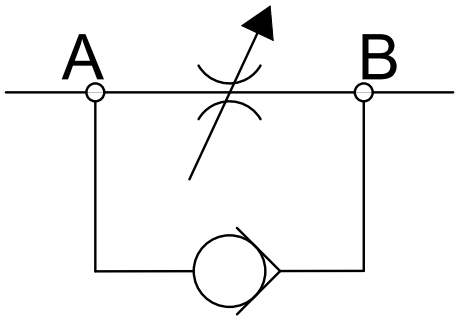
INFORMATION

· FUV Series hydraulic flow control valves with check allow shut-off and the adjustment of the flow in one direction and free flow passage in the opposite direction via the built-in check valve.
· Flow control valves provide reliable and easy control of fluid by means of the control knob allows adjustments.
· The setscrew on the knob allows the knob to be locked, preventing movements and changes due to vibration.
· FUV Series flow control valves are widely used in many fields especially in industrial units and elevating platforms by controlling and protecting of fluid power precisely and providing accurate settings for fluid speed.

TECHNICAL DRAWING

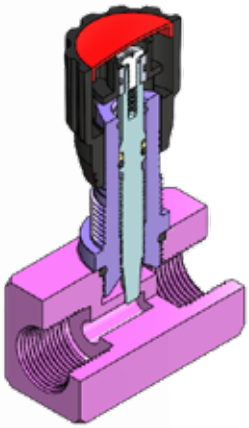






DESCRIPTION	THREAD SIZE(A)	THREAD SİZE (B)	LENGTH									WORKING PREEnsure		RATED FLOW		WEIGHT	
				mm	inch		mm	İnch		mm	inch	MPa	psi	l/min	gpm	kg	lbs
OL-06 FUV G14	G1/4	M20*1,5	C	30	1,18	E	70	2,75	H1	88	3,46	35	5075	20	5,2	0,55	1,21
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-06 FUV NPT14	1/4 NPT	M20*1,5	C	30	1,18	E	70	2,75	H1	88	3,46	35	5075	20	5,2	0,55	1,210
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-06 FUV SAE 4	7/16 -20UNF	M20*1,5	C	30	1,18	E	70	2,75	H1	88	3,46	35	5075	20	5,2	0,55	1,210
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-10 FUV G38	G 3/8	M20*1,5	C	30	1,18	E	80	3,14	H1	88	3,46	35	5075	30	7,9	0,57	1,254
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-10 FUV NPT38	3/8 NPT	M20*1,5	C	30	1,18	E	80	3,14	H1	88	3,46	35	5075	30	7,9	0,57	1,254
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-10 FUV SAE 6	9/16-18 UNF	M20*1,5	C	30	1,18	E	80	3,14	H1	88	3,46	35	5075	30	7,9	0,57	1,254
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-12 FUV G12	G 1/2	M22*1,5	C	35	1,37	E	90	3,5	H1	94	3,7	35	5075	50	13,2	0,69	1,518
			D	30	1,18	F	32	1,25	H2	103	4,05						
OL-12 FUV NPT12	1/2 NPT	M22*1,5	C	35	1,37	E	90	3,5	H1	94	3,7	35	5075	50	13,2	0,69	1,518
			D	30	1,18	F	32	1,25	H2	103	4,05						
OL-12 FUV SAE 8	3/14-16 UNF	M22*1,5	C	35	1,37	E	90	3,5	H1	94	3,7	35	5075	50	13,2	0,69	1,518
			D	30	1,18	F	32	1,25	H2	103	4,05						

BIDIRECTIONAL FLOW CONTROL VALVES - FCV SERIES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Material
Carbon Steel

Operating Pressure
Up to 350 Bar

Available Threads
BSP - NPT - SAE

Available Sizes
From 1/4" to 1/2"

Sealing Description
NBR

MAIN APPLICATIONS

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

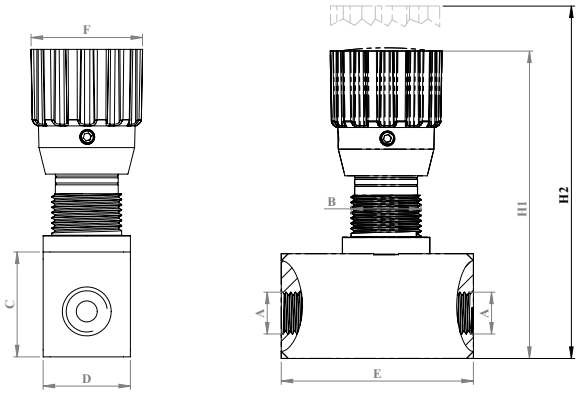
WARNING

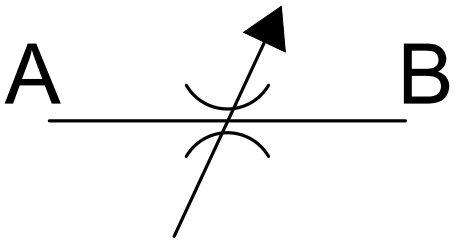
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- FCV Series hydraulic flow control valves with check allow shut-off and the adjustment of the flow in one direction and free flow passage in the opposite direction via the built-in check valve.
- Flow control valves provide reliable and easy control of fluid by means of the control knob allows adjustments.
- The setscrew on the knob allows the knob to be locked, preventing movements and changes due to vibration.
- FCV Series flow control valves are widely used in many fields especially in industrial units and elevating platforms by controlling and protecting of fluid power precisely and providing accurate settings for fluid speed.

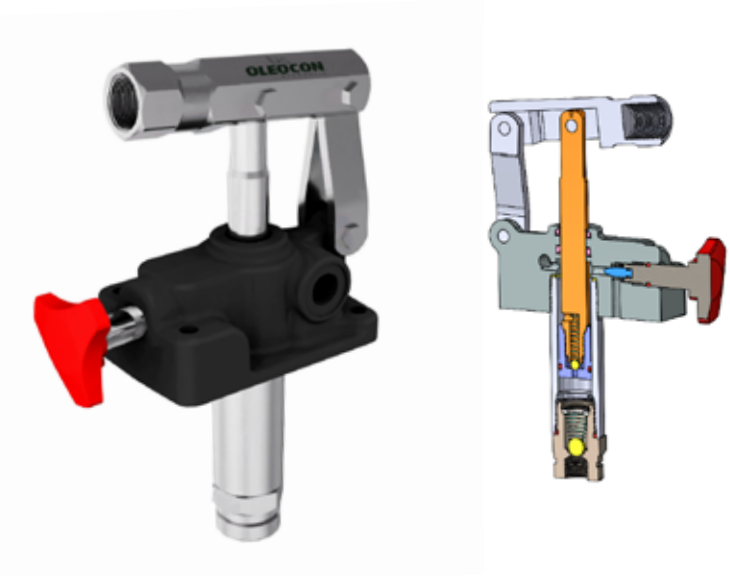
TECHNICAL DRAWING





DESCRIPTION	THREAD SIZE(A)	THREAD SİZE (B)	LENGTH									WORKING PREEnsure		RATED FLOW		WEIGHT	
				mm	inch		mm	İnch		mm	inch	MPa	psi	l/min	gpm	kg	lbs
OL-06 FCV G14	G1/4	M20*1,5	C	30	1,18	E	55	2,16	H1	88	3,46	35	5075	20	5,2	0,47	1,034
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-06 FCV NPT14	1/4 NPT	M20*1,5	C	30	1,18	E	55	2,16	H1	88	3,46	35	5075	20	5,2	0,47	1,034
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-06 FCV SAE 4	7/16 -20UNF	M20*1,5	C	30	1,18	E	55	2,16	H1	88	3,46	35	5075	20	5,2	0,47	1,034
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-10 FCV G38	G 3/8	M20*1,5	C	30	1,18	E	55	2,16	H1	88	3,46	35	5075	30	7,9	0,45	0,99
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-10 FCV NPT38	3/8 NPT	M20*1,5	C	30	1,18	E	55	2,16	H1	88	3,46	35	5075	30	7,9	0,45	0,99
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-10 FCV SAE 6	9/16-18 UNF	M20*1,5	C	30	1,18	E	55	2,16	H1	88	3,46	35	5075	30	7,9	0,45	0,99
			D	25	0,98	F	32	1,25	H2	97	3,81						
OL-12 FCV G12	G 1/2	M22*1,5	C	35	1,37	E	65	2,55	H1	94	3,7	35	5075	50	13,2	0,54	1,188
			D	30	1,18	F	32	1,25	H2	103	4,05						
OL-12 FCV NPT12	1/2 NPT	M22*1,5	C	35	1,37	E	65	2,55	H1	94	3,7	35	5075	50	13,2	0,54	1,188
			D	30	1,18	F	32	1,25	H2	103	4,05						
OL-12 FCV SAE 8	3/14-16 UNF	M22*1,5	C	35	1,37	E	65	2,55	H1	94	3,7	35	5075	50	13,2	0,54	1,188
			D	30	1,18	F	32	1,25	H2	103	4,05						

DOUBLE ACTION ONE WAY HAND PUMP



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature -20 °C / +80 °C	Available Threads BSP
Operating Pressure Up to 310 Bar	Sealing Description NBR
Available Sizes 25 cc to 45 cc	Material GGG40

MAIN APPLICATIONS

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

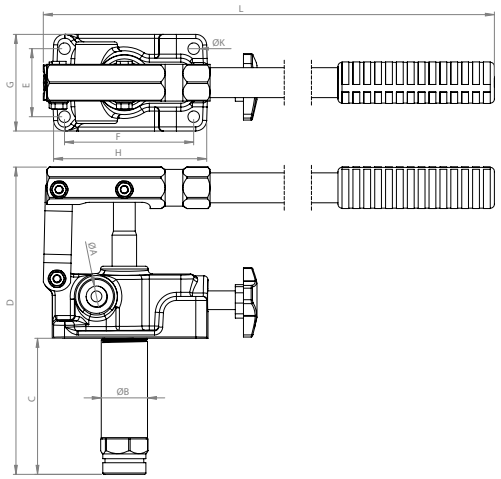
WARNING

- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

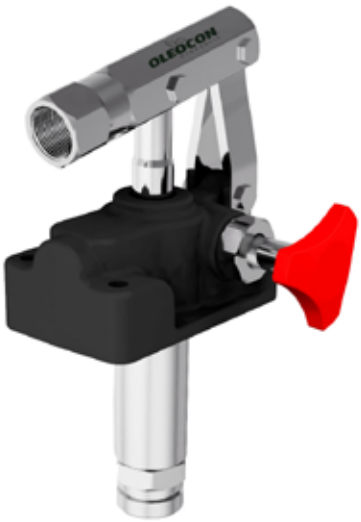
- Double acting hand pumps suitable to operate single acting applications. They can be fitted also into tank and are equipped with tapered lowering valve and with built-in adjustable relief valve.
- These hand pumps can have 2 different sizes to perform various applications and to achieve smoother loads on the lever.
- They are available with nodular cast-iron body zinc plating+sealed and nickel- plated spool.
- Simple to use

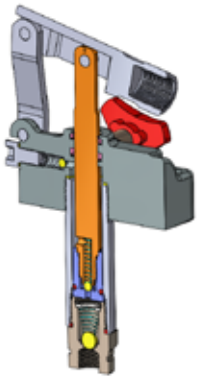
TECHNICAL DRAWING



SIZE	DESCRIPTION	PORT A		DIAMETER		LENGTH									ØK (mm)	Flow (cc)	WEIGHT		PRESSURE	
				mm	inch		mm	inch		mm	inch		mm	inch			kg	lbs	MPa	Psi
25	OHP-25-2A-1W	G3/8	B	36	1,41	C	105	4,13	E	50	1,96	G	71	2,79	8,5	25	2950	6490	35	5075
			L	560	22,04	D	230	9,05	F	95	3,74	H	115	4,52						
45	OHP-45-2A-1W	G3/8	B	40	1,57	C	115	4,52	E	50	1,96	G	71	2,79	8,5	45	3000	6600	15	2175
			L	560	22,04	D	230	9,05	F	95	3,74	H	115	4,52						

SINGLE ACTION ONE WAY HAND PUMP





TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature -20 °C / +80 °C	Available Threads BSP
Operating Pressure Up to 310 Bar	Sealing Description NBR
Available Sizes 25 cc	Material GGG40

MAIN APPLICATIONS

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

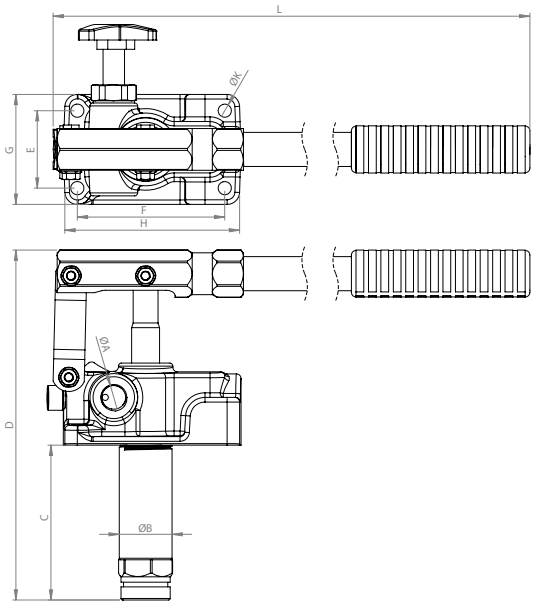
WARNING

- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

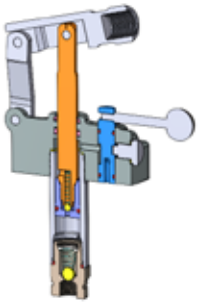
- Single acting hand pumps suitable to operate single acting applications. They can be fitted also into tank and are equipped with tapered lowering valve and with built-in adjustable relief valve.
- These hand pumps can have 2 different sizes to perform various applications and to achieve smoother loads on the lever.
- They are available with nodular cast-iron body zinc plating+sealed and nickel- plated spool.
- Simple to use

TECHNICAL DRAWING



SIZE	DESCRIPTION	PORT A		DIAMETER		LENGTH									ØK (mm)	Flow (cc)	WEIGHT		PRESSURE	
				mm	inch		mm	inch		mm	inch		mm	inch			kg	lbs	MPa	Psi
25	OHP-25-1A-1W	G3/8	B	36	1,41	C	105	4,13	E	50	1,96	G	71	2,79	8,5	25	2950	6490	35	5075
			L	560	22,04	D	230	9,05	F	95	3,74	H	115	4,52						

DOUBLE ACTION TWO WAY HAND PUMP



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Available Threads
BSP

Operating Pressure
Up to 310 Bar

Sealing Description
NBR

Available Sizes
25 cc to 45 cc

Material
GGG40

MAIN APPLICATIONS

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

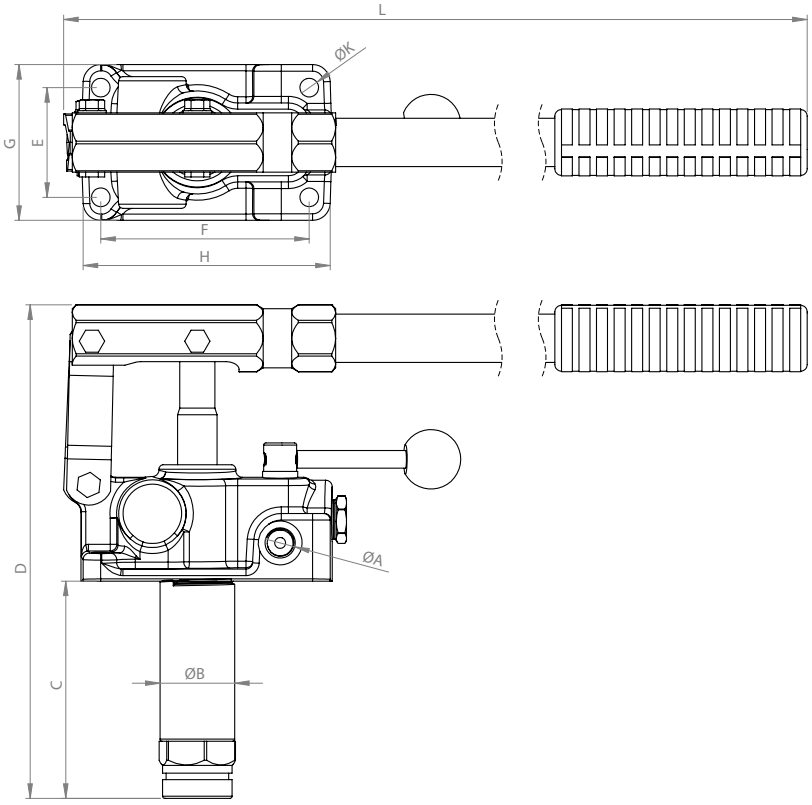
WARNING

- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

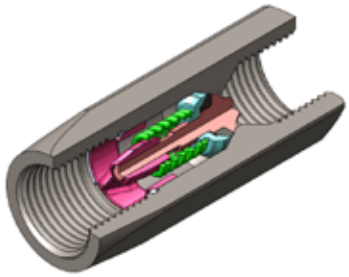
- Double acting hand pumps suitable to operate double acting applications. They can be fitted also into tank and are equipped with tapered lowering valve and with built-in adjustable relief valve.
- These hand pumps can have 2 different sizes to perform various applications and to achieve smoother loads on the lever.
- They are available with nodular cast-iron body zinc plating+sealed and nickel- plated spool.
- Simple to use

TECHNICAL DRAWING



SIZE	DESCRIPTION	PORT A		DIAMETER		LENGTH									ØK (mm)	Flow (cc)	WEIGHT		PRESSURE	
				mm	inch		mm	inch		mm	inch		mm	inch			kg	lbs	MPa	Psi
25	OHP-25-2A-2W	G1/4	B	36	1,41	C	105	4,13	E	50	1,96	G	71	2,79	8,5	25	2950	6490	35	5075
			L	560	22,04	D	230	9,05	F	95	3,74	H	115	4,52						
45	OHP-45-2A-2W	G1/4	B	40	1,57	C	115	4,52	E	50	1,96	G	71	2,79	8,5	45	3000	6600	15	2175
			L	560	22,04	D	230	9,05	F	95	3,74	H	115	4,52						

CHECK VALVE



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Flow Rate
Up to 750 l / min

Material
Carbon Steel
Stainless Steel

Operating Pressure
Up to 350 Bar

Available Threads
BSP - NPT - SAE

Available Sizes
From 1/4" to 2"

Sealing Description
NBR - FKM

MAIN APPLICATIONS

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

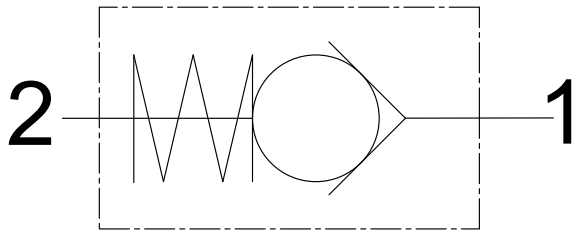
WARNING

- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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

- Optimal wearing resistance of the hardened sealing piston.
- Compact slim design.
- Different cracking pressure available upon request.
- Simple to use.

TECHNICAL DRAWING



BODY SIZE	DESCRIPTION	Hex			THREAD	DIAMETER			LENGTH			WEIGHT	
			mm	inch	SIZE(B)		mm	inch		mm	inch	kg	lbs
6,3	CV-6-G14	A	19	-	1/4 "	D	-	-	C	-	-	-	-
10	CV-10-G38	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,16	0,35
12,5	CV-12-G12	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,27	0,59
20	CV-20-G34	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,49	1,07
25	CV-25-G1	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,75	1,65
31,5	CV-31-G114	A	55	2,16	1 1/4 "	D	68	2,67	C	117,2	4,61	1,31	2,88
40	CV-40-G112	A	70	2,75	1 1/2 "	D	83	3,26	C	134,2	5,28	2,66	5,85
50	CV-50-G2	A	80	3,14	2"	D	99	3,89	C	160,2	6,30	3,89	8,55

ISO 1179-1

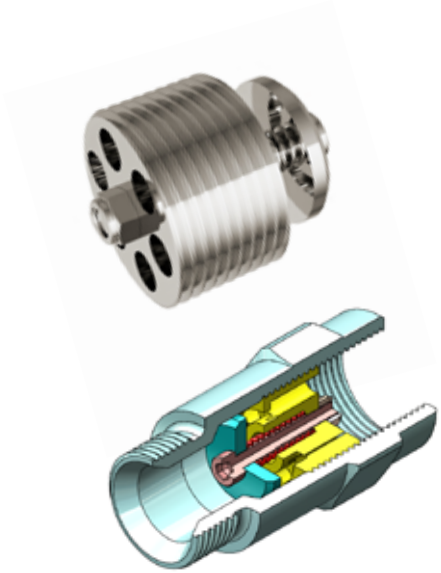
BODY SIZE	DESCRIPTION	Hex			THREAD	DIAMETER			LENGTH			WEIGHT	
			mm	inch	SIZE(B)		mm	inch		mm	inch	kg	lbs
6,3	CV-6-NPT14	A	-	-	1/4 "	D	-	-	C	-	-	-	-
10	CV-10-NPT38	A	24	0,94	3/8"	D	32	1,25	C	58	2,28	0,16	0,35
12,5	CV-12-NPT12	A	30	1,18	1/2"	D	38	1,49	C	69	2,71	0,27	0,59
20	CV-20-NPT34	A	38	1,49	3/4"	D	46,1	1,81	C	83	3,26	0,49	1,07
25	CV-25-NPT1	A	46	1,81	1"	D	54	2,12	C	99,2	3,90	0,75	1,65
31,5	CV-31-NPT114	A	55	2,16	1 1/4 "	D	68	2,67	C	117,2	4,61	1,31	2,88
40	CV-40-NPT112	A	70	2,75	1 1/2 "	D	83	3,26	C	134,2	5,28	2,66	5,85
50	CV-50-NPT2	A	80	3,14	2"	D	99	3,89	C	160,2	6,30	3,89	8,55

ASME.B1.20.1.NPT

BODY SIZE	DESCRIPTION	Hex			THREAD	DIAMETER			LENGTH			WEIGHT	
			mm	inch	SIZE(B)		mm	inch		mm	inch	kg	lbs
6,3	CV-6-SAE4	A	-	-	7/16 UNF	D	-	-	C	-	-	-	-
10	CV-10-SAE6	A	24	0,94	9/16 UNF	D	32	1,25	C	58	2,28	0,16	0,35
12,5	CV-12-SAE 8	A	30	1,18	3/4 UNF	D	38	1,49	C	69	2,71	0,27	0,59
20	CV-20-SAE12	A	38	1,49	1 1/16 UN	D	46,1	1,81	C	83	3,26	0,49	1,07
25	CV-25-SAE16	A	46	1,81	1 5/16 UN	D	54	2,12	C	99,2	3,90	0,75	1,65
31,5	CV-31-SAE20	A	55	2,16	1 5/8 UN	D	68	2,67	C	117,2	4,61	1,31	2,88
40	CV-40-SAE24	A	70	2,75	1 7/8UN	D	83	3,26	C	134,2	5,28	2,66	5,85
50	CV-50-SAE32	A	80	3,14	2 1/2UN	D	99	3,89	C	160,2	6,30	3,89	8,55

ISO 11926-1

HOSE BURST VALVE



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Flow Rate
Up to 180 l / min

Material
Carbon Steel
Stainless Steel

Operating Pressure
Up to 420 Bar

Available Threads
BSP

Available Sizes
From 1/4" to 1"

Sealing Description
NBR - FKM

MAIN APPLICATIONS

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

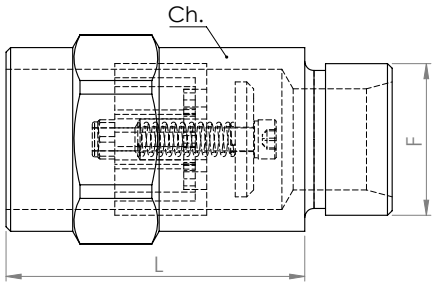
WARNING

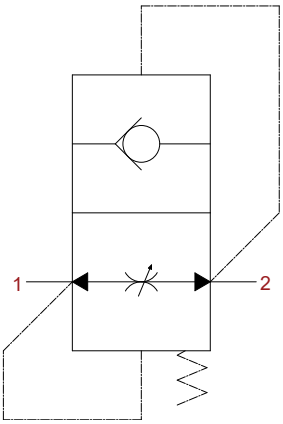
· Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
· Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
· Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
· Please ensure the alignment and full connection of the assembly parts.
· Please do not use over the maximum working pressures.
· 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

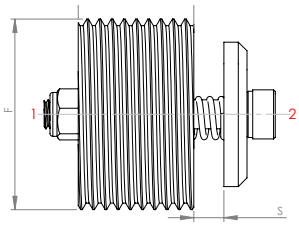
· HPV Series hydraulic hose break valves are used to prevent the uncontrolled descent of load in case of hose breakage.
· Cartridge type valves are mounted directly into the cylinder and inline valves are mounted directly into the cyclinder.
· Hose break valves are normally open during operation. If fluid flows in the reverse direction and flow exceeds setting value of the valve the closing disc will shut the flow by pushing valve seat.
· Simple to use.

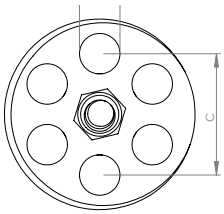
TECHNICAL DRAWING





ORDERING CODE	F	L	Ch.	WEIGHT (Kg/lbs)
HPV-101	1/4" BSP	47 (1,85)	19 (0,75)	0,08 (0,176)
HPV-102	3/8" BSP	46 (1,82)	22 (0,86)	0,10 (0,22)
HPV-103	1/2" BSP	51 (2,01)	27 (1,06)	0,16 (0,35)
HPV-104	3/4" BSP	62 (2,45)	36 (1,42)	0,34 (0,74)
HPV-105	1" BSP	65 (2,56)	41 (1,62)	0,44 (0,96)

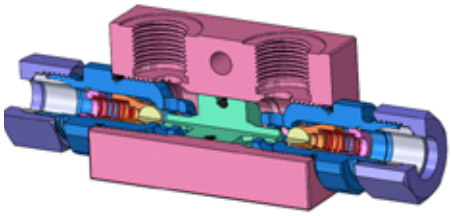




TECHNICAL CHARACTERISTICS						mm (inch)
CODE	F	C	D	L	S	WEIGHT (Kg/lbs)
HPV-101K	1/4" BSP	8,2 (0,32)	2,5 (0,10)	8 (0,32)	1,5 (0,06)	0,006 (0,013)
HPV-101K	3/8" BSP	10,4 (0,41)	3 (0,12)	10,5 (0,41)	2 (0,08)	0,013 (0,028)
HPV-101K	1/2" BSP	12 (0,47)	4 (0,16)	13 (0,51)	2 (0,08)	0,025 (0,055)
HPV-101K	3/4" BSP	15,5 (0,61)	6 (0,24)	18 (0,71)	2 (0,08)	0,05 (0,11)
HPV-101K	1" BSP	21 (0,83)	7 (0,28)	20 (0,79)	4 (0,16)	0,097 (0,21)

ISO 8434-6 - ISO 1179-1

DOUBLE ACTION
PILOT OPERATION CHECK VALVE



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Flow Rate
Up to 35 l / min

Material
Carbon Steel

Operating Pressure
Up to 350 Bar

Available Threads
Metric

Available Sizes
Metric 12 L

Sealing Description
NBR

MAIN APPLICATIONS

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

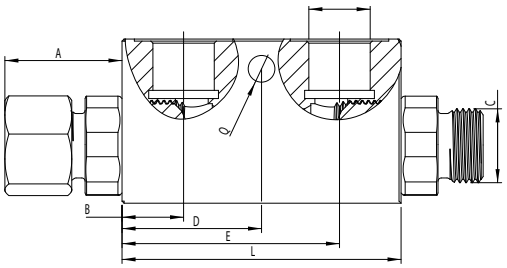
WARNING

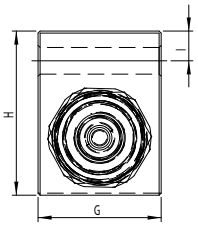
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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.

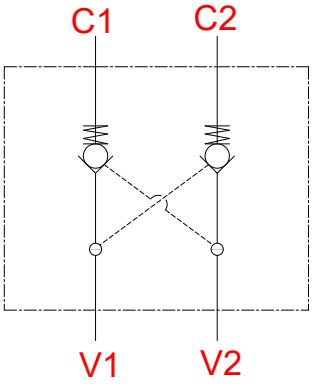
INFORMATION

- TLV Series hydraulic double pilot operated check valves are different in that they permit the valve open normally closed direction or they provide a positive shut-off by means of a specific pilot pressure signal.
- Fluid is directed towards one of the pressure opens opposite check valve and provides a return passage for fluid through the opposite check valve.
- TLV Series have excellent seal due to the heat treatment applied to internal components.
- Simple to use.

TECHNICAL DRAWING





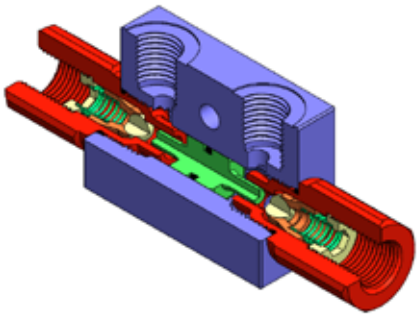


TECHNICAL CHARACTERISTICS												mm (inch)
CODE	F	A	B	D	E	C	L	Q	H	I	G	WEIGHT (Kg/lbs)
TLV-S304	3/8 BSP	28,50	15	34	53	M18x1,5 12 L	68	6,5	40	7,25	30	0,64 (1,40)

STEEL BODY

ISO-8434-1 ISO 1179-1 BSPP

DOUBLE ACTION
PILOT OPERATION CHECK VALVE



TECHNICAL FEATURES AND OPTIONS

Working Temperature
-20 °C / +80 °C

Flow Rate
Up to 50 l / min

Material
Carbon Steel

Operating Pressure
Up to 350 Bar

Available Threads
BSP

Available Sizes
From 1/4" to 1/2"

Sealing Description
NBR

3D SECTION

MAIN APPLICATIONS

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

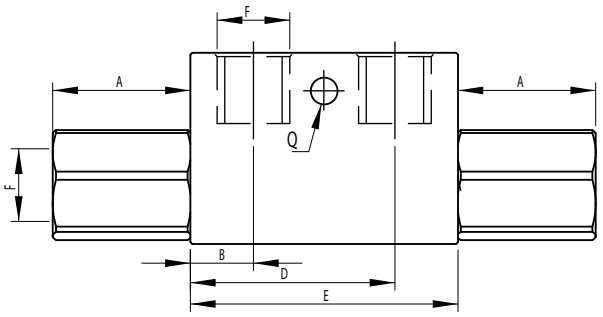
WARNING

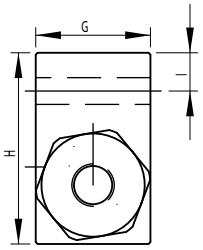
- Please be void of abnormal operating conditions. (For e.g., oscillations, impulse pressures, water hammering, cavitation, and proportions of solid materials and abrasives.)
- Please do not touch the valves at working temperature s lower than -20°C or higher than +50°C
- Please ensure the cleanliness of all connection surfaces to avoid dirt or dust accumulation in the circuit.
- Please ensure the alignment and full connection of the assembly parts.
- Please do not use over the maximum working pressures.
- 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.

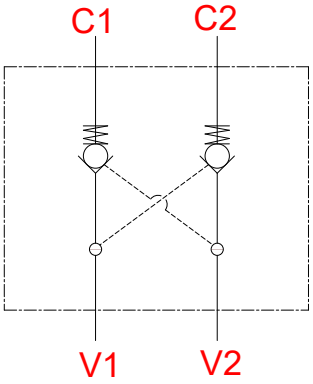
INFORMATION

- TLV Series hydraulic double pilot operated check valves are different in that they permit the valve open normally closed direction or they provide a positive shut-off by means of a specific pilot pressure signal.
- Fluid is directed towards one of the pressure opens opposite check valve and provides a return passage for fluid through the opposite check valve.
- TLV Series have excellent seal due to the heat treatment applied to internal components.
- Simple to use.

TECHNICAL DRAWING



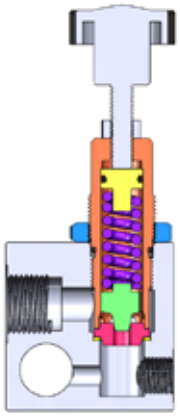




TECHNICAL CHARACTERISTICS										mm (inch)
CODE	F	A	B	D	E	C	L	Q	H	WEIGHT (Kg/lbs)
TLV-301	1/4 BSP	27	11,75	46,75	58,5	25	40	11,25	6,5	0,6 (1,32)
TLV-302	3/8 BSP	29,5	15	53	68	30	40	7,25	6,5	0,66 (1,45)
TLV-303	1/2 BSP	36	16,5	53,5	70	30	50	10	7	0,85 (1,87)
STEEL BODY										

ISO 1179-1 BSPP

RELIEF VALVES



TECHNICAL FEATURES AND OPTIONS

3D SECTION

Working Temperature
-20 °C / +80 °C

Flow Rate
Up to 50 l / min

Material
Aluminum

Operating Pressure
Up to 350 Bar

Available Threads
BSP

Available Sizes
From 1/2"

Sealing Description
NBR

MAIN APPLICATIONS

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

WARNING

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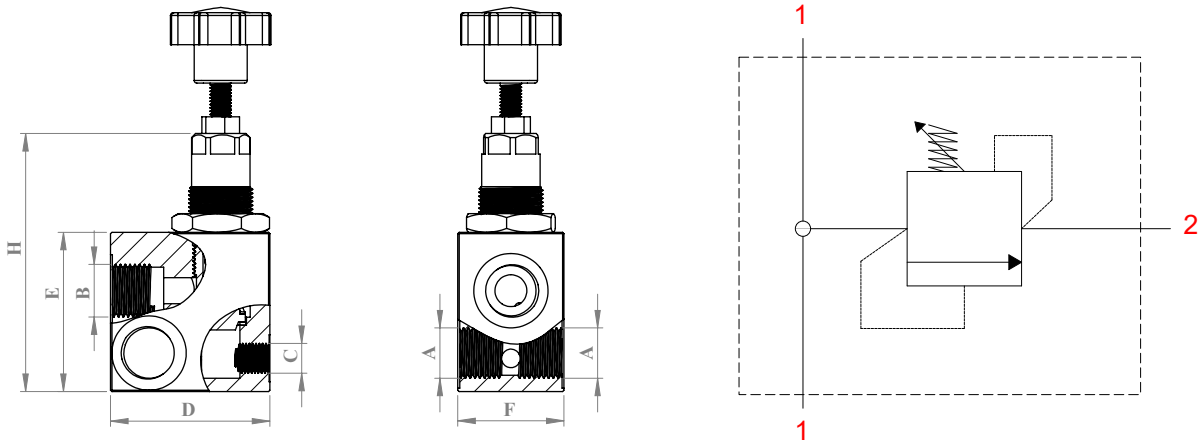
- Please contact with OLEOCON technical support for any further questions.

INFORMATION

- PS401 Series hydraulic pressure relief valves act as a part of the control systems in hydraulic systems.
- When the system gets over loaded, the pressure relief valve opens and flow comes from the pump is leaded directly into the hydraulic reservior.
- The pressure in the hydraulic system remains on the value determined by the spring on the pressure relief valve.
- PS401 Series hydraulic pressure relief valves are used to limit the pressure inside of the hydraulic circuits.

TECHNICAL DRAWING



PRODUCT CODE	SIZE	WORKING PREASURE		Port A	Port B	Port C	D	E	F	H	WEIGHT	
		Mpa	psi				mm	mm	mm	mm	kg	lbs
PS401	1/2"	41	5946	1/2"	1/2"	1/4"	60	60	40	97,2	0,5	1,1

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