CNC
MOBILE & INDUSTRIAL HYDRAULIC

QCS SERIES - AISI 316-L STAINLESS DETAILS

TECHNICAL FEATURES AND OPTIONS

Working Temperature
-15 ºC / +180 ºC

Interchange
ISO 7241 -1 "A"

Operating Pressure
Up to 350 Bar

Available Threads
BSP - NPT

Available Sizes
From 3/8" to 1"

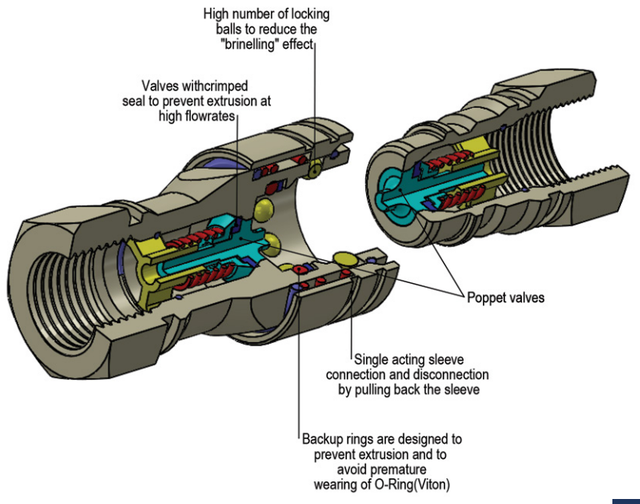
Sealing Description
Viton

Locking Mechanism
Locking Ball System

Flow Rate
Up to 258 l / min

Material
AISI 316-L Stainless Steel

BENEFITS

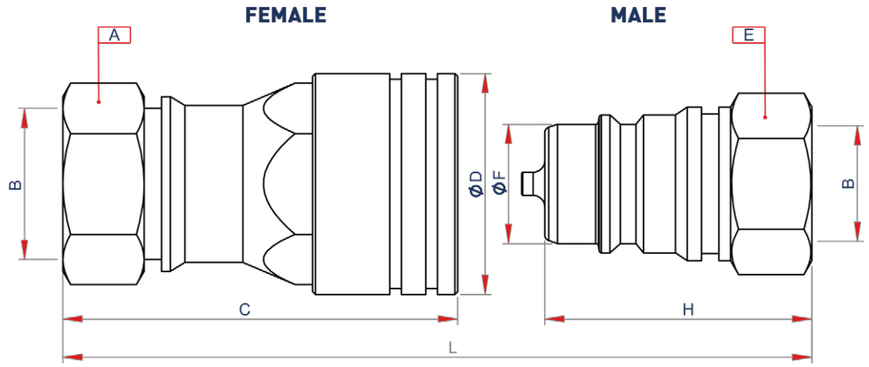


- The poppet valve with elastomer seal provides maximum sealing of the couplings when disconnected.
- Shape of internal parts is designed to reduce turbulence and pressure drop.
- Good corrosion resistance.
- Compact design.
- Simple to use.

HOW TO USE

- Before to connect, clean the mating surface of the couplings to avoid dirt inclusion in the circuit.
- To connect pull back the sleeve of the female coupling, align the female with the male coupling and push one into the other until both halves are fully connected and release the sleeve.
- To disconnect push back the sleeve of the female coupling, pull out the mating half.

MAIN APPLICATIONS



SIZE	Product Code	Product Name	ISO DN	HEX mm	HEX inch		Port B	Diameter mm	Diameter inch		Lenght	Lenght mm	Lenght inch	Weight kg	Weight lbs	Work Pressure MPa	Work Pressure psi
3/8"	QC-S102	Coupled	10				3/8"				L	80.5	3.17	0.26	0.57	33	4786
	QC-S102-A	Female		A	27	1.06		D	35	1.37	C	60.5	2.38	0.20	0.44	33	4786
	QC-S102-B	Male		E	22	0.87		F	18.70	0.73	H	40	1.57	0.06	0.13	33	4786
1/2"	QC-S103	Coupled	12.5				1/2"				L	93	3.66	0.37	0.81	32	4641
	QC-S103-A	Female		A	30	1.18		D	38	1.49	C	68.50	2.69	0.28	0.61	32	4641
	QC-S103-B	Male		E	27	1.06		F	20.50	0.80	H	46	1.81	0.09	0.20	32	4641
3/4"	QC-S104	Coupled	20				3/4"				L	111	4.37	0.68	1.50	28	4061
	QC-S104-A	Female		A	36	1.41		D	48	1.89	C	83	3.26	0.48	1.05	28	4061
	QC-S104-B	Male		E	38	1.49		F	28.95	1.14	H	55	2.16	0.20	0.45	28	4061
1"	QC-S105	Coupled	25				1"				L	131	5.15	1.06	2.33	25	3626
	QC-S105-A	Female		A	46	1.81		D	55	2.16	C	98	3.85	0.76	1.67	25	3626
	QC-S105-B	Male		E	41	1.61		F	34.20	1.34	H	66	2.59	0.30	0.66	25	3626

SIZE	Max.Fullow Suggested l / min	Max.Fullow Suggested GPM	Connect Force N	Connect Force lbf	Disconnect Force N	Disconnect Force lbf	Spillage ml
1/4"	23	6.07	60	13.50	25	5.63	0.70
3/8"	48	12.68	90	20.25	30	6.75	1.20
1/2"	65	17.17	70	15.75	55	12.38	2.10
3/4"	142	37.52	140	31.50	55	12.38	5.20
1"	258	68.16	190	47.75	55	12.38	9.00

Fluid:OIL ISO VG46
Temperature:40 C
Viscosity:41.4-50.6 mm2/s
• Spillage is an indicative value of the fluid loss during disconnection
Test Pressure:5.0 Bar

WARNING

- Never connect or disconnect with dynamic pressure (e.g. pump on).
- Do not use the female coupling disconnected with high impulse pressure.
- Do not couple - uncouple with flow and/or pressure in the circuit.
- Do not couple - uncouple when the tempature inside of the circuit is higher than 80 ºC / 176 ºF
- Check the maximum allowable working pressure of the port in use.
- Make sure that the medium used is compitable with seal and material as indicated for each series.

INDEX