



**Technical Description**

- **Straight Through QRC** also known as **Un- valve QRC** is a double path open type coupling, without a valve mechanism at either the socket or the plug.
- It is used in piping systems in which blocking of the fluid is not necessary when disconnected and closure of lines is achieved by back up valves.
- This permits full flow capability due to their smooth and accurately finished bores.
- This coupling is also available in locking device.

**Materials Available**

AISI 304 | 316 | 304L | 316L | Brass | Carbon Steel

**End Connections**

As per ANSI B16.11, 16.9, B2.1 NPT, BSP. Hose shank, flanged, custom weld-able.

**Industries**



**Applications**

- High pressure applications
- High flow rate applications

**Working Temperature**

- -25°C up to +260°C, depending on the diverse media

**Advantages**

- Coupling with the least drop in pressure
- Maximum Flow rate

**Disadvantages**

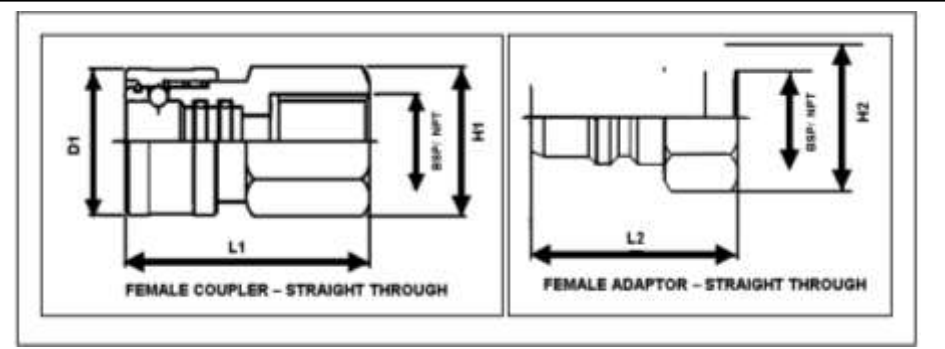
- Fluid leakage on disconnection
- Not preferred to be used in pipeline without a backing valve

**ISO A Dust Plugs and Caps**

Protective dust plugs and caps for quick release couplings are always recommended to protect these couplings from damage or dirt accumulation. These also help increase the product life and are particularly important in applications with direct exposure to atmospheric conditions.

**O RING (SEALS)**

Available in NBR | Natural Rubber | Teflon | Viton | Silicon



PRODUCT CODE	SIZE		WORKING PRESSURE		THREAD	COUPLER (mm)			ADAPTOR (mm)	
	INCHES	MM	PSI	BAR		D1	L1	H1	L2	H2
	1/4	6.0	5075	350	NPT/BSP	29.0	39.0	22.0	37.5	17.0
	3/8	10.0	4568	315	NPT/BSP	29.0	39.0	22.0	37.5	22.0
	1/2	13.0	3915	270	NPT/BSP	34.0	43.3	32.0	43.5	27.0
	3/4	19.0	3625	250	NPT/BSP	38.0	41.0	32.0	42.0	32.0
	1	25.0	2900	200	NPT/BSP	51.0	53.0	41.0	53.5	41.0
	1 1/4	32.0	2320	160	NPT/BSP	62.5	64.0	55.0	60.0	55.0
	1 1/2	38.0	2320	160	NPT/BSP	62.5	64.0	55.0	60.0	55.0
	2	51.0	1450	100	NPT/BSP	78.0	65.5	70.0	67.0	70.0
	2 1/2	65.0	725	50	NPT/BSP	124.5	80.5	114.0	72.0	114.0
	3	76.0	725	50	NPT/BSP	124.5	80.5	114.0	72.0	114.0

All dimensions mentioned are for technical reference only. Dimension subject to change without notice



**Technical Description**

- Single Check Valve Quick Release Coupling is one of the most popular type of coupler which is used to connect air piping in factories and to connect air tools with hoses etc.
- This can be used where one-sided flow system is needed and the flow has to be sealed on disconnection.
- Single shut off coupling is the most ideal solution for connection disconnection of pneumatic lines.

**Materials Available**

AISI 304 | 316 | 304L | 316L | Brass | Carbon Steel

**End Connections**

As per ANSI B16.11, 16.9, B2.1 NPT, BSP. Hose shank, flanged, custom weld-able.

**Industries**



**Applications**

- Medium Pressure / Flow rate
- Pneumatic applications

**Working Temperature**

- -25°C up to +260°C, depending on the medium.

**Advantages**

- Diverse usage since both coupler and adaptor can be used in Hose and Pipe systems
- Single side flow is sealed on disconnection

**Disadvantages**

- Fluid leakage from adaptor end
- Not preferred in applications of zero leakage systems

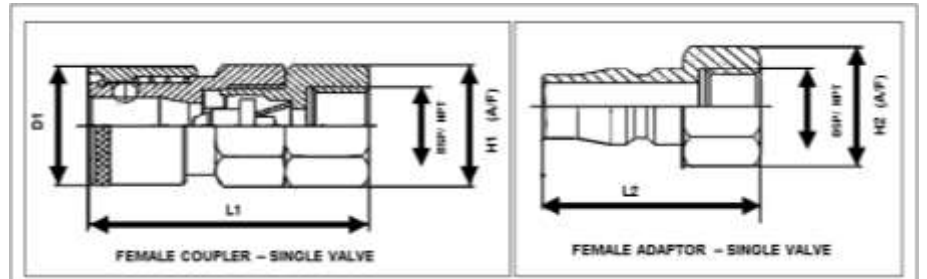
**ISO A Dust Plugs and Caps**

Protective dust plugs and caps for quick release couplings are always recommended to protect these couplings from damage or dirt accumulation. These also help increase the product life and are particularly important in applications with direct exposure to atmospheric conditions.



**O RING (SEALS)**

Available in NBR | Natural Rubber | Teflon | Viton | Silicon



PRODUCT CODE	SIZE		WORKING PRESSURE		THREAD	COUPLER (mm)			ADAPTOR (mm)	
	INCHES	MM	PSI	BAR		D1	L1	H1	L2	H2
	1/4	6.0	5075	350	NPT/BSP	22.0	42.0	19.0	21.0	19.0
	3/8	10.0	4568	315	NPT/BSP	22.0	42.0	19.0	21.0	19.0
	1/2	13.0	3915	270	NPT/BSP	32.0	54.5	28.0	29.0	28.0
	3/4	19.0	3625	250	NPT/BSP	38.0	60.0	32.0	33.0	32.0
	1	25.0	2900	200	NPT/BSP	45.0	61.0	38.0	37.0	38.0
	1 1/4	32.0	2320	160	NPT/BSP	48.0	66.0	46.0	35.0	46.0
	1 1/2	38.0	2320	160	NPT/BSP	60.0	76.0	55.0	48.0	55.0

All dimensions mentioned are for technical reference only. Dimension subject to change without notice



**Technical Description**

- Double Check Valve Quick Release Coupling have fast acting poppet valves in both coupler and plug to effectively prevent fluid loss during connection and disconnection.
- This series has wide applications in hydraulic lines, vacuum systems, steam, gas and liquid installations.
- Poppet style having with captive poppet seal provides a Guaranteed leak free seal.

**Materials Available**

AISI 304 | 316 | 304L | 316L | Brass | Carbon Steel

**End Connections**

As per ANSI B16.11, 16.9, B2.1 NPT, BSP. Hose shank, flanged, custom weld-able.

**Industries**



**Applications**

- High Pressure / Flow rate
- Pneumatic applications

**Working Temperature**

- -25°C up to +260°C, depending on the medium.

**Advantages**

- Primarily used for transfer of Hydraulic fluid.
- It can also be used with water, Sea water, Chemicals, Steam.
- In Stationery and mobile industrial applications.

**Disadvantages**

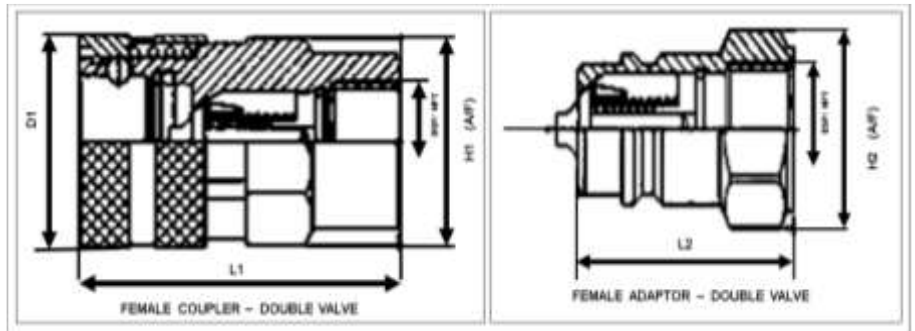
- Reduced flow rate.

**ISO A Dust Plugs and Caps**

Protective dust plugs and caps for quick release couplings are always recommended to protect these couplings from damage or dirt accumulation. These also help increase the product life and are particularly important in applications with direct exposure to atmospheric conditions.

**O RING (SEALS)**

Available in NBR | Natural Rubber | Teflon | Viton | Silicon



PRODUCT CODE	SIZE		WORKING PRESSURE		THREAD	COUPLER (mm)			ADAPTOR (mm)	
	INCHES	MM	PSI	BAR		D1	L1	H1	L2	H2
	1/4	6.0	5000	345	NPT/BSP	27.4	46.0	22.4	33.3	22.4
	3/8	10.0	4000	276	NPT/BSP	31.2	54.6	25.4	37.3	25.4
	1/2	13.0	4000	276	NPT/BSP	38.1	66.3	30.2	51.3	30.2
	3/4	19.0	4000	276	NPT/BSP	38.1	82.6	38.1	64.8	38.1
	1	25.0	4000	276	NPT/BSP	46.0	97.0	42.9	78.7	42.9

**NOTE: Double check valve QRC can also be manufactured as per ISO 7241- 1 B standard. Dimensions available on request.**