

QUICK RELEASE COUPLINGS

Airmatic

MODEL:- QR1 - SINGLE CHECK TYPE

SERVICE:- AIR AND INERT GASES

Application

These Quick Release Couplings are specifically designed to fulfill the need for a simple, positive coupler which is completely reliable and adaptable to a wide range of applications.

Operations

This works on simple push & pull principle. The adaptor when pushed into the coupler Automatically locks in, resulting in a positive and leak proof connection. This action simultaneously opens the valve and the fluid flow starts. To disconnect pull back the sleeve of the coupler, the adaptor ejects out and the valve shuts off automatically.

Technical Data

Material Specification

Body	Carbon Steel Chrome Plated Standard Optional Brass / St.Steel 304, 316 & 316L
Spring	St. Steel 304, Standard Optional SS 316
Ball	Steel Standard Optional St.Steel 304 / St.Steel 316
Seals Material	Nitrile Standard, Optional Silicon, Viton

Ordering Reference

Standard models having male coupler and adaptor hose for compressed air application & female coupler and female adaptor for fluid application. For selecting other style of coupling please see model ordering code instructions.

MODELS	SIZES	CONN. STYLE B.S.P.	MATERIAL	SEALING	CONN. COUPLER	CONN. ADAPTOR
QR1-01	G1/8	B	C	N	M	H
QR1-02	G1/4	B	C	N	M	H
QR1-03	G3/8	B	C	N	M	H
QR1-04	G1/2	B	C	N	M	H
QR1-06	G3/4	B	C	N	M	H
QR1-08	G1	B	C	N	M	H

CONNECTIONS AVAILABLE UP TO G2 ON REQUEST.

Applications

- For Fertilizers
- Chemicals
- Petrochemicals
- Textile Machines
- Machine Tools
- Pneumatics
- Refineries



Pressures - Temperature

Pressure Range	0-500 PSIG	
Temp. Range	0-80°C (Standard) Nitrile	Suffix - N
	0-140°C Silicon	Suffix - S
	0-140°C (Chemical) Viton	Suffix - V

Model Ordering Code Instruction

QR - 1 - 02 - - P - C - N - M - H

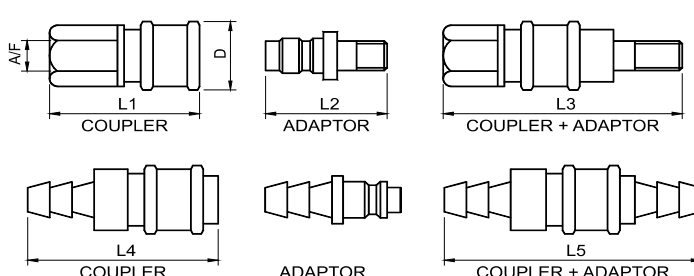
Quick Release Coupling Sizes: 01-G1/8, 02-G1/4, 03-G3/8, 04-G1/2, 06-G3/4, 08-G1, 12-G1.1/2, 16-G2 Conn. Blank - BSP, N - NPT Max. Pressure: P - 10Kg/cm2, P1 - 35Kg/cm2, P2 - 70Kg/cm2, P3 - 135Kg/cm2, P4 - 200Kg/cm2, P5 - 400Kg/cm2 Mat. Of Const. C - Carbon Steel, B - Brass, S - St. Steel 304, SS - ST.Steel 316 Seals: N - Nitrile, V - Viton, S - Silicon Adaptor Type: H - Hose, F - F male, M - Male Coupler Type: M - Male, F - Female

Order Code : QR - 1 - 02 - P - C - N - M - H

Dimensions

Sizes	Models	DIMENSIONS-mm						
		A	D	L4	L5	L1	L2	L3
		A/F	D	Hose Coupler	Hose Coupler	Male or Female Coupler	Male or Female Adaptor	Male or Female Coupler
G 1/8	QR1-01	16	19	53	80	41	27	54
G 1/4	QR1-02	21	24	78	104	53	33	70
G3/8	QR1-03	22	24	77	112	55	35	73
G 1/2	QR1-04	28	34	93	142	68	44	89
G3/4	QR1-06	35	40	115.2	177.8	83	46	107
G 1	QR1-08	50	42	114.5	173.2	84	50	111

Dimensions are in mm



Shah Pneumatics

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QUICK RELEASE COUPLING QRT CAT.