www.koolance.com

Specifications Sheet

Generated: 2026-09-11

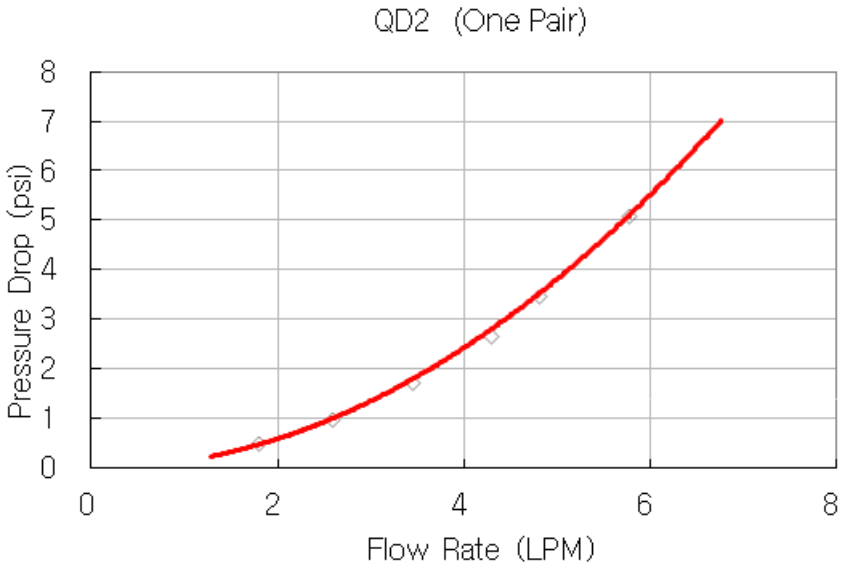
P/N: QD2-MSN14

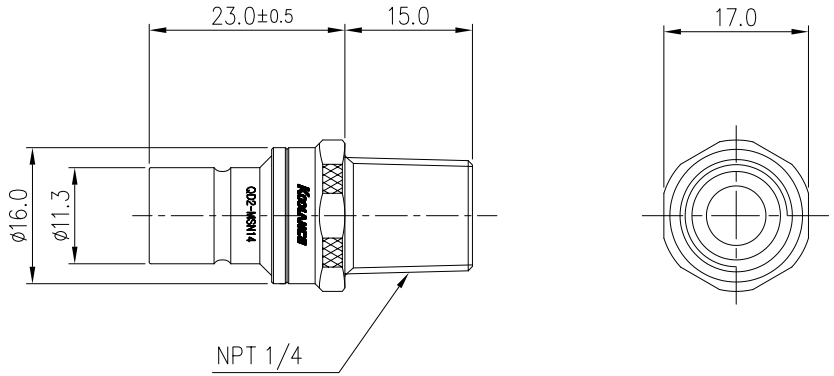
QD2 Male Quick Disconnect No-Spill Coupling, Male Threaded, 1/4 NPT

Koolance patented quick disconnect no-spill coupling with automatic shutoff. 1/4 NPT (tapered) male fitting for screwing directly into a component of the same threading. It will only fit a Koolance QD2 female quick disconnect.

After pulling the ring on the female QDC side, the quick-disconnect fittings will separate. Liquid on both sides will be automatically obstructed with approximately 0.2ml freed. Coolant volume lost upon disconnection will rise with internal pressure higher than 0.5kgf/cm2 (7psi).

General	
Weight	0.08 lb (0.04 kg)
Fitting Thread	NPT 1/4
Max No-Spill Pressure	0.5kgf/cm2 (7psi)
Max Pressure Tolerance @ 25°C	8kgf/cm2 (113.8psi) connected, 8kgf/cm2 (113.8psi) disconnected
Max Temperature Tolerance	80°C (176°F)
Min Pressure Tolerance @ 25°C	-1.0kgf/cm2 (-14psi)
Min Storage Temperature (*No Freezing)	-20ºC (-4ºF)
Seal Material	EPDM (Water/Glycol Liquids)
Wetted Materials	Nickel-Plated Brass, Stainless Steel, EPDM


QD2 (One Pair)
Pressure Drop (psi)
0
1
2
3
4
5
6
7
8
0
2
4
6
8
Flow Rate (LPM)



REV	DATE	CONTENTS	REVD BY	CHKD BY	APPD BY

REVISION

NO.	DISCRIPTION	MATER'L	QUANTITY	REMARKS

KOOLANCE INC.

	BY	BY	BY	APPRO BY
DATE				
	SONG			

DECIMAL PLACES	INCHES	MILLIMETRES
.XXX	±.005	±0.1
.XX	±.010	±0.3
.X	±.020	±0.5
ANGULAR DIMENSIONS		
XX°	±0.5°	
XX.X°	±0.1°	
SURFACE ROUGHNESS	SURFACE	SURFACE
	.63	1.6

UNIT	MM	ITEM	QD2 SHORT
SCALE	N/S	TITLE	QD2-MSN14
3RD ANGLE			
CODE NO.		DWG. NO.	PAGE