

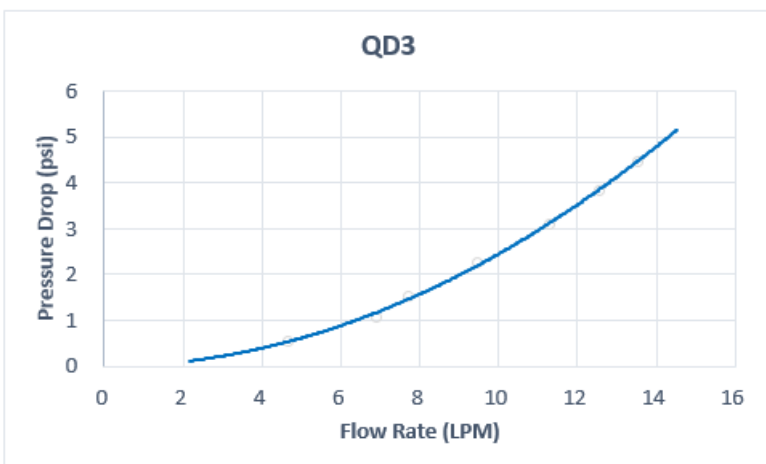
**QD3 Male Quick Disconnect No-Spill Coupling,  
Compression for 13mm x 19mm (1/2in x 3/4in)  
\*Black\***

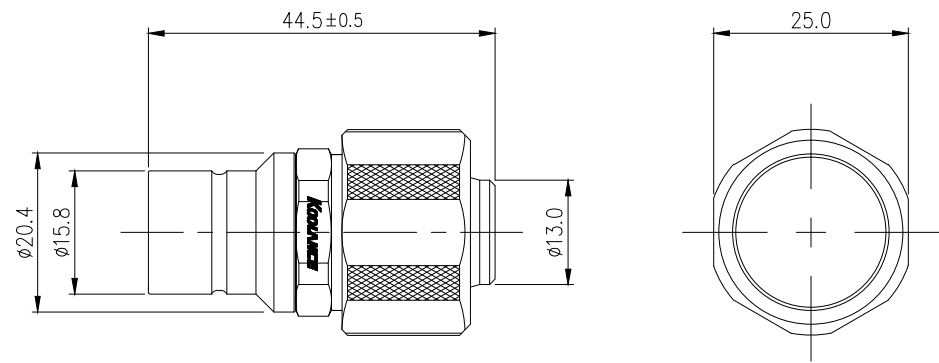


Koolance patented quick disconnect no-spill coupling with automatic shutoff. 13mm (1/2in) ID, 19mm (3/4in) OD male straight connection with compression fitting. It will only fit a Koolance QD3 female quick disconnect.

After pulling the ring on the female QDC side, the quick-disconnect no-spill 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/cm<sup>2</sup> (7psi).

| General                                |                                  |
|--|----------------------------------|
| Weight                                 | 0.16 lb (0.07 kg)                |
| Max No-Spill Pressure                  | 0.5kgf/cm <sup>2</sup> (7psi)    |
| Max Pressure Tolerance @ 25°C          | 8kgf/cm <sup>2</sup> (113.8psi)  |
| Max Temperature Tolerance              | 80°C (176°F)                     |
| Min Pressure Tolerance @ 25°C          | -1.0kgf/cm <sup>2</sup> (-14psi) |
| Min Storage Temperature (*No Freezing) | -20°C (-4°C)                     |
| Seal Material                          | EPDM (Water/Glycol Liquids)      |
| Wetted Materials                       | Brass, Stainless Steel, EPDM     |





|          |      |          |         |         |         |
|----------|------|----------|---------|---------|---------|
| REV      | DATE | CONTENTS | REVD BY | CHKD BY | APPD BY |
|          |      |          |         |         |         |
| REVISION |      |          |         |         |         |

| NO.             | DISCRIPTION |    |    |          | MATER'L            | QUANTITY                | REMARKS        |
|-----------------|-------------|----|----|----------|--------------------|-------------------------|----------------|
| <b>KOOLANCE</b> |             |    |    |          | DECIMAL PLACES     | INCHES                  | MILLIMETRES    |
|                 |             |    |    |          | .XXX               | ±.005                   | ±0.1           |
|                 |             |    |    |          | .XX                | ±.010                   | ±0.3           |
|                 |             |    |    |          | .X                 | ±.020                   | ±0.5           |
| DATE            | BY          | BY | BY | APPRO BY | SCALE              | N/S                     | TITLE          |
|                 |             |    |    |          |                    |                         | QD3-MS13X19    |
|                 | SONG        |    |    |          |                    |                         | QD3-MS13X19-BK |
|                 |             |    |    |          | ANGULAR DIMENSIONS |                         | 3RD ANGLE      |
|                 |             |    |    |          | XX'                | ±0.5'                   | CODE NO.       |
|                 |             |    |    |          | XX.X'              | ±0.1'                   | DWG. NO.       |
|                 |             |    |    |          | SURFACE ROUGHNESS  | SURFACE SURFACE SURFACE | PAGE           |
|                 |             |    |    |          |                    | .63 1.6                 |                |