

# Diagnostic connector, Model : MMC-VK



the right connection  
the right environment

Ref. No : H11212, Release March 2018 (Dimensions in mm)

## Description

**Diagnostic connectors**, hoses, are intended to provide facility to access system pressure for the purpose of pressure measurement.

For transmitting pressure through these couplings to the measuring devices, no special tools are needed. These couplings can be connected by hand even at rated pressure.

These couplings are equipped with protective caps to avoid ingress of foreign particles, when the couplings are not in use. This is also a Safety device against vibration.

These connectors are equipped with swivel nut and O-Ring, which can be directly connected to any fitting with tube end (DIN 2353)

These couplings also can be used for purging air from the system.  
Working Pressure 630 bar (9000 PSI) according to ISO 15171-2

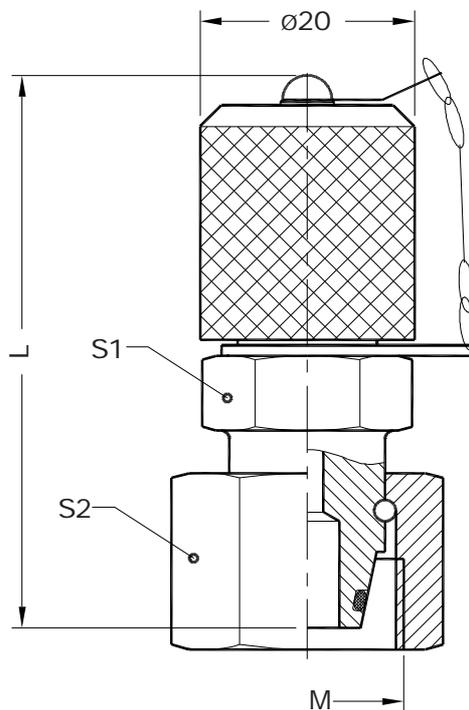


## Unit Dimensions

For **M16 x 2.0 (1620)**, **M16 x 1.5 (1615)**



Hydraulic Symbol



| Tube od | Pr. (bar) | M         | L         | S1   | S2 |
|---------|-----------|-----------|-----------|------|----|
| 6       | 315 bar   | M12 x 1.5 | 52.0      | 17   | 14 |
| 8       |           | M14 x 1.5 | 52.0      | 17   | 17 |
| 10      |           | M16 x 1.5 | 52.0      | 17   | 19 |
| 12      |           | M18 x 1.5 | 52.0      | 17   | 22 |
| 15      |           | M22 x 1.5 | 52.0      | 19   | 27 |
| 18      | 160 bar   | M26 x 1.5 | 52.0      | 22   | 32 |
| 22      |           | M30 x 2.0 | 60.0      | 27   | 36 |
| 6       | 630 bar   | M14 x 1.5 | 52.0      | 17   | 17 |
| 8       |           | M16 x 1.5 | 52.0      | 17   | 19 |
| 10      |           | M18 x 1.5 | 52.0      | 17   | 22 |
| 12      |           | M20 x 1.5 | 52.0      | 17   | 24 |
| 16      |           | 400 bar   | M24 x 1.5 | 52.0 | 22 |
| 20      | M30 x 2.0 |           | 63.0      | 27   | 36 |

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## Technical Specifications

Construction . . . . . Spring loaded poppet type, opens on assembly by hose.

Materials Body . . . . . Carbon steel. stainless steel on request.

Cap . . . . . Carbon steel or Plastic.

Hydraulic medium . . . . . Mineral oil.

Sealings . . . . . Nitrile (standard) and Viton on request.

Temperature range

With metal cap (Standard) . . . . . Sealing by Nitrile : -30 °C to +120 °C  
 Viton : -20 °C to +200 °C

with Plastic cap (Optional) . . . . . Sealing by Nitrile : -30 °C to +100 °C  
 Viton : -20 °C to +100 °C

## Ordering Code

**MMC 1620 VK 06L P V 20**



| Micro bore flex hose thread size |      |
|----------------------------------|------|
| M16 x 2.0                        | 1620 |
| M16 x 1.5                        | 1615 |
| Special threads 12 x 1.5         | 1215 |

|                      |    |
|----------------------|----|
| Diagnostic Connector | VK |
|----------------------|----|

| Tube end          | Size |
|-------------------|------|
| 6 OD (LP Series)  | 06L  |
| 8 OD (LP Series)  | 08L  |
| 10 OD (LP Series) | 10L  |
| 12 OD (LP Series) | 12L  |
| 15 OD (LP Series) | 15L  |
| 18 OD (LP Series) | 18L  |
| 22 OD (LP Series) | 22L  |
| 06 OD (HP Series) | 06S  |
| 08 OD (HP Series) | 08S  |
| 10 OD (HP Series) | 10S  |
| 12 OD (HP Series) | 12S  |
| 16 OD (HP Series) | 16S  |
| 20 OD (HP Series) | 20S  |

Design Series  
Subject to revision

| Seal Material |         |
|---------------|---------|
| Omit          | Nitrile |
| V             | Viton   |

| Protective Cap |             |
|----------------|-------------|
| Omit           | Metal Cap   |
| P              | Plastic Cap |

Note : Add prefix 316 to the existing part code for SS 316 Diagnostic connectors.  
 e.g. **316-MMC1620VK06L-20**