FLUIDCO
HYDRAULIC SYSTEMS
*Make it Happen!*

Microbore Flexible or Mini Mesch Test Hose

M16x2 to M16x2 Test Hose

Lengths available in mm: 200, 300, 400, 600, 800, 1000, 1500, 2000, 3000, 4000 & 5000

# 1620 Series

## Test Points & Micro Bore Flex Hoses

### Description

HYDAC series 1620, guided piston design, Test Points are compact, self sealing couplings that provide access to hydraulic and pneumatic systems for pressure measurement to 9000 psi. Mating adapters or hose connections can be connected without loss of fluid while the system is operating. Test Points can also be used to take oil samples or to bleed air from hydraulic systems. They are available in 1620 (M16x2.0) connection threads with a variety of screw-in port configurations.

### Features

- Can be coupled and uncoupled under pressure without system shutdown or fluid loss
- Patented guided piston design for leak free performance at operating pressure to 9000 psi
- HYDAC guided piston design provides the following advantages over ball seal design:
  - Higher working Pressure
  - Better sealing characteristics particularly under high vibration
  - Less susceptible to fluid contamination
  - Can be used for gas as well as fluid
- Low temperature options available

### Applications

- Pressure measurement with gauges or sensors
- Fluid sampling
- Air bleeding

### Technical Data

**Maximum Working Pressure**

- 9000 psi (630 bar)
  *(see pressure utilization factor to adjust for operating temperature)*

**Fluid Compatibility**

- Suitable for petroleum-based fluids and gaseous media

**Materials**

- Zinc plated steel body *(standard)*
- Zinc plated metal cap *(standard)*

**Seals**

- Buna-N *(standard)*
- Fluoroelastomer *(standard)*

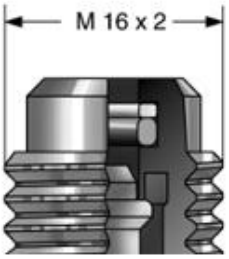
**Temperature Range**

- With metal cap and Buna-N seals: -13° to 212°F (-25° to 100°C)

**Options**

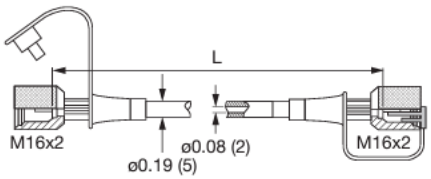
- Anti-vibration seal for metal cap

### Series 1620 Test Point




40 Industry Road, Paarden Eiland, Cape Town, Western Cape Tell: 021 511 0590

## Micro Bore Flexible Hoses




| L (inches) | L (mm) | Part No. |
|---|---|---|
| 8 | 200 | 06003723 |
| 12 | 300 | 06003724 |
| 16 | 400 | 00632633 |
| 20 | 500 | 06003725 |
| 25 | 630 | 06003726 |
| 31 | 800 | 00682857 |
| 39 | 1000 | 00632634 |
| 49 | 1250 | 06003727 |
| 59 | 1500 | 00682858 |
| 79 | 2000 | 00682859 |
| 98 | 2500 | 00682860 |
| 126 | 3200 | 06003728 |
| 157 | 4000 | 06003729 |
| 197 | 5000 | 06003730 |
| 236 | 6000 | 02701721 |
| 394 | 10,000 | 02701722 |

## Pressure Utilization Factor for Hoses

| Operating Temp. | Factor | Max. Pressure |
|---|---|---|
| 122°F (50°C) | 100% | 9000 psi |
| 176°F (80°C) | 86% | 7740 psi |
| 212°F (100°C) | 77% | 6930 psi |

## Specifications

- Maximum working pressure 9000 psi (630 bar) at 122°F (50°C)
  *(see pressure utilization factor to adjust for higher temperatures)*
- Suitable for petroleum-based fluids
- Temperature range -4° to 122°F (-20° to 50°C) at max. pressure
- Polyamid core with polyester braid reinforcement and polyamid jacket
- Plastic dust cap
- 1620 female connection at both ends
- Bending radius: min. 20mm
- Hose ID ø 2mm
- Custom Hose Assemblies Available:
  NPT Male Thread, NPT Female Thread, JIC Male Hose, JIC Female swivel hose ends



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