FLUIDCO
HYDRAULIC SYSTEMS
www.fluidco.co.za *Make it Happen!*

Additional Date/Spec Sheet

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)*

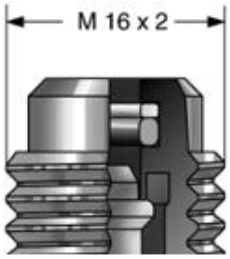
Temperature Range

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

Options

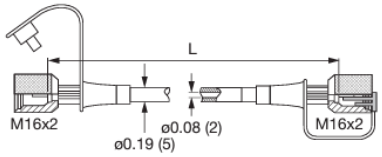
- Anti-vibration seal for metal cap

Series 1620 Test Point



40 Industry Road, Paarden Eiland, Cape Town 7420 Tel: 021 511 0590 Email:service1@fluidco.co.za

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

High Pressure (9100 psi) DN2 Micro Hose Assembly

Thread Type	Hose Length	Part #	Stk	Price/ Ea.
M16x2	8"	NTHFF-M16-M16-08	C	$ 29.83
M16x2	12	NTHFF-M16-M16-12	C	30.47
M16x2	16	NTHFF-M16-M16-16	P	31.14
M16x2	24	NTHFF-M16-M16-24	A	32.42
M16x2	36	NTHFF-M16-M16-36	B	34.38
M16x2	40	NTHFF-M16-M16-40	C	34.41
M16x2	48	NTHFF-M16-M16-48	C	35.71
M16x2	60	NTHFF-M16-M16-60	A	38.54
M16x2	78	NTHFF-M16-M16-78	C	40.47
M16x2	98	NTHFF-M16-M16-98	C	43.70
M16x2	130	NTHFF-M16-M16-130	B	48.38
M16x2	144	NTHFF-M16-M16-144	C	50.58
M16x2	158	NTHFF-M16-M16-158	C	52.82
M16x2	197	NTHFF-M16-M16-197	C	58.47
M16x2	236	NTHFF-M16-M16-236	B	64.62

**Custom lengths available upon request.*