**Test Hose**

Description and application



Test pressure hose is applied in micro hydraulic system and testing pressure in hydraulic system.It's specification includesjight weight.wear resistance,strong in pact res istamce, good flexibility.friendly use.and so on.

Fluid service： mineral oil, water-glycol, alcohol, gasoline, water-oil emulsions, gas, etc。



(Technical information )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DN2-400 | DN2-630 | DN3-630 | DN4-500 |
|  inside diameter | mm | 2 | 2 | 3 | 4 |
|  outer diameter | mm | 5 | 5 | 6 | 8 |
| Max. quiescent pressure | Bar | 400 | 630 | 630 | 500 |
| Min. burst pressure | Bar | 1200 | 1890 | 1890 | 1500 |
| Min. bending radius | mm | 20 | 20 | 25 | 35 |
| weight | g | 20 | 20 | 27 | 47 |
|  temperature range | °C | ■40 〜+100 | -40 〜+100 | -40 〜+100 | ■40 〜+100 |
| core material |  | PA |
|  reinforcement material |  | Fiber or Kevlar |
| cover material |  | PA or PU |

How to order



HF 1 -2-3-P\*-5

HF Abbreviation of micro high pressure flexiable hose assembly

1 Fitting model of one end

2 Fitting model of the other end

3 Hose type (2 = DN2, 3=DN3, 4=DN4)

P\* Pressure class (P40=400bar, P60=630bar)

5 Hose length:mm

1 For example: One end with quick fitting of connecting thread is M16X 2. The other is connected to the pressure gauge pressure gauge,and the connecting thread is MUX 1.5. The hose type is DN3, the pressure class is 600BAR(60MPa), the hose length is 1500mm,then the model of this is: HFH0200-P0100-3-P60-1500o

2 When you want to order the hose assembly with pressure gauge, you should clearly describe pressure gauge in order.such as the pressure range.gauge diameter or other special requirement

Hose End

Fittings type

**Test coupling threaded female fitting: H series**

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M12X1.25 |  | H0100 |
| M16X2.0 |  | H0200 |
| M14X1.5 |  | H0300 |
| M16X1.5 |  | H0400 |

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M12X1.25 |  | H0190 |
| M16X2.0 |  | H0290 |
| M14X1.5 |  | H0390 |
| M16X1.5 |  | H0490 |

**Test coupling threaded female fitting with hexagonal nut : H series**

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M12X1.25 | 19 | H0100-1 |
| M16X2.0 | 19 | H0200-1 |
| M14X1.5 | 19 | H0300-1 |
| M16X1.5 | 19 | H0400-1 |

L

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M12X1.25 | 19 | H0190-1 |
| M16X2.0 | 19 | H0290-1 |
| M14X1.5 | 19 | H0390-1 |
| M16X1.5 | 19 | H0490-1 |



**Gauges threaded fitting : P series**

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M14X1.5 | 17 | P0100 |
| M20X1.5 | 24 | P0200 |
| G1/4〃 | 17 | P0300 |
| G1/2” | 27 | P0400 |

**Gauges threaded fitting : A series**

**Gauges threaded fitting :**

**W series**

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M14X1.5 | 17 | P0190 |
| M20X1.5 | 24 | P0290 |
| G1/4〃 | 17 | P0390 |
| G1/2〃 | 27 | P0490 |

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M14X1.5 | 17 | A01 |
| M20X1.5 | 24 | A02 |
| G1/4” | 17 | A03 |
| G1/2” | 27 | A04 |

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| 1/4w -18NPTF | 19 | W01 |
| 1/2" -14NPTF | 24 | W02 |



Hose End

**Swivel female fitting 60° cone connection : D series**

|  |  |  |
| --- | --- | --- |
| G | **Ch** | Code |
| G1/8” | 12 | D01 |
| G1/4” | 17 | D02 |

**Swivel female fitting 24° cone connection: Q series**

|  |  |  |  |
| --- | --- | --- | --- |
| G | d | Ch | Code |
| M08X1.0 | 4 | 10 | Q0100 |
| M10X1.0 | 6 | 12 | Q0200 |
| M12X1.5 | 6 | 14 | Q0300 |
| M14X1.5 | 6 | 17 | Q0400 |
| M14X1.5 | 8 | 17 | Q0500 |
| M16X1.5 | 8 | 19 | Q0600 |
| M16X1.5 | 10 | 19 | Q0700 |
| M18X1.5 | 10 | 22 | Q0800 |
| M18X1.5 | 12 | 22 | Q0900 |
| M20X1.5 | 12 | 24 | Q1000 |

|  |  |  |  |
| --- | --- | --- | --- |
| G | d | Ch | Code |
| M08X1.0 | 4 | 10 | Q0190 |
| M10X1.0 | 6 | 12 | Q0290 |
| M12X1.5 | 6 | 14 | Q0390 |
| M14X1.5 | 6 | 17 | Q0490 |
| M14X1.5 | 8 | 17 | Q0590 |
| M16X1.5 | 8 | 19 | Q0690 |
| M16X1.5 | 10 | 19 | Q0790 |
| M18X1.5 | 10 | 22 | Q0890 |
| M18X1.5 | 12 | 22 | Q0990 |
| M20X1.5 | 12 | 24 | Q1090 |

Plug-in connection： T series

|  |  |  |
| --- | --- | --- |
| d | L | Code |
| 3.3 | 27 | T01 |



**Swivel female fitting JIC 74° connection: C series**

**Standpipe fitting: B series**

I

Banjo fitting and banjo screw： J series

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| 7/16-20UNF | 14 | C01 |
| 1/2-20UNF | 17 | C02 |
| 3/8-24UNF | 12 | C03 |
| 9/16-18UNF | 19 | C04 |

|  |  |  |
| --- | --- | --- |
| d | L | Code |
| 4.0 | 36 | B0100 |
| 6.0 | 36 | B0200 |
| 8.0 | 37.5 | B0300 |

|  |  |  |  |
| --- | --- | --- | --- |
| d | L | H | Code |
| 4.0 | 33 | 25.5 | B0190 |
| 6.0 | 33 | 28.0 | B0290 |
| 8.0 | 41 | 37.0 | B0390 |

|  |  |
| --- | --- |
| G | Code |
| M08X1.00 | J01 |
| M10X1.00 | J02 |
| M14X1.50 | J03 |
| G1/4〃 | J04 |



**Standpipe fitting:B series**



**Male fittings： E series**

 **Male fittings： Z series**

 **Ferrule**

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| M8X1 | 12 | E01 |
| M10X1 | 14 | E02 |
| M12X1.5 | 14 | E03 |
| M14X1.5 | 17 | E04 |
| M16X1.5 | 19 | E05 |
| G1/8〃 | 14 | E06 |
| G1/4” | 17 | E07 |
| 7/16-20UNF | 12 | E08 |

|  |  |  |
| --- | --- | --- |
| G | Ch | Code |
| R1/8" -28 | 12 | Z01 |
| R1/4W -19 | 17 | Z02 |
| 1/8〃 -27NPT | 12 | Z03 |
| 1/4w -18NPT | 17 | Z04 |

|  |  |  |  |
| --- | --- | --- | --- |
| DA | DI | L | Code |
| 8.0 | 5.5 | 15.0 | F02 |
| 9.0 | 6.5 | 15.0 | F03 |

Sample of test hose assembly





Test Coupling

PT series test couplings for pressure checking

|  |  |
| --- | --- |
|  | Applications: |
|  | -Pressure control |
|  | -Lubrification |
|  | -Airbleeding |
|  | -Oil sampling |
|  | Materials: |
|  | -Galvanised carbon steel |
|  | -(Stainless steel AISI 316 is available on request) |
|  | Sealing: |
|  | -NITRILBUNAN (NBR) |
|  | -FKM-VITON (on request) |
|  | -Working temperature: |
|  | -30°C...+125°C(NITRILE BUNAN) |
|  | -25°C...+230°C(FKM) |
|  | Fluids: |
|  | -Hydraulic oils |
|  | -Mineral oils |
|  | -Suitability with otherfluids on request |



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| G | ΦD | t1 | t2 |  | G | ΦD | a | t1 | t2 |  | G | ΦD | a | t1 | t2 |  | G | t1 | t2 |  | G | ΦD1 | ΦD | a | t1 | t2 |
| M08x1 | 9.5 | 11 | 15.5 | M08x1 | 13 | 1 | 8 | 10 | M10x1 | 15 | 1 | 8 | 10 | 1/8 NPT | 6.9 | 11.6 | **5/16-24 UNF** | 17 | 9.1 | 1.9 | 10 | 12 |
| M10x1 | 11.5 | 12 | 16.5 | M10x1 | 15 | 1 | 8 | 10 | M 10x1.25 | 18 | 1.5 | 10 | 15 | 1/4 NPT | 10 | 16.4 | **7/16-20 UNF** | 21 | 12.4 | 2.4 | 11.5 | 14 |
| M 10x1.25 | 11 | 12 | 16.5 | M 12x1.5 | 18 | 1.5 | 12 | 15 | M 12x1.5 | 18 | 1.5 | 12 | 15 | 3/8 NPT | 10.3 | 17.6 | **9/16-18 UNF** | 25 | 15.7 | 2.5 | 12.7 | 15.5 |
| M 14x1.5 | 15.8 | 12 | 18 | M 14x1.5 | 20 | 1.5 | 12 | 15 | M 14x1.5 | 20 | 1.5 | 12 | 15 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | M 16x1.5 | 23 | 1.5 | 12 | 15 | M 16x1.5 | 23 | 1.5 | 12 | 15 | R1/8 | 5.5 | 9.5 |  |  |  |  |  |  |
|  |  |  |  | M 18x1.5 | 25 | 2 | 12 | 15 | M 18x1.5 | 25 | 2 | 12 | 15 | R1/4 | 8.5 | 13.5 |  |  |  |  |  |  |
|  |  |  |  | M 20x1.5 | 27 | 2 | 14 | 17 | M 20x1.5 | 27 | 2 | 14 | 17 | R3/8 | 12 | 20 |  |  |  |  |  |  |
|  |  |  |  | M 22x1.5 | 28 | 2.5 | 14 | 17 | M 22x1.5 | 28 | 2.5 | 14 | 17 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | M 26x1.5 | 32 | 2.5 | 16 | 19 | M 26x1.5 | 32 | 2.5 | 16 | 19 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | M27x2 | 33 | 2.5 | 16 | 20 | M27x2 | 33 | 2.5 | 16 | 20 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | M33x2 | 40 | 2.5 | 18 | 22 | M33x2 | 40 | 2.5 | 18 | 22 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | M42x2 | 50 | 2.5 | 20 | 24 | M42x2 | 50 | 2.5 | 20 | 24 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | M48x2 | 56 | 2.5 | 22 | 26 | M48x2 | 56 | 2.5 | 22 | 26 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G 1/8 | 15 | 1 | 8 | 10.5 | G1/8 | 15 | 1 | 8 | 10.5 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G1/4 | 20 | 1.5 | 12 | 15.5 | G 1/4 | 20 | 1.5 | 12 | 15.5 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G3/8 | 23 | 2 | 12 | 15.5 | G3/8 | 23 | 2 | 12 | 15.5 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G1/2 | 28 | 2.5 | 14 | 18.5 | G1/2 | 28 | 2.5 | 14 | 18.5 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G3/4 | 33 | 2.5 | 16 | 20 | G3/4 | 33 | 2.5 | 16 | 20 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G1 | 40 | 2.5 | 18 | 23 | G1 | 40 | 2.5 | 18 | 23 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G11/4 | 50 | 2.5 | 20 | 25 | G11/4 | 50 | 2.5 | 20 | 25 |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G 1 1/2 | 56 | 2.5 | 22 | 27 | G 11/2 | 56 | 2.5 | 22 | 27 |  |  |  |  |  |  |  |  |  |

**Test Coupling**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | **G** | **M2** | **Ch** | **L** | **H** | **Choice sealing type** |
| **PT-01** | **M08X1.00** | **M16X2** | **17** | **8.0** | **37.0** | **A**、**B**、**C** |
| **PT-02** | **M10X1.00** | **M16X2** | **17** | **8.0** | **37.0** | **A**、**B**、**C** |
| **PT-03** | **M12X1.50** | **M16X2** | **17** | **10.0** | **37.0** | **A**、**B**、**C** |
| **PT-04** | **MMX 1.50** | **M16X2** | **19** | **12.0** | **37.0** | **A**、**B**、**C** |
| **PT-05** | **M16X1.50** | **M16X2** | **22** | **12.0** | **37.0** | **A**、**B**、**C** |
| **PT-06** | **G1/8”** | **M16X2** | **17** | **10.0** | **37.0** | **A**、**B**、**C** |
| **PT-07** | **G1/4Z,** | **M16X2** | **19** | **12.0** | **37.0** | **A**、**B**、**C** |
| **PT-08** | ***G3J8”*** | **M16X2** | **22** | **14.0** | **37.0** | ***A、*B**、**C** |
| **PT-09** | **G1/2W** | **M16X2** | **27** | **15.0** | **37.0** | **A**、**B**、**C** |
| **PT-10** | ***7716"* -20UNF** | **M16X2** | **17** | **10.0** | **37.0** | **E** |
| **PT-11** | **1/2w -20UNF** | **M16X2** | **17** | **10.0** | **37.0** | **E** |
| **PT-12** | **9/16W -18UNF** | **M16X2** | **19** | **10.0** | **37.0** | **E** |

If you need test coupling with exhaust,the code will be PPT-W,such as PPT-01.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | ***G*** | **M2** | **Ch** | **L** | **H** | **Choice sealing type** |
| **PT-15** | **R1/8”** | **M16X2** | **17** | **10.0** | **37.0** | **D** |
| **PT-16** | **R1/4”** | **M16X2** | **19** | **12.0** | **37.0** | **D** |
| **PT-17** | **R3/8“** | **M16X2** | **22** | **14.0** | **37.0** | **D** |
| **PT-18** | **1/8" -27NPTF** | **M16X2** | **17** | **10.0** | **37.0** | **D** |
| **PT-19** | **1/4" -18NPTF** | **M16X2** | **19** | **14.0** | **37.0** | **D** |
| **PT-20** | ***318"* -18NPTF** | **M16X2** | **22** | **16.0** | **37.0** | **D** |



**Test Coupling**



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | **G** | **M2** | **Ch** | *L* | **H** | **Choice sealing type** |
| **PT-13** | **M10X1** | **M12X1.25** | *17* | **8.0** | **37.0** | **A**、**B**、**C** |



M2



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | ***G*** | 0D | **M2** | **Ch.1** | H |  **Choice sealing type** |
| **PTQ-01** | **M12X1.50** | **06L** | **M16X2** | **14** | **54.0** |  |
| **PTQ-02** | **M14X1.50** | **06S** | **M16X2** | **17** | **54.0** |  |
| **PTQ-03** | **M14X1.50** | **08L** | **M16X2** | **17** | **54.0** |  |
| **PTQ-04** | **M16X1.50** | **08S** | **M16X2** | **19** | **59.0** |  |
| **PTQ-05** | **M16X1.50** | **10L** | **M16X2** | **19** | **59.0** |  |
| **PTQ-06** | **M18X1.50** | **10S** | **M16X2** | **22** | **59.0** |  |
| **PTQ-07** | **M18X1.50** | **12L** | **M16X2** | **22** | **59.0** |  |
| **PTQ-08** | **M20X1.50** | **12S** | **M16X2** | **24** | **59.0** |  |
| **PTQ-09** | **M22X1.50** | **14S** | **M16X2** | **27** | **59.0** |  |
| **PTQ-10** | **M22X1.50** | **15L** | **M16X2** | **27** | **59.0** |  |
| **PTQ-11** | **M24X1.50** | **16S** | **M16X2** | **30** | **59.0** |  |
| **PTQ-12** | **M26X1.50** | **18L** | **M16X2** | **32** | **59.0** |  |
| **PTQ-13** | **M30X2.00** | **20S** | **M16X2** | **36** | **59.0** |  |
| **PTQ-14** | **M30X2.00** | **22L** | **M16X2** | **36** | **62.0** |  |
| **PTQ-15** | **M36X2.00** | **28L** | **M16X2** | **41** | **60.0** |  |
| **PTQ-16** | **M36X2.00** | **25S** | **M16X2** | **46** | **65.0** |  |
| **PTQ-17** | **M42X2.00** | **30S** | **M16X2** | **50** | **65.0** |  |
| **PTQ-18** | **M45X2.00** | **35L** | **M16X2** | **50** | **62.0** |  |
| **PTQ-19** | **M52X2.00** | **38S** | **M16X2** | **60** | **65.0** |  |
| **PTQ-20** | **M52X2.00** | **42L** | **M16X2** | **60** | **65.0** |  |

If you need test coupling with exhaust,the code will be PPTQ-\*,such as PPTQ-01.

M2



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Code** | ***G*** | 0D | **M2** | **Ch.1** | H | Choice sealing type |
| **PTT-01** | **M12X1.50** | **06L** | **M16X2** | **14** | **54.0** |  |
| **PTT-02** | **MMX 1.50** | **06S** | **M16X2** | **17** | **54.0** |  |
| **PTT-03** | **MUX 1.50** | **08L** | **M16X2** | **17** | **54.0** |  |
| **PTT-04** | **M16X1.50** | **Q8S** | **M16X2** | **19** | **59.0** |  |
| **PTT-05** | **M16X1.50** | **10L** | **M16X2** | **19** | **59.0** |  |
| **PTT-06** | **M18X1.50** | **10S** | **M16X2** | **22** | **59.0** |  |
| **PTT-07** | **M18X1.50** | **12L** | **M16X2** | **22** | **59.0** |  |
| **PTT-08** | **M20X1.50** | **12S** | **M16X2** | **24** | **59.0** |  |
| **PTT-09** | **M22X1.50** | **14S** | **M16X2** | *27* | **59.0** |  |
| **PTT-10** | **M22X1.50** | **15L** | **M16X2** | ***27*** | **59.0** |  |
| **PTM1** | **M24X1.50** | **16S** | **M16X2** | **30** | **59.0** |  |
| **PTT-12** | **M26X1.50** | **18L** | **M16X2** | **32** | **59.0** |  |
| **PTT-13** | **M30X2.00** | **20S** | **M16X2** | **36** | **59.0** |  |
| **PTT-14** | **M30X2.00** | **22L** | **M16X2** | **36** | **62.0** |  |
| **PTT-15** | **M36X2.00** | **28L** | **M16X2** | **41** | **60.0** |  |
| **PTT-16** | **M36X2.00** | **25S** | **M16X2** | ***46*** | **65.0** |  |
| **PTT-17** | **M42X2.00** | **30S** | **M16X2** | **50** | **65.0** |  |
| **PTT-18** | **M45X2.00** | **35L** | **M16X2** | **50** | **62.0** |  |
| **PTT-19** | **M52X2.00** | **38S** | **M16X2** | **60** | **65.0** |  |
| **PTT-20** | **M52X2.00** | **42L** | **M16X2** | **60** | **65.0** |  |

M2



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Code | G | M2 | Ch.1 | Ch.2 | H | choice sealing type |
| PTD-01 | G1/4" | M16X2 | 32 | 19 | 54.0 |  |
| PTD-02 | G3/8” | M16X2 | 32 | 22 | 54.0 |  |
| PTD-03 | G1/2" | M16X2 | 32 | 27 | 54.0 |  |
| PTD-04 | G3/4” | M16X2 | 32 | 32 | 59.0 |  |
| PTD-05 | G1" | M16X2 | 41 | 41 | 59.0 |  |

M2



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Code | G | M2 | Ch | S max | H | Choice sealing type |
| PTG-01 | 7/16H-20UNF | M16X2 | 32 | 9 | 68.0 |  |
| PTG-02 | 1/2H-20UNF | M16X2 | 32 | 9 | 68.0 |  |
| PTG-03 | 9/16H-18UNF | M16X2 | 32 | 9 | 69.0 |  |



测压盒

Pressure Test Kit

测压盒 Pressure Test Kit

型号**(Type): GDTK-25**

|  |  |
| --- | --- |
| 配置描述Description | 数量Quantity： PCS |
| 压力表 Pressure gauge:(t>63mm ~ 6MPa | 1 |
| 压力表 Pressure gauge: cb63mm ~ 25MPa | 1 |
| 测压软管 Test hose: Length = 1500mm | 2 |
| 微型测压头 Test coupling: G1/4, | 1 |
| 微型测压头 Test coupling: M14x 1.5 | 1 |

型号**(Type)： GDTK-40**

 **(Type)： GDTK-60**

|  |  |
| --- | --- |
| 配置描述Description | 数量Quantity： PCS |
| 压力表 Pressure gauge:中63mm~ 10MPa | 1 |
| 压力表 Pressure gauge:(t)63mm~25MPa | 1 |
| 压力表 Pressure gauge: 463mm ~ 40MPa | 1 |
| 测压软管 Test hose: Length = 1500mm | 3 |
| 微型测压头 Test coupling: M10\*1, | 1 |
| 微型测压头 Test coupling: M14x 1.5 | 1 |
| 微型测压头 Test coupling: G1/4, | 1 |
| 微型测压头 Test coupling: R1/4 | 1 |

|  |  |
| --- | --- |
| 配置描述Description | 数量Quantity： PCS |
| 压力表Pressure gauge: c|)63mm ~ 25MPa | 1 |
| 压力表Pressure gauge: 4)63mm ~40MPa | 1 |
| 压力表Pressure gauge: 063mm ~ 60MPa | 1 |
| 测压软管Test hose: Length = 1500mm | 3 |
| 微型测压头Test coupling: M10\*1, | 1 |
| 微型测压头Test coupling: M14x 1.5 | 1 |
| 微型测压头Test coupling: G1/4, | 1 |
| 微型测压头Test coupling: R1/4 | 1 |
| 微型测压头Test coupling: UNF7/16-20 | 1 |
| 微型测压头Test coupling: NPT1/4-18 | 1 |

Remark： Pressure gauge and test couplings can be changed according to custome

