

二十一、测压软管与测压接头 PRESSURE TESTING HOSE AND ADAPTER

(一)简介:

HF系列微型高压软管接头总成和PT系列微型测压接头公称通径为3mm, 最大工作压力64MPa, 用于液压系统中, 测试液压系统中各点压力和作为传导流体介质的管道, 该软管接头总成和测压接头具有结构先进, 密封可靠, 扣压牢靠, 体积小, 重量轻, 使用简便等特点, 其连接形式有铰接式, 快换式, 锥面密封式等形式, 本公司也可提供用户需要的其它连接形式。

INTRODUCTION

HF hose assembly and PT adapter are designed for testing pressure in a hydraulic system. By installing the PT adapter in your system, you will save the use of expensive fixed gauges and reduce down time. Working pressure of 64 MPa ensures extra long service life and reliability.

(二)适用介质 FLUID SERVICE

矿物油 水—乙二醇 酒精 汽油 乳化液 磷酸脂(需要特殊订货)
mineral oil, water-glycol, alcohol, gasoline line, water-oil emulsions phosphate ester (special order)

(三)技术参数 TECHNICAL DATA

公称通径 Normal diameter d : 3.0mm

软管通径 Hose inside diameter d1 : 2.9mm

软管外径 Hose outer diameter D : 6.0mm

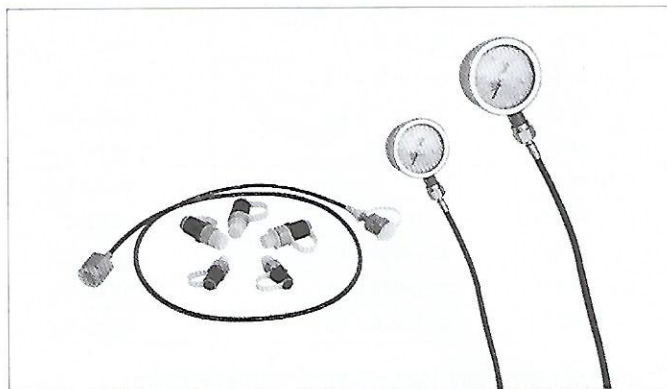
重量 Weight G : 23g/m

适用温度 Temperature range : -40 ~ +100°C

化学性能: 耐酸性溶剂 Acid-resistant

环境适用性 Surrounding suitability

耐臭氧和紫外线无吸湿性 Ozone-resistant, resistance to ultraviolet light and no moisture absorption.



最大动态压力 Max. dynamic pressure Pd: 40MPa

最大静态压力 Max. Quiescent pressure Ps: 64MPa

最小爆破压力 Min. burst pressure Pe: 160MPa

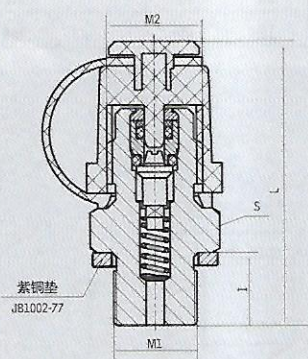
最小弯曲半径 Min. bending radius Rmtn: 30mm

寿命 Life: according to DIN 20024

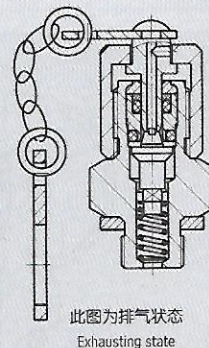
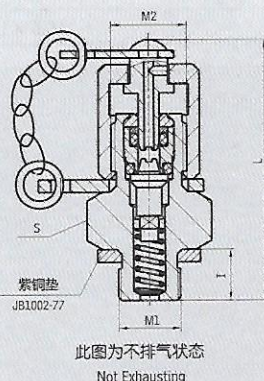
安全系数 Safty coefficient: 静载荷时为 2.5 (static)

动载荷时为 4 (Dynamic)

二十二、PT系列微型高压测压接头 PT PRESSURE TESTING ADAPTER SERIES



PT系列测压接头(不带排气)



PPT系列测压接头(带排气)



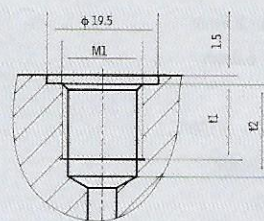
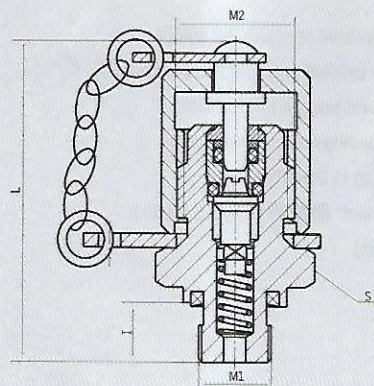
(一)PT系列微型测压接头(不带排气)

订货型号	原旧型号	M1	M2	L	I	S	配测压胶管接头型号
PT-1	PT-00	M10 × 1	M12 × 1.25	41	8	17	H1
PT-2	PT-00A1	M10 × 1	M16	42	8	19	H2
PT-3	PT-00A2/D1-3/M14 × 1.5	M14 × 1.5	M16	46	12	19	H2
PT-4	DI-3/M10 × 1	M10 × 1	M16	42	8	19	H2
PT-5	DI-3/M12 × 1.5	M12 × 1.5	M16	46	12	19	H2
PT-6	DI-3/M18 × 1.5	M18 × 1.5	M16	46	12	24	H2
PT-7	DI-3/G1/4	G1/4	M16	46	12	19	H2
PT-8	BZ	M12 × 1.5	M14 × 1.5	50	12	17	H3
PT-9	KF-1/M10 × 1	M10 × 1	M16 × 1.5	46	11.5	19	H4
PT-10	KF-1/M12 × 1.5	M12 × 1.5	M16 × 1.5	46	11.5	19	H4
PT-11	KF-1/M14 × 1.5	M14 × 1.5	M16 × 1.5	46	11.5	19	H4
PT-12	KF-1/M18 × 1.5	M18 × 1.5	M16 × 1.5	46	11.5	24	H4

(二)PT 系列微型测压接头(不带排气矩形圈密封)

订货型号	M1	M2	L	I	S	配测压胶管接头型号
PT-21	M10 × 1	M16	46.8	8	19	H2
PT-22	G1/4	M16	50.8	12	19	H2
PT-23	M14 × 1.5	M16	46.8	12	19	H2

用户加工尺寸

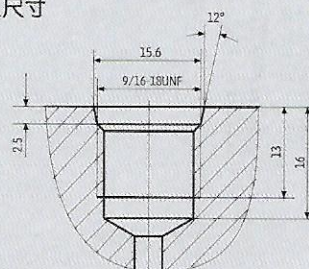
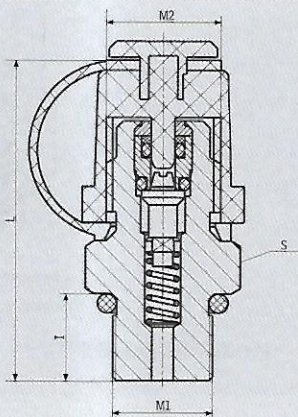


型号	M	t1	t2
PT-21	M10X1	10	13
PT-22	G1/4	13	16
PT-23	M14X1.5	13	16

(三)微型测压接头(不带排气O形圈密封)

订货型号	M1	M2	L	I	S	配测压胶管接头型号
DI-3/9/16-18UNF	9/16-18-UNF	M16	46.8	12	19	H2
KF-1/9/16-18UNF	9/16-18-UNF	M16 × 1.5	46.8	12	19	H4

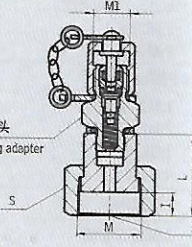
用户加工尺寸



(四)带排气测压接头

订货型号	原旧型号	M1	M2	L	I	S	配测压胶管接头型号
PPT-1	PT1-00	M10 × 1	M12 × 1.25	33	8	17	H1
PPT-2	PT1-00A1	M10 × 1	M16	42	8	19	H2
PPT-3	PT1-00A2	M14 × 1.5	M16	46	12	19	H2
PPT-5	—	M12 × 1.5	M16	46	12	19	H2

(五)PTF系列管道测压接头

	M	S	L	I	M1	可配测压胶管接头型号	订货型号
	M22 × 1.5	27	28	8	M12 × 1.25 M16	H1 H2	PTF-M1/M 例：测压接头的螺 纹为M16与管道相连接的 螺纹为M22 × 1.5则表示为 PTF-M16/M22 × 1.5
	M27 × 1.5	32	29	9			
	M30 × 1.5	36	30	10			
	M36 × 2	41	31	11			
	M42 × 2	50	35	15			
	M52 × 2	60	37	17			
	M60 × 2	70	39	19			

(六)PTS系列管路连接测压接头

	型 号	L	h	d	所配测压接头型号
	PTS-6	69.5	54	6	PT-3
	PTS-8	70.5		8	
	PTS-10	72.5		10	
	PTS-12			12	
	PTS-14			14	
	PTS-16	75.5		16	
	PTS-18			18	
	PTS-20		91.5	55	
	PTS-22	93.5	58	22	
	PTS-25	96.5		25	
	PTS-28	97.5		28	



二十三、HF系列微型高压软管接头总成

HF MINI HIGH PRESSURE HOSE AND ADAPTER ASSEMBLY SERIES

(一)型号说明 MODEL CODE

微型高压软管接头总成

Mini high pressure hose adapter assembly

HF □ □ — □ □ — □ — P — □

软管长度 Lenght of hose unit:

压力等级 Pressure class:40MPa

公称通径 Nor. Dia.:2mm; 3mm

另一端接头连接螺纹 Connecting Thread of another end

J、K、O型(type)

1:M10 × 1

2:M14 × 1.5

P型(type)

1:M14 × 1.5

2:M20 × 1.5

3:G1/4

4:G1/2

H型(type)

1:M12 × 1.25

2:M16

3:M14 × 1.5

4:M16 × 1.5

G型(type)

1:M12 × 1.25

2:M14 × 1.5

3:M16 × 1.5

E型(type)

1:M14 × 1.5

2:G1/4

另一端接头连接形式 Connecting type of another end

J:铰接式 Adjustable fitting

O:锥面密封式 Cone seal fitting

H:快换式 Quick fitting

P:直接接压力表 Direct connect to pressure gauge

K:卡套式 Tube jam fitting

G:固定螺纹式 Fixed thread

E:外螺纹式 Outer thread

一端接头连接形式 Connecting type of one end

J:铰接式 Adjustable fitting

O:锥面密封式 Cone seal fitting

H:快换式 Quick fitting

P:直接接压力表 Direct connect to pressure gauge

K:卡套式 Tube jam fitting

G:固定螺纹式 Fixed thread

E:外螺纹式 Outer thread

一端接头连接螺纹 Connecting Thread of one end

J、K、O型(type)

1:M10 × 1

2:M14 × 1.5

P型(type)

1:M14 × 1.5

2:M20 × 1.5

3:G1/4

4:G1/2

H型(type)

1:M12 × 1.25

2:M16

3:M14 × 1.5

4:M16 × 1.5

G型(type)

1:M12 × 1.25

2:M14 × 1.5

3:M16 × 1.5

E型(type)

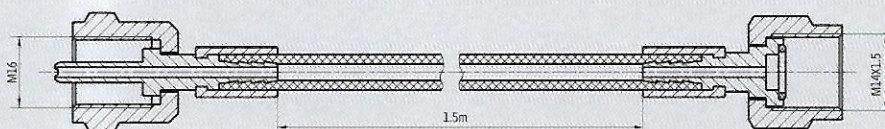
1:M14 × 1.5

2:G1/4

(二)型号举例 ORDERING EXAMPLE

- 1、微型高压软管两端可任意选定接头的连接形式。
- 2、用户欲订购一端是快换式接头，其接头螺纹为M16，另一端是直接接压力表，其接口螺纹为M14 × 1.5，通径为3mm，软管长度为1.5m的软管总成，订货型号是：HFH2-P1-3-P-1.5。
- 3、订购直接接压力表形式的软管总成时，若用户需要带压力表，则要在订单上说明压力表的量程及表径等。
- 4、软管总成示例图：

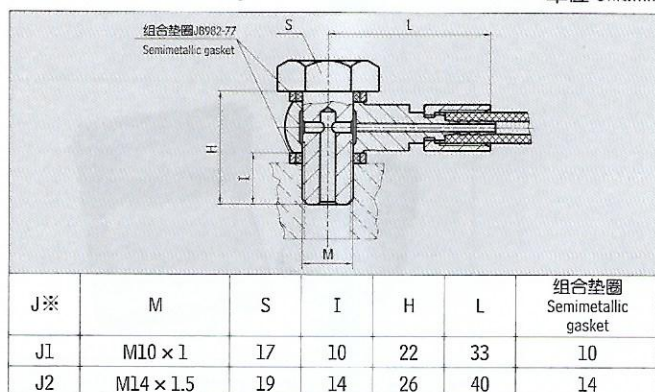
- 1、Any connecting type can be select for two ends of the hose.
- 2、For example : One end with quick fitting of connecting thread is M16, The other is direct to connect with pressure gauge. The connecting of thread is M14X1.5, the metre is Dia. 3mm, the length of hose assembly is 1.5M, the model of this is: HFH2-P1-3-P-1.5.
- 3、When uses want to order the hose assembly with direct pressure gauge, and you also need the pressure gauge , the pressure range and gauge diameter should be expressed in order.
- 4、Diagram of hose assembly :



(三)结构简图及连接尺寸 CONSTRUCTION AND SIZE

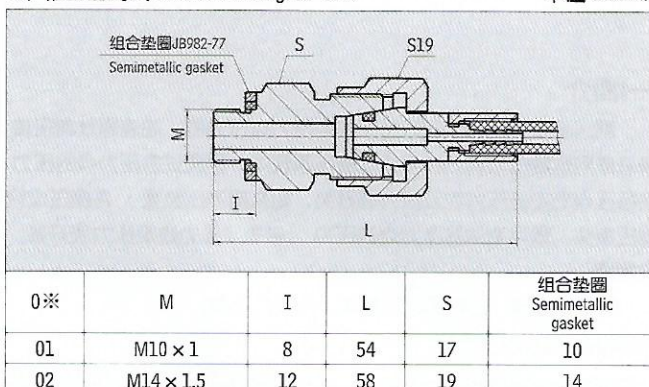
1、铰接式 Adjustable fitting: HFJ ※

单位 Unit:mm



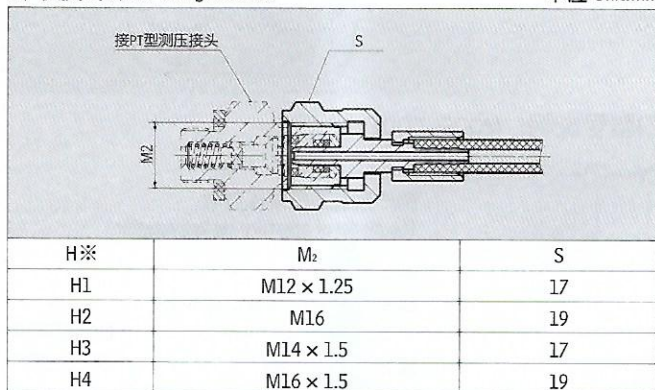
2、锥面密封式 Cone seal fitting: HF0 ※

单位 Unit:mm



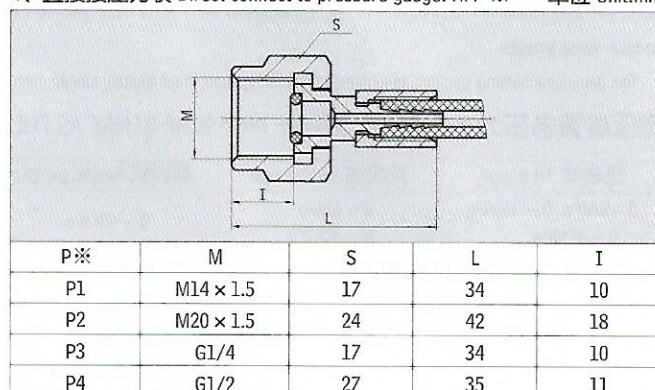
3、快换式 Quick fitting: HFH ※

单位 Unit:mm



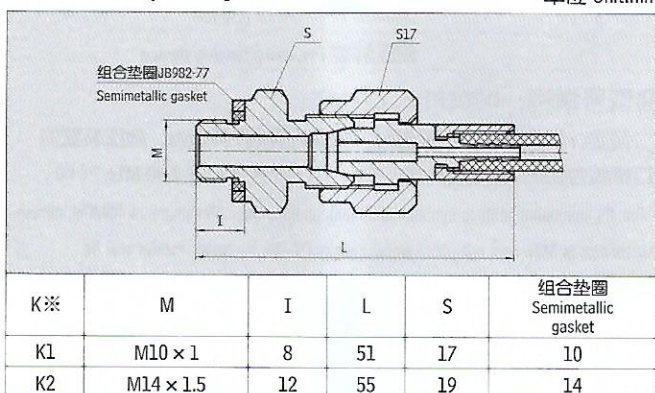
4、直接接压力表 Direct connect to pressure gauge: HFP ※

单位 Unit:mm



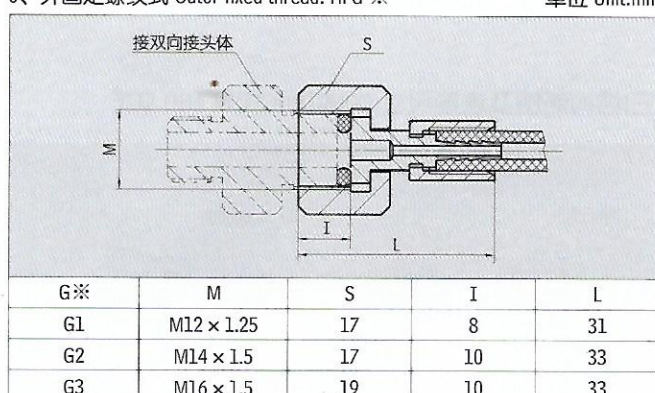
5、卡套式 Tube jam fitting: HFK ※

单位 Unit:mm



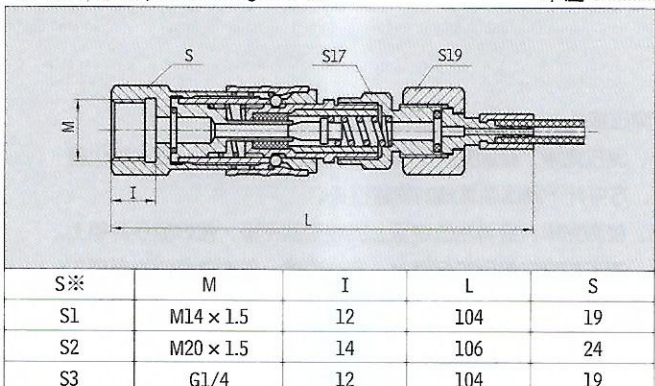
6、外固定螺纹式 Outor fixed thread: HFG ※

单位 Unit:mm



7、速换式 Snap-check fitting: HFS ※

单位 Unit:mm



8、外螺纹式 Outer thread HFE ※

单位 Unit:mm

