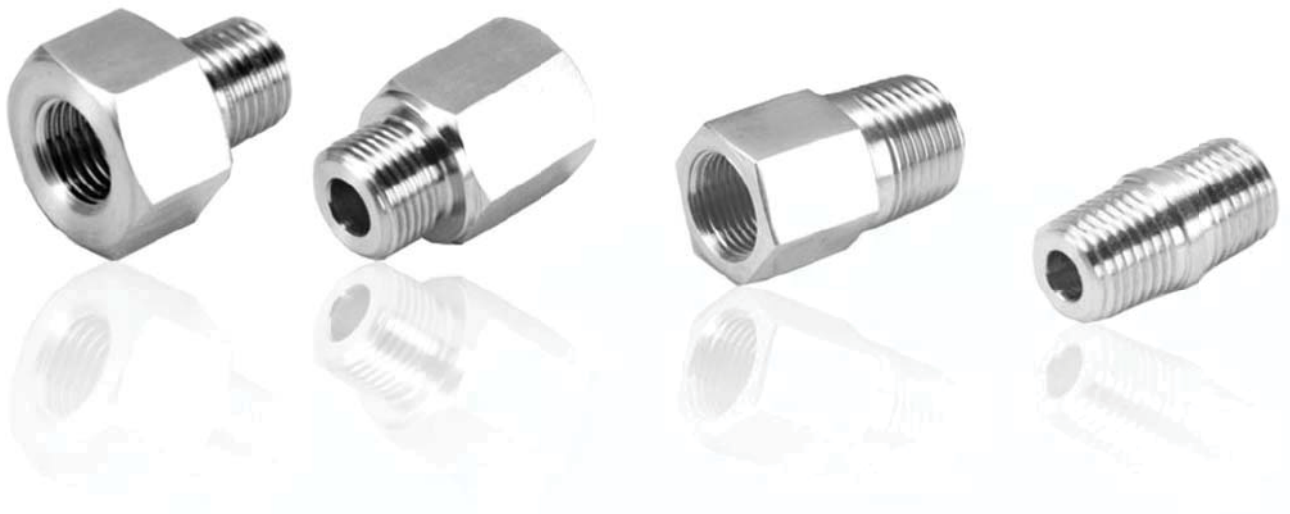


Pipe Fittings



- Sizes: Fractional: 1/16" - 2"
- Pressure Ratings: 6000 PSI, 15000 PSI
- NPT, ISO/BSP, and SAE threads
- Stainless Steel (316L, 316, 304, 304L),
Brass, Carbon Steel, Monel, Inconel

Posi-Lok Instrument Pipe Fittings

Instrumentation Pipe Fittings

 PCN Close Nipple	 PRHB Reducing Hex Bushing	 PRSE Reducing Street Elbow
 PHN Hex Nipple	 PHC Hex Coupling	 PME Male Elbow
 PHLN Hex Long Nipple	 PHRC Hex Reducing Coupling	 PFT Female Tee
 PHRN Hex Reducing Nipple	 PPG ISO Parallel Gasket	 PBT Branch Tee
 PA Adapter	 PPP Pipe Plug	 PRT Run Tee
 PRA Reducing Adapter	 PC Pipe Cap	 PMT Male Tee
	 PFE Female Elbow	 PFC Female Cross
	 PSE Street Elbow	

Posi-Lok Instrument Pipe Fittings

Ordering Information

Example :	PHN	-	8 N	-	8 R	-	B
	1		2 3		2 3		4

1. Fitting Type

Please refer to Instrumentation Thread Fitting Index on page 2.

3. Pipe Thread Type

□ N = NPT (ASME B1.20.1, SAE AS71051)

2. Pipe Thread Size

Size (inch)	1/8	1/4	3/8	1/2	3/4	1
NPT	2N	4N	6N	8N	12N	16N

4. Material

The numbers in parentheses indicate the maximum temperature rating.

□ (Blank) = 316 Stainless Steel [1000°F(537°C)]

Installation Instructions

Sealant is recommended on all pipe threads to insure a leak tight connection. Nickel impregnated Teflon tape and a dab of thread sealer has proven to be most effective for sealing and to prevent galling.

Wrap tape in the same direction of the spiraling threads

Pressure Ratings

Size Designator	NPT Size	316 Stainless Steel			
		Male		Female	
		psig	bar	psig	bar
1	1/16	11000	757	6700	461
2	1/8	10000	689	6500	447
4	1/4	8000	551	6600	454
6	3/8	7800	537	5300	365
8	1/2	7700	530	4900	337
12	3/4	7300	502	4600	316
16	1	5300	365	4400	303
20	1 1/4	6000	413	5000	344
24	1 1/2	5000	344	4600	316
32	2	3900	268	3900	268

- Pressure ratings are based on ASME B31.3 (Process Piping) with allowable stress 20,000 psi for 316 stainless steel, 10,000 psi for brass, and 20,000 psi for carbon steel.
- To determine pressure ratings in accordance with B31.1: multiply by 0.94 for 316 stainless steel and by 0.75 for carbon steel. For Brass, the ratings remain the same.
- To determine kPa, multiply by 6.89

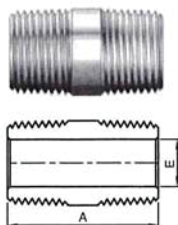
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Web: tvi-i.com

Posi-Lok Instrument Pipe Fittings

PCN

Close Nipple

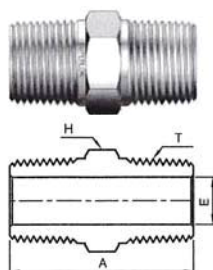


Male NPT Threads

Part No.	NPT Pipe Size	Dimension	
		A	E
PCN-2N	1/8	19.1	4.8
PCN-4N	1/4	28.4	7.1
PCN-6N	3/8	28.4	9.6
PCN-8N	1/2	38.1	11.9
PCN-12N	3/4	38.1	15.7
PCN-16N	1	47.8	22.4

PNH

Hex Nipple

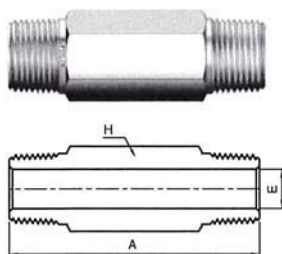


Male NPT Threads

Part No.	NPT Pipe Size	Dimension		
		A	E	H
PHN-2N	1/8	25.6	4.8	11.1
PHN-4N	1/4	35.6	7.1	14.2
PHN-6N	3/8	36.3	9.6	17.4
PHN-8N	1/2	46.7	11.9	22.2
PHN-12N	3/4	46.7	15.7	26.9
PHN-16N	1	58.9	22.4	34.9

PHLN

Hex Long Nipple



Male NPT Threads

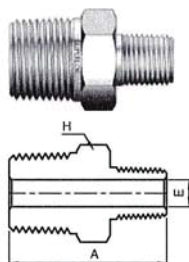
Part No.	NPT Pipe Size	Dimension		
		A	E	H
PHLN-2N	1/8	*	4.8	11.1
PHLN-4N	1/4	*	7.1	14.2
PHLN-6N	3/8	*	9.6	17.4
PHLN-8N	1/2	*	11.9	22.2
PHLN-12N	3/4	*	15.7	26.9
PHLN-16N	1	*	22.4	34.9

* The length of Nipple "A" is defined by user (Part number example : PHLN-8N-3.5IN IN=INCHES

Posi-Lok Instrument Pipe Fittings

PHRN

Hex Reducing Nipple

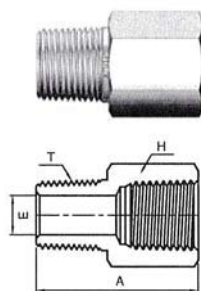


Male NPT Threads

Part No.	NPT Pipe Size	Reduced Pipe Size	Dimension		
			A	E	H
PHRN-2N-1N	1/8	1/16	25.6	3.0	11.1
PHRN-4N-2N	1/4	1/8	31.0	4.8	14.2
PHRN-6N-2N	3/8	1/8	31.8	4.8	17.4
PHRN-6N-4N	3/8	1/4	36.3	7.1	17.4
PHRN-8N-2N	1/2	1/8	37.3	4.8	22.2
PHRN-8N-4N	1/2	1/4	41.9	7.1	22.2
PHRN-8N-6N	1/2	3/8	41.9	9.6	22.2
PHRN-12N-4N	3/4	1/4	41.9	7.1	26.9
PHRN-12N-8N	3/4	1/2	46.7	11.9	26.9
PHRN-16N-4N	1	1/4	49.3	7.1	34.9
PHRN-16N-8N	1	1/2	54.1	11.9	34.9
PHRN-16N-12N	1	3/4	54.1	15.7	34.9

PA

Adapter



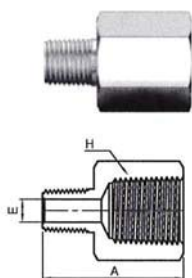
Male to Female NPT Threads

Part No.	NPT Pipe Size	Dimension		
		A	E	H
PA-2N	1/8	27.9	4.8	14.2
PA-4N	1/4	35.6	7.1	19.1
PA-6N	3/8	38.4	9.6	22.2
PAN8N	1/2	49.3	11.9	26.9
PA-12N	3/4	51.3	15.7	33.3
PA-16N	1	57.9	22.4	41.2

Posi-Lok Instrument Pipe Fittings

PRA

Reducing Adapter

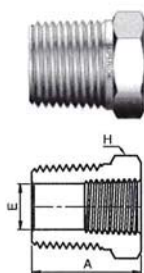


Male to Female NPT Threads

Part No.	Male Pipe Size	Female Pipe Size	Dimension		
			A	E	H
PRA-2N-4N	1/8	1/4	32.0	4.8	19.1
PRA-2N-6N	1/8	3/8	33.8	4.8	22.2
PRA-4N-6N	1/4	3/8	38.1	7.1	22.2
PRA-2N-8N	1/8	1/2	40.1	4.8	25.9
PRA-4N-8N	1/4	1/2	44.7	7.1	25.9
PRA-6N-8N	3/8	1/2	44.4	9.6	25.9
PRA-4N-12N	1/4	3/4	47.0	7.1	33.3
PRA-6N-12N	3/8	3/4	46.2	9.6	33.3
PRA-8N-12N	1/2	3/4	51.3	11.9	33.3
PRA-4N-16N	1/4	1	49.8	7.1	41.2
PRA-8N-16N	1/2	1	54.9	11.9	41.2
PRA-12N-16N	3/4	1	55.1	15.7	41.2

PRHB

Reducing Hex Bushing

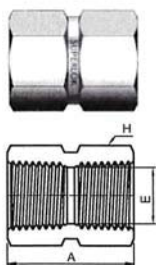


Male to Female NPT Threads

Part No.	Male Pipe Size	Female Pipe Size	Dimension		
			A	E	H
PRHB-4N-2N	1/4	1/8	26.9	7.1	14.2
PRHB-6N-2N	3/8	1/8	21.8	8.6	17.4
PRHB-6N-4N	3/8	1/4	30.2	9.6	19.1
PRHB-8N-2N	1/2	1/8	27.4	8.6	22.2
PRHB-8N-4N	1/2	1/4	27.4	11.4	22.2
PRHB-8N-6N	1/2	3/8	35.8	11.9	22.2
PRHB-12N-4N	3/4	1/4	27.4	11.4	25.9
PRHB-12N-6N	3/4	3/8	27.4	15.0	25.9
PRHB-12N-8N	3/4	1/2	41.4	15.7	25.9
PRHB-16N-4N	1	1/4	34.8	11.4	34.9
PRHB-16N-6N	1	3/8	34.8	15.0	34.9
PRHB-16N-8N	1	1/2	34.8	18.5	34.9
PRHB-16N-12N	1	3/4	47.0	22.4	34.9

PHC

Hex Coupling

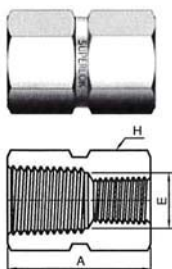


Female NPT Threads

Part No.	Pipe Size	Dimension		
		A	E	H
PHC-2N	1/8	20.6	8.6	14.2
PHC-4N	1/4	30.2	11.4	19.1
PHC-6N	3/8	33.3	15.0	22.2
PHC-8N	1/2	39.6	18.5	26.9
PHC-12N	3/4	41.1	23.9	33.3
PHC-16N	1	50.8	29.7	41.2

PHRC

Hex Reducing Coupling



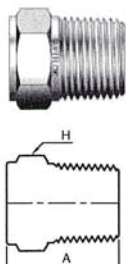
Female NPT Threads

Part No.	Pipe Size	Reduced Pipe Size	Dimension		
			A	E	H
PHRC-4N-2N	1/4	1/8	31.0	8.6	19.1
PHRC-6N-4N	3/8	1/4	35.1	11.4	22.2
PHRC-8N-2N	1/2	1/8	39.6	8.6	26.9
PHRC-8N-4N	1/2	1/4	44.4	11.4	26.9
PHRC-8N-6N	1/2	3/8	45.2	15.0	26.9
PHRC-12N-4N	3/4	1/4	46.0	11.4	33.3
PHRC-12N-8N	3/4	1/2	52.3	18.5	33.3
PHRC-16N-8N	1	1/2	55.6	18.5	41.2
PHRC-16N-12N	1	3/4	57.2	23.9	41.2

Posi-Lok Instrument Pipe Fittings

PPP

Pipe Plug

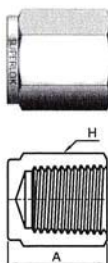


Male NPT Threads

Part No.	Pipe Size	Dimension	
		A	H
PPP-2N	1/8	19.1	11.1
PPP-4N	1/4	24.4	14.2
PPP-6N	3/8	25.1	17.4
PPP-8N	1/2	30.7	22.2
PPP-12N	3/4	30.7	26.9
PPP-16N	1	38.1	34.9

PPC

Pipe Cap

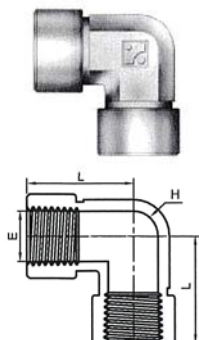


Female NPT Threads

Part No.	Pipe Size	Dimension	
		A	H
PPC-2N	1/8	19.1	14.2
PPC-4N	1/4	23.1	19.1
PPC-6N	3/8	26.2	22.2
PPC-8N	1/2	34.0	26.9
PPC-12N	3/4	36.6	33.3
PPC-16N	1	41.1	41.2

PFE

Female Elbow



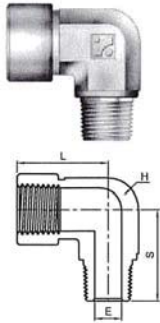
Female NPT Threads

Part No.	Pipe Size	Dimension		
		E	L	H
PFE-2N	1/8	8.6	24.0	12.7
PFE-4N	1/4	11.4	29.0	17.5
PFE-6N	3/8	15.0	34.5	20.6
PFE-8N	1/2	18.5	37.0	25.4
PFE-12N	3/4	23.9	46.5	31.8
PFE-16N	1	29.7	48.8	42.9

Posi-Lok Instrument Pipe Fittings

PSE

Street Elbow

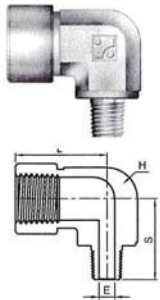


Female to Male NPT Threads

Part No.	Pipe Size	Dimension			
		E	L	S	H
PSE-2N	1/8	4.8	24.1	19.6	12.7
PSE-4N	1/4	7.1	29.0	26.5	17.5
PSE-6N	3/8	9.6	34.5	28.2	20.6
PSE-8N	1/2	11.9	37.0	35.3	25.4
PSE-12N	3/4	15.7	46.5	39.6	31.8
PSE-16N	1	22.4	48.8	49.2	42.9

PRSE

Reducing Street Elbow

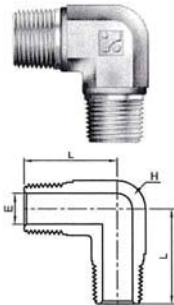


Female to Male NPT Threads

Part No.	Female Pipe Size	Male Pipe Size	Dimension			
			E	L	S	H
PRSE-2N-1N	1/8	1/16	3.0	24.1	22.1	12.7
PRSE-4N-2N	1/4	1/8	4.8	29.0	22.4	17.5
PRSE-6N-4N	3/8	1/4	7.1	34.5	28.2	20.6
PRSE-8N-4N	1/2	1/4	7.1	37.0	30.5	25.4
PRSE-8N-6N	1/2	3/8	9.6	37.0	30.5	25.4
PRSE-12N-8N	3/4	1/2	11.9	46.5	39.6	31.8
PRSE-16N-8N	1	1/2	11.9	48.8	46.5	42.9

PME

Male Elbow

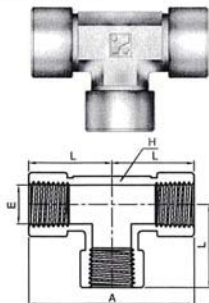


Male NPT Threads

Part No.	Pipe Size	Dimension		
		E	L	H
PME-2N	1/8	4.8	19.1	12.7
PME-4N	1/4	7.1	24.5	12.7
PME-6N	3/8	9.6	26.9	17.5
PME-8N	1/2	11.9	33.2	20.6
PME-12N	3/4	15.7	35.3	25.4
PME-16N	1	22.4	44.5	31.8

PFT

Female Tee

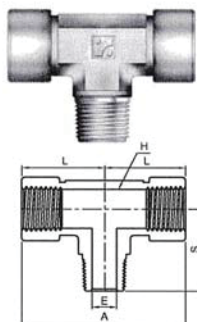


Female NPT Threads

Part No.	Pipe Size	Dimension			
		A	E	L	H
PFT-2N	1/8	48.0	8.6	24.0	12.7
PFT-4N	1/4	58.0	11.4	29.0	17.5
PFT-6N	3/8	69.0	15.0	34.5	20.6
PFT-8N	1/2	74.0	18.5	37.0	25.4
PFT-12N	3/4	93.0	23.9	46.5	31.8
PFT-16N	1	97.0	29.7	48.5	42.9

Posi-Lok Instrument Pipe Fittings

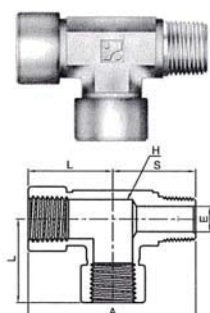
PBT Branch Tee



Male and Female NPT Threads

Part No.	Pipe Size	Dimension				
		A	E	L	S	H
PBT-2N	1/8	48.0	4.8	24.0	19.6	12.7
PBT-4N	1/4	58.0	7.1	29.0	26.5	17.5
PBT-6N	3/8	69.0	9.6	34.5	28.2	20.6
PBT-8N	1/2	74.0	11.9	37.0	35.3	25.4
PBT-12N	3/4	93.0	15.7	46.5	39.6	31.8
PBT-16N	1	97.0	22.4	48.5	49.2	42.9

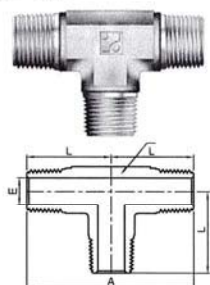
PRT Run Tee



Male and Female NPT Threads

Part No.	Pipe Size	Dimension				
		A	E	L	S	H
PRT-2N	1/8	43.6	4.8	24.0	19.6	12.7
PRT-4N	1/4	56.2	7.1	29.0	26.5	17.5
PRT-6N	3/8	62.7	9.6	34.5	28.2	20.6
PRT-8N	1/2	72.3	11.9	37.0	35.3	25.4
PRT-12N	3/4	86.1	15.7	46.5	39.6	31.8
PRT-16N	1	97.7	22.4	48.5	49.2	42.9

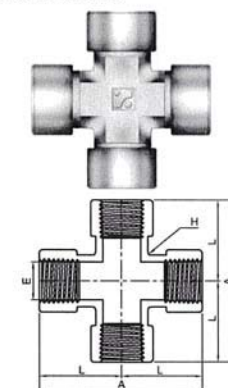
PMT Male Tee



Male NPT Threads

Part No.	Pipe Size	Dimension			
		A	E	L	H
PMT-2N	1/8	38.2	4.8	19.1	12.7
PMT-4N	1/4	49.0	7.1	24.5	12.7
PMT-6N	3/8	53.8	9.6	26.9	17.5
PMT-8N	1/2	66.4	11.9	33.2	20.6
PMT-12N	3/4	70.6	15.7	35.3	25.4
PMT-16N	1	89.0	22.4	44.5	31.8

PFC Female Cross



Female NPT Threads

Part No.	Pipe Size	Dimension			
		A	E	L	H
PFC-2N	1/8	48.0	8.6	24.0	12.7
PFC-4N	1/4	58.0	11.4	29.0	17.5
PFC-6N	3/8	69.0	15.0	34.5	20.6
PFC-8N	1/2	74.0	18.5	37.0	25.4
PFC-12N	3/4	93.0	23.9	46.5	31.8
PFC-16N	1	97.0	29.7	48.5	42.9

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