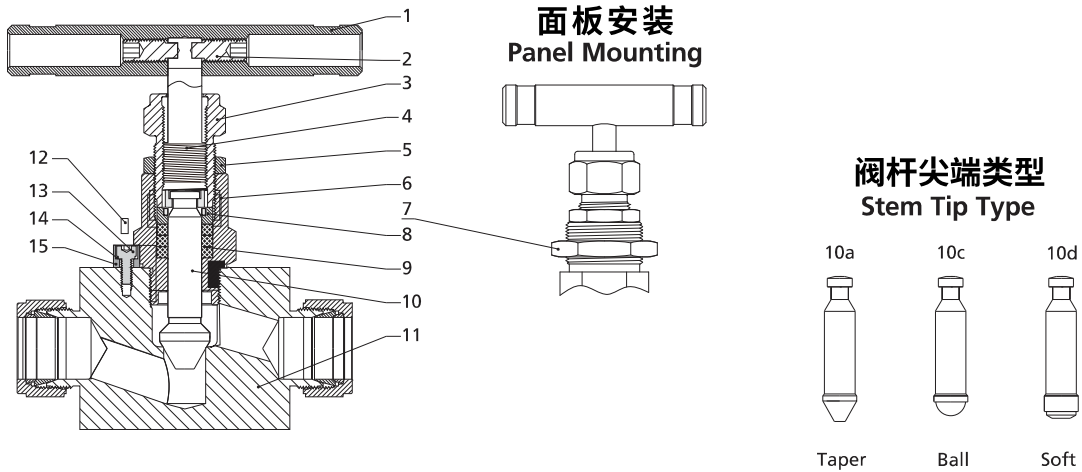


# NB系列针阀

## NB Series Needle Valves

### 螺纹阀帽针阀 | 棒料针阀

### Bar Stock Needle Valves



- 冷拔棒作为阀体
- 两件式阀杆设计: 上阀杆螺纹冷轧, 下阀杆硬化, 强度高, 操作平稳
- 上阀杆螺纹润滑剂与系统介质隔离
- 上升式非旋转阀杆的线性运动而非旋转运动可最大限度地减少填料磨损, 并减少阀座和尖端之间的摩擦
- 完全打开位置的安全后座密封
- 可提供面板安装
- 通过双锁销稳定耐用地固定手柄
- 提供不同颜色的手柄
- 在最大允许工作压力下, 用氮气或压缩空气对每个阀门进行泄漏测试
- 工作压力高达:
  - 不锈钢: 6000 psig (414 bar)
  - 合金 C-276: 6000 psig (414 bar)
  - 合金 400: 5000 psig (345 bar)
  - 钛: 3500 psig (241 bar)
  - 黄铜: 3000 psig (207 bar)
- 工作温度:
  - PTFE: -65°F 至 450°F (-54°C 至 232°C)
  - PEEK: -65°F 至 500°F (-54°C 至 260°C)
  - 石墨: -65°F 至 1200°F (-54°C 至 649°C)

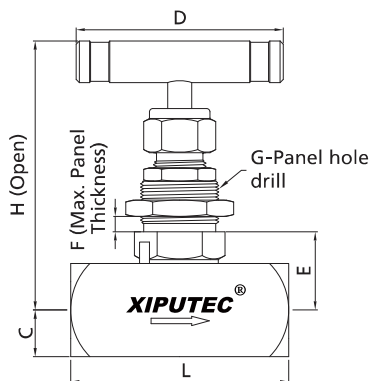
- Cold drawn bar as body
- Two-piece stem design: Upper stem threads cold rolled and lower stem hardened for high strength and smooth operation
- Upper stem thread lubricant isolated from system media
- Linear instead of rotary motion of the rising, non-rotating stem minimizes packing abrasion and reduces the friction between the seat and the tip
- Safety back seating seal in fully open position
- Panel mounting available
- Steady and durable fastening of the handle by double lock-pins
- Handles of different colors available
- Every valve leak tested with Nitrogen or compressed air at the maximum allowable working pressure
- Working pressure up to:
  - Stainless steel: 6000 psig (414 bar)
  - Alloy C-276: 6000 psig (414 bar)
  - Alloy 400: 5000 psig (345 bar)
  - Titanium: 3500 psig (241 bar)
  - Brass: 3000 psig (207 bar)
- Working temperature:
  - PTFE: -65°F to 450°F (-54°C to 232°C)
  - PEEK: -65°F to 500°F (-54°C to 260°C)
  - Graphite: -65°F to 1200°F (-54°C to 649°C)

序号 Item	组件 Component	阀体材质 / Valve Body Material				
		304 SS	316 SS	Alloy C-276	Alloy 400	Alloy 400
		材料等级/ASTM 规范 / Material Grade/ASTM Specification				
1	HANDLE	Anodized aluminum or stainless steel or black knob				
2	SET SCREW	Galvanized carbon steel				
3	PACKING BOLT	304 SS/A479	304 SS/A479	304 SS/A479	304 SS/A479	Brass C36000/B16
4	UPPER STEM	316 SS/A479				
5	LOCK NUT	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Brass C36000/B16
6	BONNET	316SS/A479	Alloy 400/B164	Titanium Gr4/B348	Alloy C-276/B574	Brass C36000/B16
7	PANEL NUT	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Brass C36000/B16
8	GLAND	316 SS/A479				
9	PACKING	PTFE or PEEK or graphite				
10a 10b 10c	LOWER STEM	Hardened 316 SS/A479	Alloy 400/B164	Titanium Gr 4/B348	Alloy C-276/B574	Hardened 316SS/A479
10d	STEM	316SS/A479	Alloy 400/B164	Titanium Gr 4/B348	Alloy C-276/B574	316SS/A479
10d	STEM TIP	PTFE or PCTFE				
11	BODY	316 SS/A479	Alloy 400/B164	Titanium Gr 4/B348	Alloy C-276/B574	Brass C36000/B16
11	SEAT	Same as Body				
12	LOCK PIN	Stainless steel				
13	SCREW	Stainless steel				
14	SPRING WASHER	Stainless steel				
15	BUSH	Stainless steel				
LUBRICANT		Molybdenum disulfide-based				

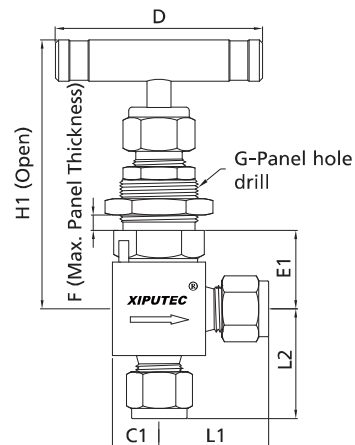
- 项目 12 适用于孔径为 4.0 和 6.0 的阀门。对于孔径为 10.0、75.0 和 18.0mm 的阀门，项目 13、14 和 75 可代替项目 72。
- 如需其他材料，请联系 XIPUTEC Valves 或我们的授权经销商
- Item 12 is applied valves with orifice of 4.0 and 6.0. For valves with orifice of 10.0, 75.0 and 18.0mm, item 13, 14 and 75 are used instead of item 72.
- Contact XIPUTEC Valves or our authorized distributors for other materials

## 尺寸/Dimensions

### 标准图案 / Straight Pattern



### 角度图案 / Angle Pattern



## 阀件-针阀 / Valve parts-Needle valve

零件号 Part No.	连接类型和尺寸 Connection Type and Size		孔径 Orifice in.(mm)	Cv	L	L1	L2	C	C1	D	E	E1	F	G	H	H1
	内径/Inlet	外径/Outlet														
##-NB-NTF8	1/2 Female NPT	1/2 Female NPT	0.39 (10.0)	2.18	3.50 (89.0)	1.63 (41.3)	1.50 (38.1)	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-NTF12	3/4 Female NPT	3/4 Female NPT	0.39 (10.0)	2.18	3.50 (89.0)	1.63 (41.3)	1.50 (38.1)	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-NT12	3/4 Male NPT	3/4 Male NPT	0.39 (10.0)	2.18	3.50 (89.0)	1.50 (38.1)	1.50 (38.1)	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-ID12	3/4"XIPUTEC	3/4"XIPUTEC	0.39 (10.0)	2.18	3.96 (100.0)	1.61 (41.0)	1.61 (41.0)	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-MD14	14mm XIPUTEC	14mm XIPUTEC	0.39 (10.0)	2.18	3.96 (100.0)	1.61 (41.0)	1.61 (41.0)	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-MD16	16mm XIPUTEC	16mm XIPUTEC	0.39 (10.0)	2.18	3.96 (100.0)	1.61 (41.0)	1.61 (41.0)	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-MD18	18mm XIPUTEC	18mm XIPUTEC	0.39 (10.0)	2.18	3.50 (89.0)	-	-	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-TS14	14mm MTS	14mm MTS	0.39 (10.0)	2.18	3.50 (89.0)	-	-	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-TS16	16mm MTS	16mm MTS	0.39 (10.0)	2.18	3.50 (89.0)	-	-	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-TSF12	3/4" TS	3/4" TS	0.39 (10.0)	2.18	3.50 (89.0)	-	-	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-UMB	14mm UMB	14mm UMB	0.39 (10.0)	2.18	5.96 (151.2)	-	-	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-MS	M27x2 Male Metric	M27x2 Male Metric	0.39 (10.0)	2.18	3.12 (79.4)	-	-	0.88 (22.2)	0.75 (19.05)	3.50 (88.9)	1.38 (34.9)	1.25 (31.75)	0.38 (9.7)	1.08 (27.5)	4.11 (104.5)	4.11 (104.5)
##-NB-NTF	3/4 Female NPT	3/4 Female NPT	0.59 (15.0)	3.27	3.50 (89.0)	1.75 (44.5)	1.14 (29.0)	1.14 (29.0)	0.88 (22.2)	5.00 (127)	1.70 (43.2)	1.43 (36.4)	0.38 (9.7)	1.28 (32.5)	5.00 (127)	4.72 (120)
##-NB-TSF16	1" TS	1" TS	0.59 (15.0)	3.27	3.50 (89.0)	1.75 (44.5)	1.14 (29.0)	1.14 (29.0)	0.88 (22.2)	5.00 (127)	1.70 (43.2)	1.43 (36.4)	0.38 (9.7)	1.28 (32.5)	5.00 (127)	4.72 (120)
##-NB-TS25	25mm MTS	25mm MTS	0.59 (15.0)	3.27	3.50 (89.0)	1.75 (44.5)	1.14 (29.0)	1.14 (29.0)	0.88 (22.2)	5.00 (127)	1.70 (43.2)	1.43 (36.4)	0.38 (9.7)	1.28 (32.5)	5.00 (127)	4.72 (120)
##-NB-TS28	28mm MTS	28mm MTS	0.59 (15.0)	3.27	3.50 (89.0)	1.75 (44.5)	1.14 (29.0)	1.14 (29.0)	0.88 (22.2)	5.00 (127)	1.70 (43.2)	1.43 (36.4)	0.38 (9.7)	1.28 (32.5)	5.00 (127)	4.72 (120)
##-NB-PS12	3/4 PS	3/4 PS	0.59 (15.0)	3.27	3.50 (89.0)	1.75 (44.5)	1.14 (29.0)	1.14 (29.0)	0.88 (22.2)	5.00 (127)	1.70 (43.2)	1.43 (36.4)	0.38 (9.7)	1.28 (32.5)	5.00 (127)	4.72 (120)
##-NB-NTF	1 Female NPT	1 Female NPT	0.71 (18.0)	5.65	3.96 (100.0)	-	-	1.24 (31.5)	-	5.00 (127)	-	-	-	-	5.25 (133.3)	-
##-NB-TS25	25mm MTS	25mm MTS	0.71 (18.0)	5.65	3.96 (100.0)	-	-	1.24 (31.5)	-	5.00 (127)	-	-	-	-	5.25 (133.3)	-
##-NB-TSF16	1"TS	1"TS	0.71 (18.0)	5.65	3.96 (100.0)	-	-	1.24 (31.5)	-	5.00 (127)	-	-	-	-	5.25 (133.3)	-
##-NB-TS28	28mm MTS	28mm MTS	0.71 (18.0)	5.65	3.96 (100.0)	-	-	1.24 (31.5)	-	5.00 (127)	-	-	-	-	5.25 (133.3)	-
##-NB-PS12	3/4"PS	3/4"PS	0.71 (18.0)	5.65	3.96 (100.0)	-	-	1.24 (31.5)	-	5.00 (127)	-	-	-	-	5.25 (133.3)	-
##-NB-PS16	1"PS	1"PS	0.71 (18.0)	5.65	3.96 (100.0)	-	-	1.24 (31.5)	-	5.00 (127)	-	-	-	-	5.25 (133.3)	-

- 1.连接类型“XIPUTEC”表示XIPUTEC双卡套管接头。当阀门连接类型为XIPUTEC双卡套管接头时，阀门的工作压力与所用管道的壁厚有关。有关阀门的具体工作压力，请参阅XIPUTEC 管材目录的允许工作压力。
- 2.连接类型“TS”表示英制管承插焊。“MCS”表示公制管承插焊，“MGB”表示公制管对接焊。“UMB”表示可旋转公制管对接焊。“PS”表示管承插焊。
- 3.所列尺寸和类型为标准尺寸。可根据要求提供其他尺寸和类型。有关详细信息，请联系XIPUTEC集团或我们的授权经销商。
- 4.尺寸显示XIPUTEC管接头螺母用手拧紧。所有尺寸仅供参考，可能会更改。对于上面未显示的尺寸，请联系 XIPUTEC VALVES 或我们的授权经销商。

- 1.Connection type of "XIPUTEC" means XIPUTEC double ferrule tube fittings. When the connection type of valves is XIPUTEC double ferrule tube fitting, the working pressures of the valves are related to the wall thickness of tubing applied. For specific working pressure of the valves, please refer to the allowable working pressures in XIPUTEC Catalog Tubing
- 2.Connection type of "TS" means fractional tube socket weld. "MCS" means metric tube socket weld, "MGB" means metric tube butt weld. "UMB" means rotatable metric tube butt weld. "PS" means pipe socket weld
- 3.Sizes and types listed are standard. Other sizes and types are available upon request. For details, please contact XIPUTEC Group or our authorized distributors.
- 4.Dimensions are shown with XIPUTEC tube fitting nuts finger-tight. All dimensions are for reference only and are subject to change. For dimensions not shown above, please contact XIPUTEC VALVES or our authorized distributors.

订购编号说明  
Ordering Number Description

**SS**  $\xrightarrow{①}$  **NS**  $\xrightarrow{②}$  **ID**  $\xrightarrow{③}$  **8**

材料 / Material		系列 / Series		连接类型 Connection Type		连接尺寸 Connection Size	
SS	316 SS	NS		NTF	Female NPT	2	1/8"
S4	304 SS			NT	Male NPT	3	3 mm
M4	Alloy 400			TSF	Fractional Tube Socket Weld	4	1/4"
B	Brass			TS	Metric Tube Socket Weld	6	3/8" or 6 mm
C	Carbon Steel			TBF	Fractional Tube Butt Weld	8	1/2" or 8 mm
TI	Titanium			TB	Metric Tube Butt Weld	10	10 mm
				PS	Pipe Socket Weld	12	3/4" or 12 mm
				PB	Pipe Butt Weld	14	14 mm
				ID	Fractional Tube Fitting	16	16 mm
				MD	Metric Tube Fitting	18	18 mm
				UFB	Nut + Gasket + Fractional Bulged Nipple	22	22 mm
				UMB	Nut + Gasket + Metric Bulged Nipple		

$\xrightarrow{④}$  **ST**  $\xrightarrow{⑤}$  **B**  $\xrightarrow{⑥}$  **PE**  $\xrightarrow{⑦}$  **A**

阀杆头材质 Stem Tip Material		阀杆头类型 Stem Tip Type		阀座材质 Seat Material		流动型态 Flow Pattern	
Same as Body		Taper		Taper		Straight	
ST	Stellite	B	Ball	B	Ball	A	Angle
Ti	Titanium	T	Soft Tip-PTFE	T	Soft Tip-PTFE		
M4	Alloy 400	K	Soft Tip-PCTFE	K	Soft Tip-PCTFE		

$\xrightarrow{⑧}$  **C1**

清洁及产品包装  
Cleaning and Packaging