

台灣公司 TAIWAN OFFICE

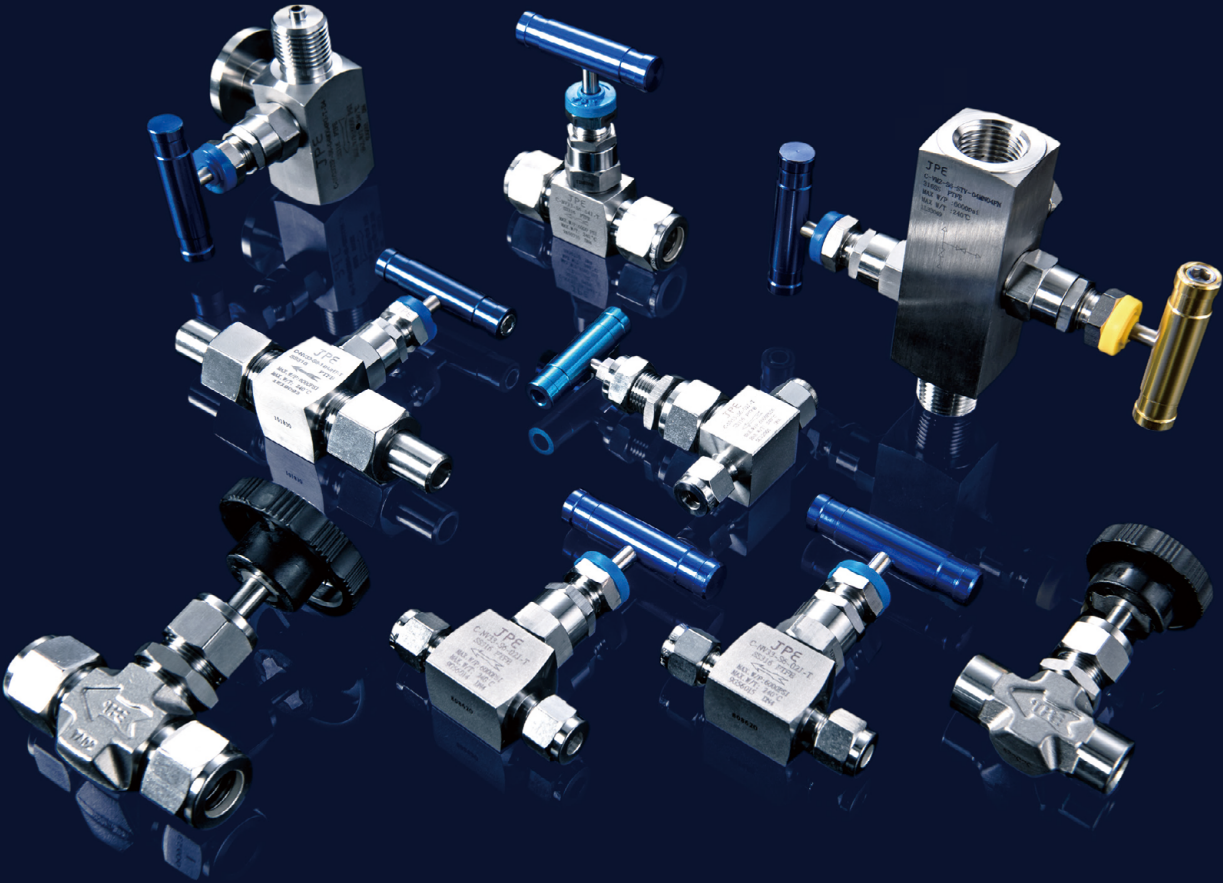
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INSTRUMENT NEEDLE VALVES
儀表針閥



NV11 /12 系列 鍛造針閥 05

NV11 /12 SERIES FORGED NEEDLE VALVES

NV11 / NV11FE 鍛造針閥 - 直通型	13
NV11 / NV11FE FORGED NEEDLE VALVES - INLINE PATTERN	
NV110F / NV11FE0F 氧清潔鍛造針閥 - 直通型	13
NV110F / NV11FE0F OIL FREE FORGED NEEDLE VALVES - INLINE PATTERN	
NV12 / NV12FE 鍛造針閥 - 角型	14
NV12 / NV12FE FORGED NEEDLE VALVES - ANGLE PATTERN	
NV120F / NV12FE0F 氧清潔鍛造針閥 - 角型	14
NV120F / NV12FE0F OIL FREE FORGED NEEDLE VALVES - ANGLE PATTERN	



NV11L 系列 輕量型鍛造針閥 15

NV11L SERIES LIGHT FORGED NEEDLE VALVES

NV11L 輕量型鍛造針閥 - 直通型	19
NV11L LIGHT FORGED NEEDLE VALVES - INLINE PATTERN	
NV11LOF 氧清潔輕量型鍛造針閥 - 直通型	19
NV11LOF OIL FREE LIGHT FORGED NEEDLE VALVES - INLINE PATTERN	

NV33 系列 四角直通針閥 21

NV33 SERIES UNION BONNET NEEDLE VALVES

NV33 / NV33FE 四角直通針閥	27
NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN	
NV33P / NV33PFE 四角直通附排汙針閥	33
NV33P / NV33PFE UNION BONNET NEEDLE VALVES WITH VENT - INLINE PATTERN	



NV33 - OF 系列 氧清潔四角直通針閥..... 35

NV33 - OF SERIES OIL FREE UNION BONNET NEEDLE VALVES

NV33OF / NV33FE0F 氧清潔四角直通針閥	41
NV33OF/ NV33FE0F OIL FREE UNION BONNET NEEDLE VALVES - INLINE PATTERN	
NV33POF / NV33PFE0F 氧清潔四角直通附排汙針閥	43
NV33POF / NV33PFE0F OIL FREE UNION BONNET NEEDLE VALVES WITH VENT - INLINE PATTERN	



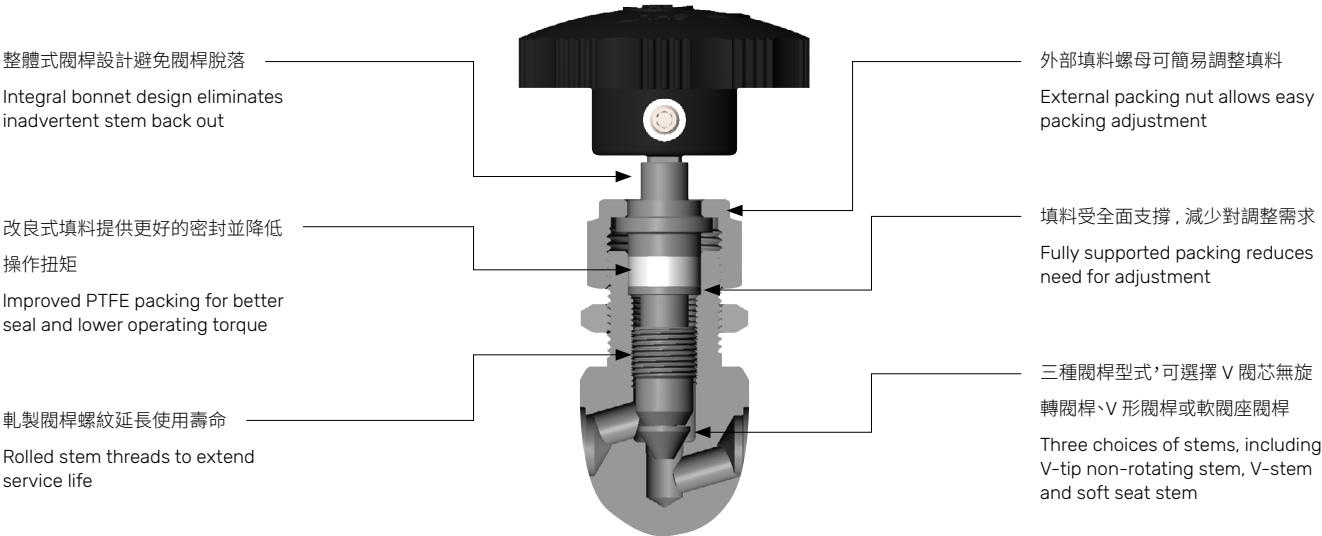
NV11 / NV12

鍛造針閥 FORGED NEEDLE VALVES



特點

CHARACTERISTICS

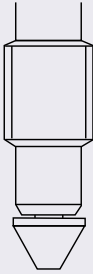
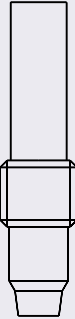
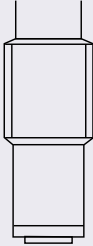


特性

FEATURES

- 鍛造閥體；直通及角型可供選擇，閥體材質符合 ASTM A182 SS316L、JIS H3250 C3771 標準
- 標配黑色圓形合成樹脂把手，亦有鋁製一字型把手可供選擇
- 可面板安裝
- 防止誤操作機構裝置
- 連接方式：JPE 卡套式、內 / 外螺紋連接
- 最大工作壓力：銅 3000 psig (207bar) @RT、不鏽鋼 6000 psig (414bar) @RT
- 通過 ISO 15848-1 工業用閥門 - 低逸散的量測、測試和認證程序
- 上密封元件材質標準配置聚四氟乙烯 (PTFE)
- 100% 出廠前進行氮氣 1000psig 功能性檢測及密封試驗
- 可選禁油 / 氧清潔處理，適合在氣體工業及超低溫系統應用
- Forged body, available with inline and angle pattern. Body material complies with ASTM A182 SS316L, JIS H3250 C3771
- Black phenolic resins handle as standard, aluminum T type handle as option
- Panel mountable
- Device for preventing misoperation
- Connection type : JPE Tube End and Male/ Female Thread
- MAX working pressure : Brass 3000 psig (207bar) @RT, Stainless steel 6000 psig (414bar) @RT
- ISO 15848-1 Industrial valves - Measurement, test and qualification procedures for fugitive emissions certified
- PTFE packing as standard
- 100% functional test and closure test with nitrogen at 1000psig
- Oil free / oxygen clean is available, suitable for applications in gas industry and cryogenic systems

CHOICES OF STEMS 閥桿選擇

	V 閥芯無旋轉閥桿 (標準配備) V-TIP NON-ROTATING STEM (STANDARD) 應用於開關頻率高之場合，提高使用壽命 降低閥座與閥桿磨損 應用於一般工況 For high-cycle applications to extend valves life Seat and stem galling preventable For general purpose
	V 型閥桿 (選配) V-STEM (OPTION) 應用於一般場合 適於液體或潔淨氣體 For general purpose Suitable for liquids and purge gases
	PCTFE 軟閥座閥桿 (選配) PCTFE SOFT SEAT STEM (OPTION) 較低的閥座扭矩 應用於需重複關斷場合 適於液體或潔淨氣體 With a lower seating torque For repetitive shutoff applications Suitable for liquids and purge gases

PACKING MATERIALS & PRESSURE TEMPERATURE RATINGS 填料材質 & 壓力溫度範圍

填料材質 Packing Material	本體材質 Body Material	溫度 Temperature °C (°F)	工作壓力 Working Pressure psig (bar)
PTFE	SS316L	-53°C (-65 °F) ~ +37°C (100 °F)	6000(413)
		93(200)	5160(355)
		121(250)	4850(334)
		148(300)	4600(317)
		176(350)	4450(306)
		210(410)	4250(293)

- 帶 JPE 卡套接口閥門的壓力等級會受管材質和壁厚影響，欲查閱更多資料，請參照 JPE 卡套接頭目錄。
- PRESSURE RATINGS OF VALVES WITH JPE COMPRESSION END CONNECTION ARE DETERMINED BY THE TUBING MATERIAL AND WALL THICKNESS. FOR MORE INFORMATION, PLEASE SEE JPE TUBE FITTING CATALOG.

OIL FREE / OXYGEN CLEAN 禁油 / 氧清潔處理

清洗

CLEANING

- 依照氧清潔標準作業程序清洗全零件，使產品無殘留油漬
 - 用烘乾機去除產品上殘留的水漬
- All components are oil free after washed in compliance with oil free SOP.
 - Drying machine is functioned to remove the water stain on products.

裝配和測試

ASSEMBLING AND TESTING

- 依照組裝標準作業程序進行組裝
 - 所有 JPE 針閥都在工廠內使用 1000 psig (69bar) 乾淨、乾燥的氮氣進行功能性檢測與密封試驗
- All valves are assembled in compliance with assembling SOP.
 - All JPE needle valves are tested by clean and dry nitrogen 1000 psig (69bar) in factory.

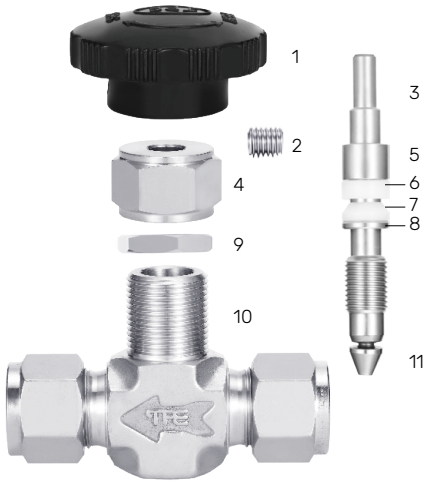
包裝與標示

PACKING AND MARKING

- 每個產品皆單獨包裝在密封塑膠袋，以確保產品使用前的清潔，並於袋上註記禁油 / 氧清潔字樣
 - 包裝盒上標識產品編號、數量、生產批號等資訊
- To ensure products are clean before use, each product is packed in an individual sealed plastic bag marked with oil free.
 - Product code, quantity and information are indicated on the packing box.

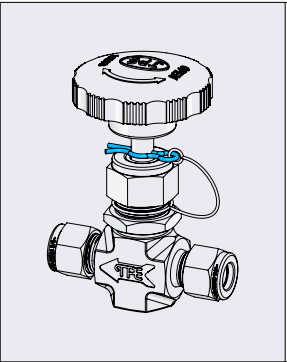
MATERIAL OF CONSTRUCTION 材質結構

項次 Item	零件名稱 Part Description	數量 Qty.	材質 Material
1	手柄 Handle	1	塑膠 ABS / 陽極鋁 ANODIZED ALUMINUM
2	手柄固定螺絲 Handle Set Screw	1	SS304
3	閥桿 Stem	1	SS316L
4	填料螺母 Packing Nut	1	SS316L / C3604
5	上部壓蓋 Upper Gland	1	SS316L
6	上部填料 Upper Packing	1	PTFE
7	下部填料 Lower Packing	1	PTFE
8	下部壓蓋 Lower Gland	1	SS316L
9	面板螺母 Panel Nut	1	SS304 / C3604
10	本體 Body	1	SS316L / C3771
11	閥芯 Stem Tip	1	SS316L



- 禁油 / 氧清潔款式的閥桿材質為 SS316L(銀鍍層)
- Stem material of oil free / oxygen clean type is SS316L(SILVER COATED)

OPTIONAL ACCESSORIES 選配件



鍛造針閥帶插梢 FORGED NEEDLE VALVES WITH PIN

防止誤操作機構裝置

適用於鍛造針閥

Device for preventing misoperation

Applicable to NV11 forged needle valve

ORDERING INFORMATION 選型表

C -	NV	1	1 -	S6 -	02	J -	T -	(CX)		
產品大類	產品名稱	閥件種類	閥件形式	材質	卡套尺寸 (英制)	卡套尺寸 (公制)	連接方式	填料	選配件 ^A	
CLASSIFICATION	PRODUCT NAME	VALVE TYPE	VALVE PATTERN	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	PACKING	ACCESSORY	
C:閥門類 VALVES	NV:針閥 NEEDLE VALVE	1:鍛造 FORGED	1:直通	S6:SS316L	01:1/8"	6:6mm	J:卡套式	T:聚四氟乙烯	CX:帶插梢	
			VALVES	NEEDLE VALVE	INLINE PATTERN			JPE TUBE END	PTFE	CX:WITH PIN
				2:角型	BR:C3771	02:1/4"	8:8mm	MR:外螺紋 BSPT		
				ANGLE PATTERN			MALE BSPT THREAD			
				1FE:直通低逸散		03:3/8"	10:10mm	FR:內螺紋 BSPT		
				INLINE PATTERN			FEMALE BSPT THREAD			
				WITH FUGITIVE EMISSION						
				2FE:角型低逸散		04:1/2"	12:12mm	MN:外螺紋 NPT		
				ANGLE PATTERN			MALE NPT THREAD			
				WITH FUGITIVE EMISSION						
				10F:氧清潔直通				FN:內螺紋 NPT		
				OIL FREE INLINE PATTERN			FEMALE NPT THREAD			
	20F:氧清潔角型									
	OIL FREE ANGLE PATTERN									
	1FEOF:氧清潔直通低逸散									
	OIL FREE INLINE PATTERN WITH									
	FUGITIVE EMISSION									
	2FEOF:氧清潔角型低逸散									
	OIL FREE ANGLE PATTERN WITH									
	FUGITIVE EMISSION									

• 在閥門的使用壽命內，可能需調整填料螺母，以維持完整密封性

• 一段時間內無使用的閥門，把手可能有較高的初始扭力

• 如需選購低逸散款式，在 JPE 產品編號中加上 FE。例：C-NV11FE-S6-02J-T

A：防止誤操作機構裝置。如需選購此配件在 JPE 產品編號中加上 -CX。例：C-NV11-S6-02MN-T-CX。

• A packing nut adjustment may be required periodically to increase service life and to prevent leakage

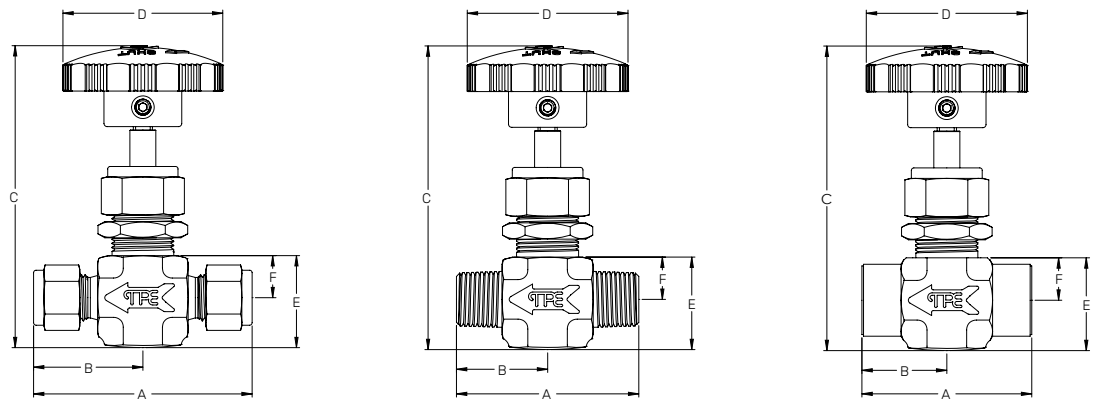
• Valves that have not been cycled for a period of time may have a higher initial actuation torque

• Purchase Fugitive Emission type, insert FE into JPE product name. EX: C-NV11FE-S6-02J-T

A: Device for preventing misoperation. Purchase this accessory, insert -CX into JPE product name. EX: C-NV11-S6-02MN-T-CX

NV11(OFF) / NV11FE(OFF) (氧清潔) 鍛造針閥 - 直通型 / 低逸散

NV11(OFF) / NV11FE(OFF) (OIL FREE) FORGED NEEDLE VALVES -
INLINE PATTERN / FUGITIVE EMISSION

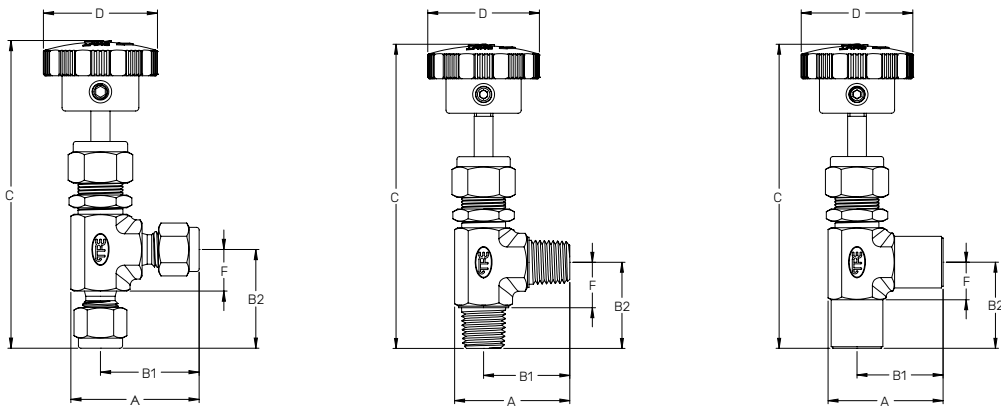


類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)						
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F	板孔 Panel Hole Size
卡套 JPE TUBE END	公制 Metric	6mm	4	0.18	61.1	30.6	78.5	36	24.2	11.5	15.5
		8mm	4	0.18	63.7	31.9	78.5	36	24.2	11.5	15.5
		10mm	6	0.24	67.8	33.9	92.2	50	28.4	13.0	20.5
		12mm	6	0.24	71.4	35.7	92.2	50	28.4	13.0	20.5
	英制 Fractional	1/8"	2	0.08	59.8	29.9	78.5	36	24.2	11.5	15.5
		1/4"	4	0.18	61.7	30.9	78.5	36	24.2	11.5	15.5
		3/8"	6	0.24	67.5	33.8	92.2	50	28.4	13.0	20.5
		1/2"	6	0.24	71.8	35.9	92.2	50	28.4	13.0	20.5
外螺紋 MALE THREAD	英制 Fractional	1/4"	4	0.16	50.0	25.0	78.5	36	24.2	11.5	15.5
		3/8"	6	0.24	56.0	28.0	92.2	50	28.4	13.0	20.5
內螺紋 FEMALE THREAD	英制 Fractional	1/4"	4	0.16	46.0	23.0	78.5	36	24.2	11.5	15.5
		3/8"	6	0.24	52.0	26.0	92.2	50	28.4	13.0	20.5

- 除非另有說明，否則所有尺寸單位均為 mm。
- 上述尺寸僅供參考，修改不另行通知。
- 其他連接方式，請洽 JPE 銷售代表。
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE.
- FOR OTHER CONNECTIONS, PLEASE CONTACT JPE SALES REPRESENTATIVE.

NV12(OFF) / NV12FE(OFF) (氧清潔) 鍛造針閥 - 角型 / 低逸散

NV12(OFF) / NV12FE(OFF) (OIL FREE) FORGED NEEDLE VALVES -
ANGLE PATTERN / FUGITIVE EMISSION



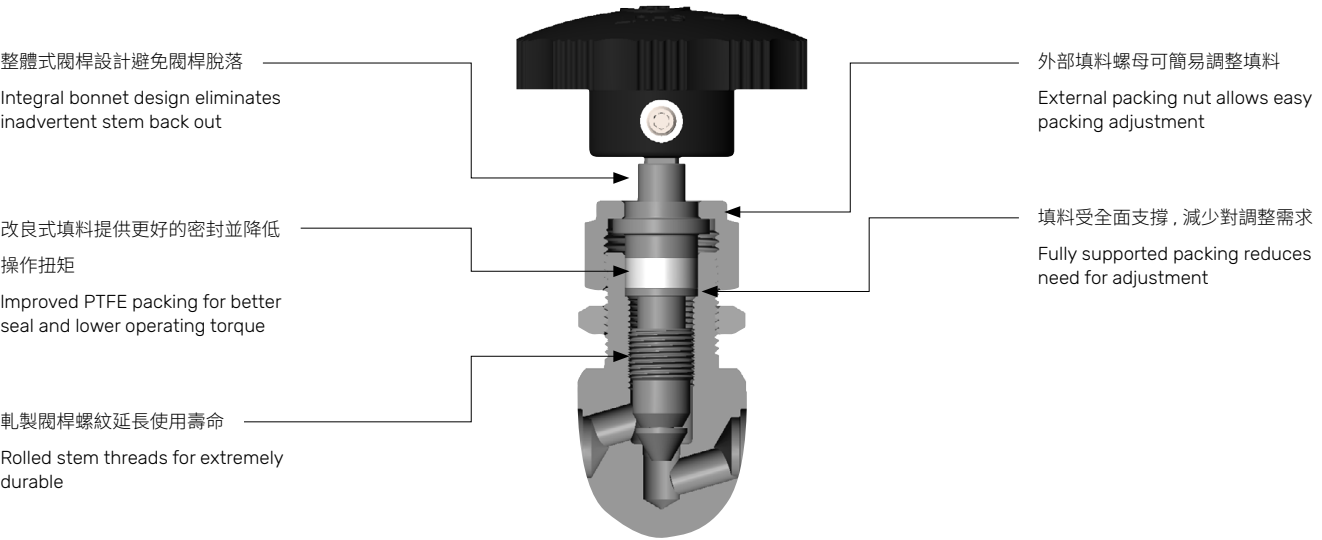
類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)						
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B1	B2	C	D	F	板孔 Panel Hole Size
卡套 JPE TUBE END	公制 Metric	6mm	4	0.16	39.8	30.6	30.6	100.1	36	13	15.5
		8mm	4	0.16	40.1	30.8	30.8	100.4	36	12	15.5
		10mm	6	0.24	47.7	35.9	35.9	113.2	50	16	20.5
		12mm	6	0.24	49.5	37.7	37.7	115.0	50	16	20.5
	英制 Fractional	1/4"	4	0.16	40.1	30.8	30.8	100.4	36	13	15.5
		3/8"	6	0.24	47.1	35.2	35.2	112.5	50	15.5	20.5
		1/2"	6	0.24	49.2	37.4	37.4	114.7	50	15.5	20.5
外螺紋 MALE THREAD	英制 Fractional	1/4"	4	0.16	36.8	27.5	27.5	97.1	36	14.5	15.5
內螺紋 FEMALE THREAD	英制 Fractional	1/4"	4	0.16	36.8	27.5	27.5	97.1	36	12	15.5
		3/8"	6	0.24	39.8	28	28	105.3	50	14	20.5
		1/2"	6	0.24	50.0	35	35	106.6	55	18	15.5

- 除非另有說明，否則所有尺寸單位均為 mm。
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NV11L
輕量型鍛造針閥 LIGHT FORGED NEEDLE VALVES



特點
CHARACTERISTICS



特性
FEATURES

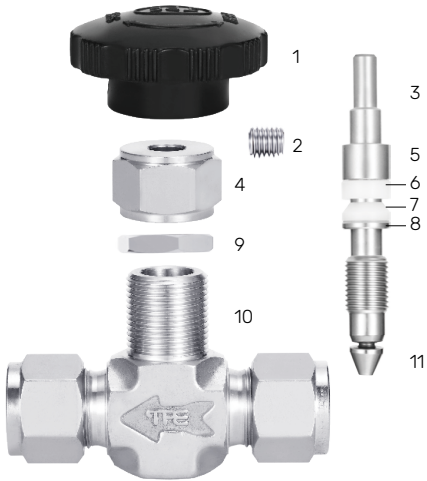
- 鍛造閥體，材質符合 ASTM A182 SS316L 標準
- 標配黑色圓形合成樹脂把手，亦有鋁製一字型把手可供選擇
- 可面板安裝
- 防止誤操作機構裝置
- 連接方式：JPE 卡套式
- 最大工作壓力：1000 psig (69bar) @RT
- 通過 ISO 15848-1 工業用閥門 - 低逸散的量測、測試和認證程序
- 上密封元件材質標準配置聚四氟乙烯 (PTFE)
- 100% 出廠前進行氮氣 500psig 功能性檢測及密封試驗
- 可選禁油 / 氧清潔處理，適合在氣體工業及超低溫系統應用
- Forged body, material complies with ASTM A182 SS316L
- Black phenolic resins handle as standard, aluminum T type handle as option
- Panel mountable
- Device for preventing misoperation
- Connection type : JPE Tube End
- MAX working pressure: 1000 psig (69bar) @RT
- ISO 15848-1 Industrial valves - Measurement, test and qualification procedures for fugitive emissions certified
- PTFE packing as standard
- 100% functional test and closure test with nitrogen at 500psig
- Oil free / oxygen clean is available, suitable for applications in gas industry and cryogenic systems

CHOICES OF STEMS 閥桿選擇

	V 閥芯無旋轉閥桿 (標準配備) V-TIP NON-ROTATING STEM (STANDARD) 應用於開關頻率高之場合，提高使用壽命 降低閥座與閥桿磨損 應用於一般工況 For high-cycle applications to extend valves life Seat and stem galling preventable For general purpose
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MATERIAL OF CONSTRUCTION 材質結構

項次 Item	零件名稱 Part Description	數量 Qty.	材質 Material
1	手柄 Handle	1	塑膠 ABS / 陽極鋁 ANODIZED ALUMINUM
2	手柄固定螺絲 Handle Set Screw	1	SS304
3	閥桿 Stem	1	SS316L
4	填料螺母 Packing Nut	1	SS316L
5	上部壓蓋 Upper Gland	1	SS316L
6	上部填料 Upper Packing	1	PTFE
7	下部填料 Lower Packing	1	PTFE
8	下部壓蓋 Lower Gland	1	SS316L
9	面板螺母 Panel Nut	1	SS304
10	本體 Body	1	SS316L
11	閥芯 Stem Tip	1	SS316L



- 禁油 / 氧清潔款式的閥桿材質為 SS316L(銀鍍層)
- Stem material of oil free / oxygen clean type is SS316L(SILVER COATED)

ORDERING INFORMATION 選型表

C -	NV	1	1L-	S6 -	02	J -	T -	(CX)	
產品大類	產品名稱	閥件種類	閥件形式	材質	尺寸 (英制)	尺寸 (公制)	連接方式	填料	選配件
CLASSIFICATION	PRODUCT NAME	VALVE TYPE	VALVE PATTERN	MATERIAL	SIZE	SIZE	CONNECTION TYPE	PACKING	ACCESSORY
					(FRACTIONAL)	(METRIC)			
C:閥門類	NV:針閥	1:鍛造	1L:直通輕量	S6:SS316L	01:1/8"	6:6mm	J:卡套式	T:聚四氟乙烯	CX:帶插梢
VALVES	NEEDLE VALVE	FORGED	INLINE PATTERN LIGHT				JPE TUBE END	PTFE	CX:WITH PIN
			1LFE:直通輕量低逸散		02:1/4"	8:8mm			
			INLINE PATTERN LIGHT WITH FUGITIVE EMISSION						
			1LOF:氧清潔直通輕量		03:3/8"				
			OIL FREE INLINE PATTERN LIGHT						
			1LFE0F:氧清潔直通輕量低逸散						
			OIL FREE INLINE PATTERN LIGHT WITH FUGITIVE EMISSION						

- 在閥門的使用壽命內，可能需調整填料螺母，以維持完整密封性
- 一段時間內無使用的閥門，把手可能有較高的初始扭力
- 如需選購低逸散款式，在 JPE 產品編號中加上 FE。例：C-NV11LFE-S6-02J-T
- A: 防止誤操作機構裝置。如需選購此配件在 JPE 產品編號中加上 -CX。例：C-NV11L-S6-02J-T-CX。
- A packing nut adjustment may be required periodically to increase service life and to prevent leakage
- Valves that have not been cycled for a period of time may have a higher initial actuation torque
- Purchase Fugitive Emission type, insert FE into JPE product name. EX: C-NV11LFE-S6-02J-T
- A: Device for preventing misoperation. Purchase this accessory, insert -CX into JPE product name. EX: C-NV11L-S6-02J-T-CX

OPTIONAL ACCESSORIES 選配件

鍛造針閥帶插梢 FORGED NEEDLE VALVES WITH PIN

防止誤操作機構裝置

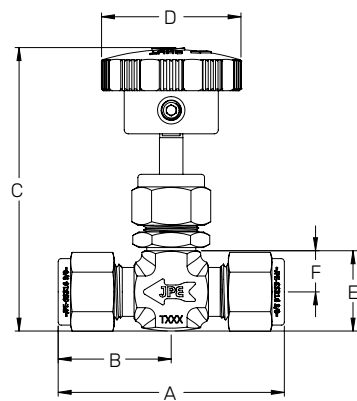
適用於鍛造針閥

Device for preventing misoperation

Applicable to NV11 forged needle valve

NV11L(OF) (氧清潔) 輕量型鍛造針閥 - 直通型

NV11L(OF) (OIL FREE) LIGHT FORGED NEEDLE VALVES - INLINE PATTERN



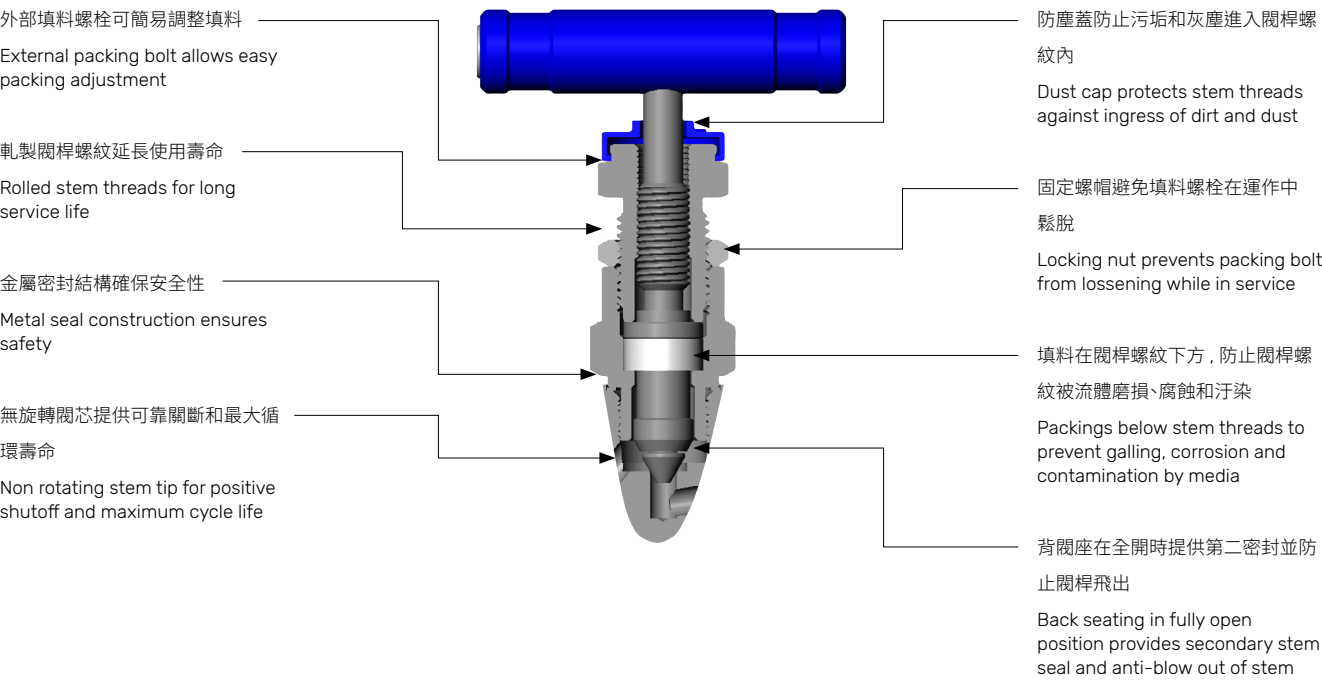
類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)						
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F	板孔 Panel Hole Size
卡套 JPE TUBE END	公制 Metric	6mm	4	0.16	54	27	72.4	36	19.3	9.3	15.5
		8mm	4	0.16	55.4	27.7	72.4	36	19.3	9.3	15.5
	英制 Fractional	1/8"	2	0.08	50.4	25.2	72.4	36	19.3	9.3	15.5
		1/4"	4	0.16	54	27	72.4	36	19.3	9.3	15.5
		3/8"	4	0.16	57.8	28.9	72.4	36	19.3	9.3	15.5

- 除非另有說明，否則所有尺寸單位均為 mm。
- 上述尺寸僅供參考，修改不另行通知。
- 其他連接方式，請洽 JPE 銷售代表。
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS SHOWN ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE.
- FOR OTHER CONNECTIONS, PLEASE CONTACT JPE SALES REPRESENTATIVE.

NV33
四角直通針閥 UNION BONNET NEEDLE VALVES



特點
CHARACTERISTICS



特性
FEATURES

- 閥體冷抽棒材加工，材質符合 ASTM A276 / A479 標準
- 標配鋁製一字型把手，另有不鏽鋼把手可供選擇
- 連接方式：JPE 卡套式、內 / 外螺紋連接、套焊、對焊和由任活接焊
- 最大工作壓力：6000 psig (414bar) @RT
- 不鏽鋼止動插梢，防止誤操作
- 上密封元件材質標準配置聚四氟乙烯 (PTFE) 或石墨 (Graphite)
- 通過 ISO 15848-1 工業用閥門 - 低逸散的量測、測試和認證程序
- 100% 出廠前進行氮氣 1000psig 功能性檢測及密封試驗
- Cold draw bar body, material complies with ASTM A269 / A479
- Aluminum T type handle as standard, stainless steel handle as option
- Connection type : JPE Tube End, Male/Female Thread, Socket Welding, Butt Welding and Union Welding
- MAX working pressure : 6000 psig (414bar) @RT
- Stainless steel stop pin for preventing misoperation
- PTFE packing as standard, and Graphite packing as option
- ISO 15848-1 Industrial valves - Measurement, test and qualification procedures for fugitive emissions certified
- 100% functional test and closure test with nitrogen at 1000psig

PACKING MATERIALS & PRESSURE

TEMPERATURE RATINGS 填料材質 & 壓力溫度範圍

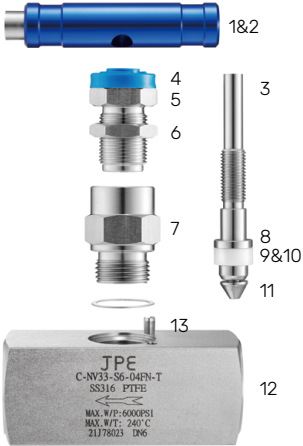
填料材質 Packing Material	本體材質 Body Material	溫度 Temperature °C (°F)	工作壓力 Working Pressure psig (bar)	
			標準 Standard	選擇 Optional
			PTFE	GRAPHITE
PTFE GRAPHITE	SS316L	-53°C (-65 °F) ~ +37°C (100 °F)	6000(413)	6000(413)
		93(200)	5160(355)	5160(355)
		121(250)	4850(334)	4910(338)
		148(300)	4600(317)	4660(321)
		176(350)	4450(306)	4470(307)
		210(410)	4250(293)	4280(294)
		232(450)	-	4130(284)
		260(500)	-	3980(274)
		315(600)	-	3760(259)
		371(700)	-	3600(248)
		426(800)	-	3460(238)

- 帶 JPE 卡套接口閥門的壓力等級會受管材質和壁厚影響，欲查閱更多資料，請參照 JPE 卡套接頭目錄。
- PRESSURE RATINGS OF VALVES WITH JPE COMPRESSION END CONNECTION ARE DETERMINED BY THE TUBING MATERIAL AND WALL THICKNESS. FOR MORE INFORMATION, PLEASE SEE JPE TUBE FITTING CATALOG.

MATERIAL OF CONSTRUCTION

材質結構

項次 Item	零件名稱 Part Description	數量 Qty.	材質 Material
1	手柄 Handle	1	陽極鋁 ANODIZED ALUMINUM
2	手柄固定螺絲 Handle Set Screw	1	SS304
3	閥桿 Stem	1	SS316L
4	防塵蓋 Dust Cap	1	PVC
5	填料螺栓 Packing Bolt	1	SS316L
6	固定螺帽 Locking Nut	1	SS304
7	閥蓋 Bonnet	1	SS316L
8	壓蓋 Gland	1	SS316L
9	上部填料 Upper Packing	1	PTFE
10	下部填料 Lower Packing	1	PTFE
11	閥芯 Stem Tip	1	SS316L
12	本體 Body	1	SS316L
13	止動插梢 Stop pin	1	SS304



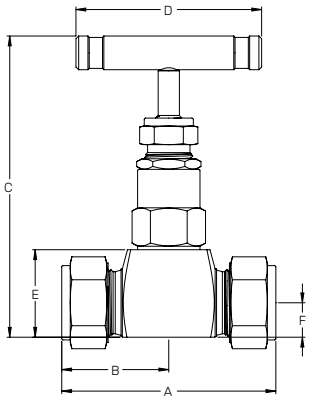
ORDERING INFORMATION 選型表

C -	NV	3	3 -	S6 -	02		J -	T -	D6
產品大類	產品名稱	閥件種類	閥件形式	材質	卡套尺寸 (英制)	卡套尺寸 (公制)	連接方式	填料	孔徑
CLASSIFICATION	PRODUCT NAME	VALVE TYPE	VALVE PATTERN	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	PACKING	ORIFICE
C:閥門類 VALVES	NV:針閥 NEEDLE VALVE	3:四角 BAR STOCK	3:直通	S6:SS316L	01:1/8"	6:6mm	J:卡套式	T:聚四氟乙烯	D4 :4mm
			3FE:直通低逸散		02:1/4"	8:8mm	MR:外螺紋 BSPT	G:石墨	D6 :6mm
			3P:直通附排汙		03:3/8"	10:10mm	FR:內螺紋 BSPT		D8 :8mm
			3PFE:直通低逸散附排汙		04:1/2"	12:12mm	MN:外螺紋 NPT		D10:10mm
			06:3/4"		14:14mm	FN:內螺紋 NPT		D12:12mm	
			08:1"		15:15mm	BW:對焊式		D15:15mm	
			16:16mm		SW:套焊式		*D4 僅適用於尺寸 1/4" 及 6mm 以下		
			18:18mm		UW:由任活接焊				
			20:20mm						
			22:22mm						
			25:25mm						

- 如需更換不鏽鋼把手，在 JPE 產品編號後加上 (BSS6)。例：C-NV33-S6-02J-T-D6(BSS6)
- 在閥門的使用壽命內，可能需調整填料螺母，以維持完整密封性
- 一段時間內無使用的閥門，把手可能有較高的初始扭力
- 如需選購低逸散款式，在 JPE 產品編號中加上 FE。例：C-NV33FE-S6-04J-G-D8
- Change to stainless steel handle. Insert (BSS6) into JPE product name. EX : C-NV33-S6-02J-T-D6(BSS6)
- A packing nut adjustment may be required periodically to increase service life and to prevent leakage
- Valves that have not been cycled for a period of time may have a higher initial actuation torque
- Purchase Fugitive Emission type, insert FE into JPE product name. EX: C-NV33FE-S6-04J-G-D8

NV33 / NV33FE 四角直通針閥 / 低逸散

NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN / FUGITIVE EMISSION

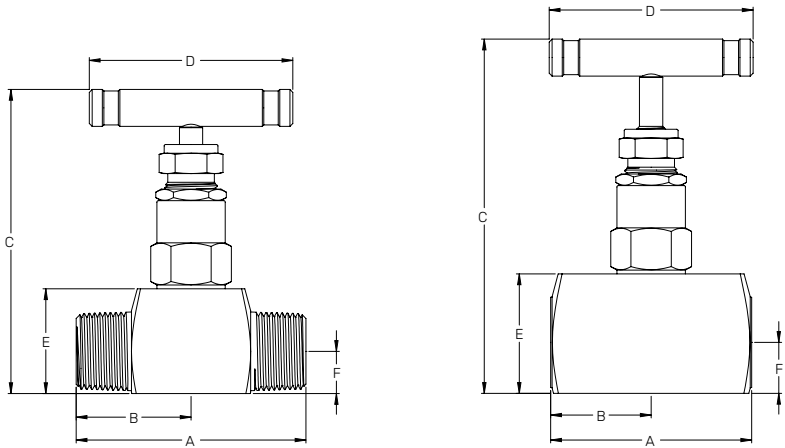


聚四氟乙烯 PTFE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
卡套 JPE TUBE END	公制 Metric	6mm	4	0.16	63	31.5	86	55	25	10
		8mm	6	0.24	69.2	34.6	87.9	55	28	11
		10mm	6	0.24	70.8	35.4	87.9	55	28	11
		12mm	6	0.24	74.4	37.2	87.9	55	28	11
		12mm	8	0.32	89.4	44.7	116.7	70	36	14.5
		14mm	6	0.24	75.8	37.9	87.9	55	28	12.5
		14mm	8	0.32	90.8	45.4	116.7	70	36	14.5
		15mm	6	0.24	76.1	38.1	87.9	55	28	12.5
		15mm	8	0.32	91.1	45.6	116.7	70	36	14.5
		16mm	6	0.24	76.4	38.2	87.9	55	28	12.5
		16mm	8	0.32	91.4	45.7	116.7	70	36	14.5
		18mm	6	0.24	75.8	37.9	87.9	55	28	14
		18mm	8	0.32	90.8	45.4	116.7	70	36	14.5
		18mm	10	0.39	95.8	47.9	138.0	70	41	17.5
		20mm	10	0.39	93.1	46.6	138.0	70	41	17.5
		20mm	12	0.47	98.1	49.1	156.2	100	48	19.5
		22mm	10	0.39	93.7	46.9	138.0	70	41	17.5
		22mm	12	0.47	98.7	49.4	156.2	100	48	19
		25mm	12	0.47	119.8	59.9	156.2	100	48	22.5
	英制 Fractional	1/4"	4	0.16	64	32	86	55	25	10
		3/8"	6	0.24	70.5	35.3	87.9	55	28	11
		1/2"	6	0.24	74.8	37.4	87.9	55	28	11
		1/2"	8	0.32	89.8	44.9	116.7	70	36	14.5
		3/4"	6	0.24	76.9	38.5	87.9	55	28	14
		3/4"	8	0.32	91.9	46	116.7	70	36	14.5
		3/4"	10	0.39	96.9	48.5	138.0	70	41	17.5
		1"	12	0.47	119.8	59.9	156.2	100	48	22.5

NV33 / NV33FE 四角直通針閥 / 低逸散

NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN / FUGITIVE EMISSION



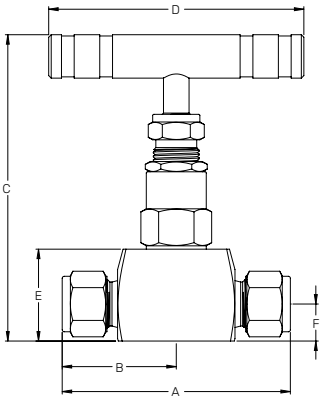
聚四氟乙烯 PTFE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
外螺紋 MALE THREAD	英制 Fractional	1/4"	4	0.16	51	25.5	86	55	25	11.5
		3/8"	6	0.24	55	27.5	87.9	55	28	12.5
		1/2"	6	0.24	61	30.5	87.9	55	28	14
		3/4"	8	0.32	79	39.5	116.7	70	36	14.5
		1"	12	0.47	95	47.5	156.2	100	48	22.5
內螺紋 FEMALE THREAD		1/4"	6	0.24	57	28.5	87.9	55	28	12.5
		3/8"	6	0.24	61	30.5	87.9	55	28	12.5
		3/8"	8	0.32	70	35.0	116.7	70	36	14.5
		1/2"	6	0.24	67	33.5	87.9	55	28	14
		1/2"	8	0.32	70	35.0	116.7	70	36	14.5
		3/4"	6	0.24	70	35.0	87.9	55	32	16
		3/4"	8	0.32	69	34.5	116.7	70	41	17.5
		3/4"	10	0.39	69	34.5	138.0	70	41	17.5
		1"	12	0.47	83	41.5	156.2	100	48	22.5

- 除非另有說明，否則所有尺寸單位均為 mm。
- 尺寸僅供參考，修改不另行通知。
- 其他連接方式，請洽 JPE 銷售代表。
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NV33 / NV33FE 四角直通針閥 / 低逸散

NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN / FUGITIVE EMISSION



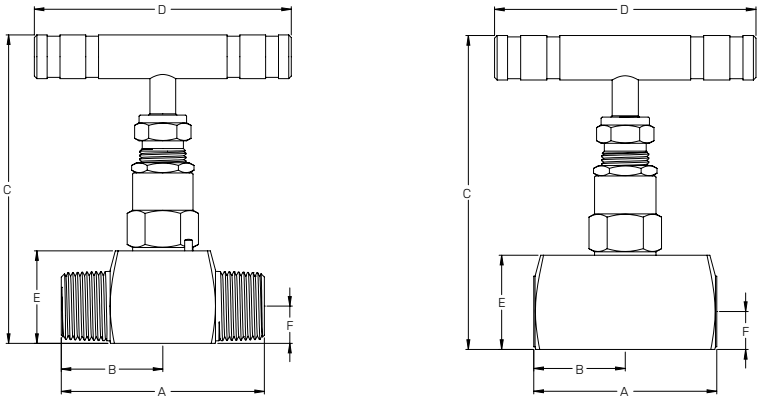
石墨 GRAPHITE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
卡套 JPE TUBE END	公制 Metric	8mm	6	0.24	75.7	37.9	117	100	33	11
		10mm	6	0.24	75.8	37.9	117	100	33	13
		12mm	6	0.24	79.4	39.7	117	100	33	13
		12mm	8	0.32	89.4	44.7	120	100	36	13
		14mm	6	0.24	80.8	40.4	117	100	33	13
		14mm	8	0.32	90.8	45.4	120	100	36	14.5
		15mm	6	0.24	81.1	40.6	117	100	33	13
		15mm	8	0.32	91.1	45.6	120	100	36	14.5
		16mm	6	0.24	81.4	40.7	117	100	33	13
		16mm	8	0.32	91.4	45.7	120	100	36	14.5
		18mm	8	0.32	90.8	45.4	120	100	36	13
		20mm	10	0.39	93.1	46.6	125	100	41	17.5
		22mm	10	0.39	93.7	46.9	125	100	41	17.5
		25mm	12	0.47	119.8	59.9	154.2	100	48	22.5
	英制 Fractional	3/8"	6	0.24	75.5	37.8	117	100	33	13
		1/2"	6	0.24	79.8	39.9	117	100	33	13
		1/2"	8	0.32	89.9	45.0	120	100	36	14.5
		3/4"	8	0.32	91.9	46.0	120	100	36	14
		1"	12	0.47	119.8	59.9	154.2	100	48	22.5

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NV33 / NV33FE 四角直通針閥 / 低逸散

NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN / FUGITIVE EMISSION



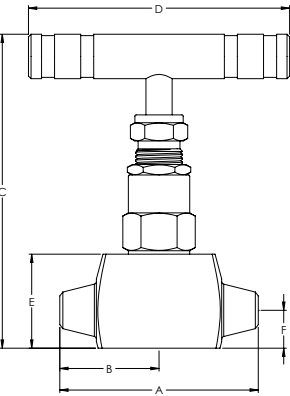
石墨 GRAPHITE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
外螺紋 MALE THREAD	英制 Fractional	3/8"	6.0	0.24	70	35.0	117	100	33	13
		1/2"	8.0	0.32	76	38.0	120	100	36	14.5
		3/4"	8.0	0.32	79	39.5	120	100	36	14.5
		1"	12.0	0.47	95	47.5	154.2	100	48	22.5
內螺紋 FEMALE THREAD		1/4"	6.0	0.24	70	35.0	117	100	33	13
		1/4"	8.0	0.32	70	35.0	120	100	36	14.5
		3/8"	6.0	0.24	70	35.0	117	100	33	13
		3/8"	8.0	0.32	70	35.0	120	100	36	14.5
		1/2"	6.0	0.24	70	35.0	117	100	33	13
		1/2"	8.0	0.32	70	35.0	120	100	36	14.5
		3/4"	8.0	0.32	70	35	125	100	41	17.5
		3/4"	10.0	0.39	70	35	125	100	41	17.5
		1"	12.0	0.47	83	41.5	154.2	100	48	22.5

- 除非另有說明，否則所有尺寸單位均為 mm。
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NV33 / NV33FE 四角直通針閥 / 低逸散

NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN / FUGITIVE EMISSION



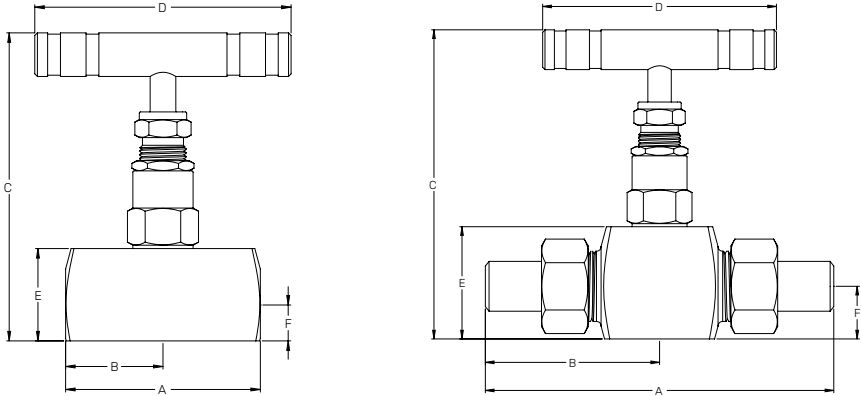
石墨 GRAPHITE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
對焊式 BUTT WELDING	公制 Metric	14mm	8.0	0.32	76	38.0	120	100	36	14.5
		15mm	8.0	0.32	76	38.0	120	100	36	14.5
		16mm	8.0	0.32	76	38.0	120	100	36	14.5
		18mm	8.0	0.32	76	38.0	120	100	36	14.5
		19mm	8.0	0.32	76	38.0	120	100	36	14.5
		20mm	8.0	0.32	76	38.0	120	100	36	14.5
		20mm	12.0	0.47	80	40.0	157.2	100	51	22.5
		22mm	8.0	0.32	76	38.0	120	100	36	14.5
		22mm	12.0	0.47	80	40.0	157.2	100	51	22.5
		25mm	12.0	0.47	92	46.0	154.2	100	48	22.5
		28mm	15.0	0.59	105	52.5	174.9	100	60	25.5
		32mm	15.0	0.59	114	57.0	174.9	100	60	26.5

- 除非另有說明，否則所有尺寸單位均為 mm。
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- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
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- FOR OTHER CONNECTIONS, PLEASE CONTACT JPE SALES REPRESENTATIVE.

NV33 / NV33FE 四角直通針閥 / 低逸散

NV33 / NV33FE UNION BONNET NEEDLE VALVES - INLINE PATTERN / FUGITIVE EMISSION



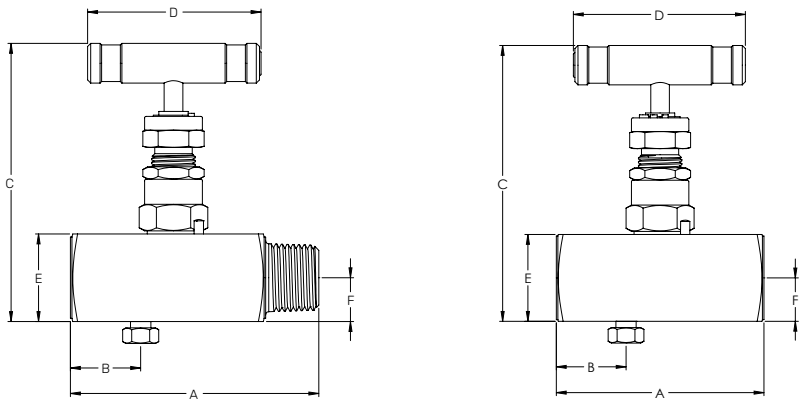
石墨 GRAPHITE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
套焊式 SOCKET WELDING	公制 Metric	14mm	6.0	0.24	51	25.5	117	100	33	13
		16mm	6.0	0.24	51	25.5	117	100	33	13
		16mm	8.0	0.32	51	25.5	120	100	36	14.5
		18mm	8.0	0.32	51	25.5	120	100	36	14.5
		20mm	10.0	0.39	69	34.5	125	100	41	17.5
		22mm	10.0	0.39	69	34.5	125	100	41	17.5
		25mm	12.0	0.47	77	38.5	154.2	100	48	22.5
		28mm	15.0	0.59	90	45.0	174.9	100	60	25.5
		32mm	15.0	0.59	90	45.0	174.9	100	60	25.5
		34mm	15.0	0.59	90	45.0	174.9	100	60	25.5
活接焊 UNION WELDING	公制 Metric	16mm	8.0	0.32	133	66.5	120	100	36	14.5
		18mm	8.0	0.32	133	66.5	120	100	36	14.5
		20mm	10.0	0.39	143	71.5	125	100	41	17.5
		22mm	10.0	0.39	147	73.5	125	100	41	17.5
		25mm	12.0	0.47	165	82.5	154.2	100	48	19.5
		32mm	15.0	0.59	177	88.8	174.9	100	60	26.5

- 除非另有說明，否則所有尺寸單位均為 mm。
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NV33P / NV33PFE 四角直通附排汙針閥 / 低逸散

NV33P / NV33PFE UNION BONNET NEEDLE VALVES WITH VENT -
INLINE PATTERN / FUGITIVE EMISSION



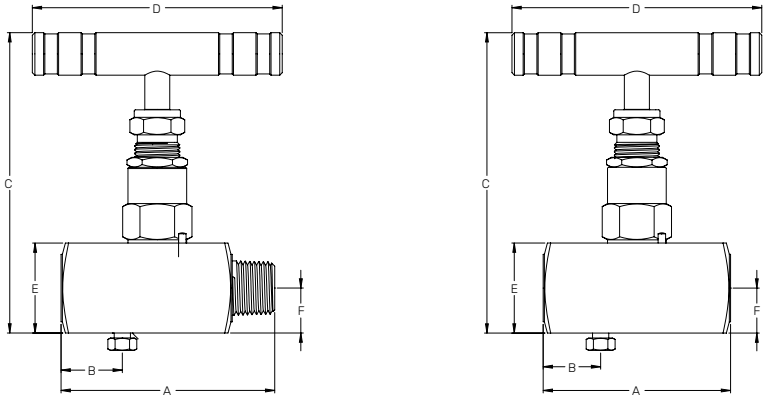
聚四氟乙烯 PTFE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
內外螺紋 FEMALE THREAD x MALE THREAD	英制 Fractional	3/8"	6	0.24	78	22.5	88	55	28	12.5
		1/2"	6	0.24	85.5	24.5	88	55	28	14
內螺紋 FEMALE THREAD	英制 Fractional	1/2"	6	0.24	67	23	88	55	28	14

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NV33P / NV33PFE 四角直通附排汙針閥 / 低逸散

NV33P / NV33PFE UNION BONNET NEEDLE VALVES WITH VENT -
INLINE PATTERN / FUGITIVE EMISSION



石墨 GRAPHITE

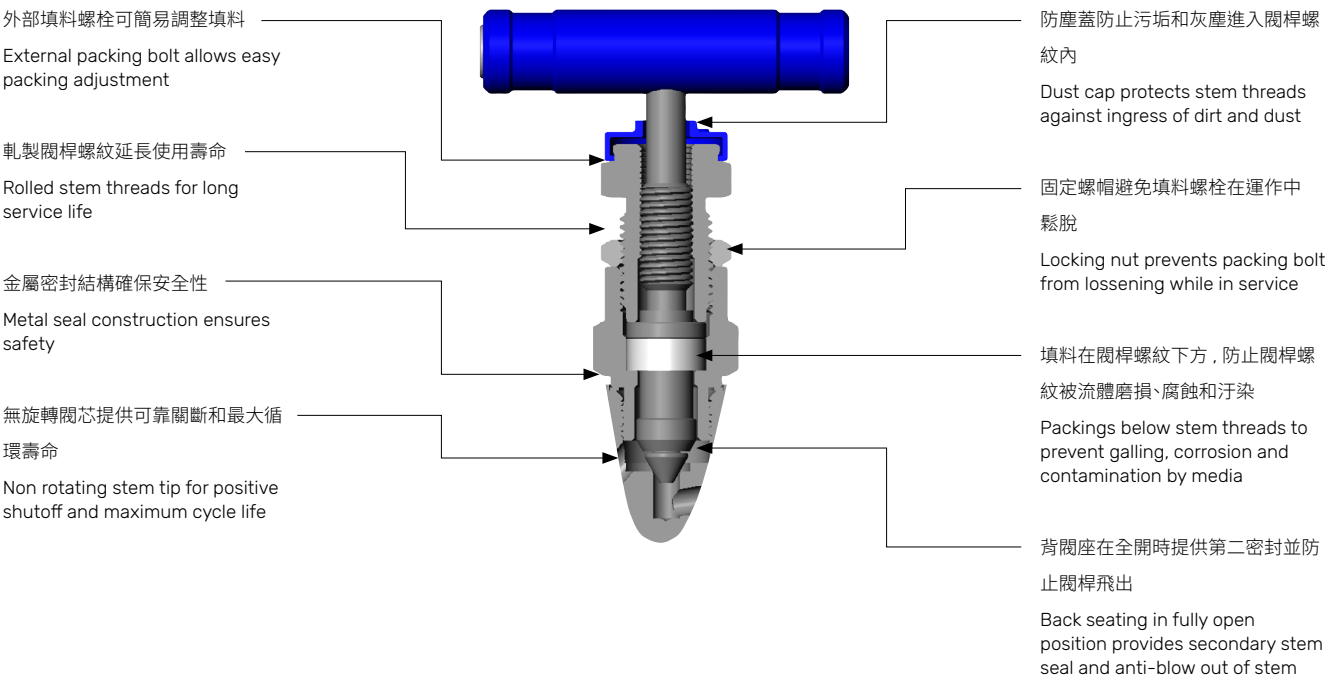
類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
內外螺紋 FEMALE THREAD x MALE THREAD	英制 Fractional	1/2"	6	0.24	85.5	24.5	120	100	36	18
		1/2"	6	0.24	75	23	120	100	36	18

- 除非另有說明，否則所有尺寸單位均為 mm。
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NV33 - OF
氧清潔四角直通針閥
OIL FREE UNION BONNET NEEDLE VALVES



特點
CHARACTERISTICS



特性
FEATURES

- 閥體冷抽棒材加工，材質符合 ASTM A276 / A479 標準
- 標配鋁製一字型把手，另有不鏽鋼把手可供選擇
- 禁油 / 氧清潔處理，適合在氣體工業及超低溫系統應用
- 連接方式：JPE 卡套式、內 / 外螺紋連接
- 最大工作壓力：6000 psig (414bar) @RT
- 不鏽鋼止動插梢，防止誤操作
- 上密封元件材質標準配置聚四氟乙烯 (PTFE)
- 通過 ISO 15848-1 工業用閥門 - 低洩漏的量測、測試和認證程序
- 100% 出廠前進行氮氣 1000psig 功能性檢測及密封試驗
- Cold draw bar body, material complies with ASTM A269 / A479
- Aluminum T type handle as standard, stainless steel handle as option
- Oil free / oxygen clean, suitable for applications in gas industry and cryogenic systems
- Connection type : JPE Tube End, Male/Female Thread
- MAX working pressure : 6000 psig (414bar) @RT
- Stainless steel stop pin for preventing misoperation
- PTFE packing as standard
- ISO 15848-1 Industrial valves - Measurement, test and qualification procedures for fugitive emissions certified
- 100% functional test and closure test with nitrogen at 1000psig

PACKING MATERIALS & PRESSURE

TEMPERATURE RATINGS 填料材質 & 壓力溫度範圍

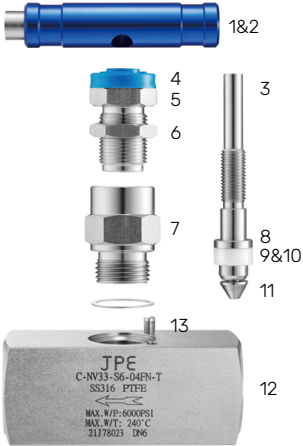
填料材質 Packing Material	本體材質 Body Material	溫度 Temperature °C (°F)	工作壓力 Working Pressure psig (bar)	
			標準 Standard	選擇 Optional
			PTFE	GRAPHITE
PTFE GRAPHITE	SS316L	-53°C (-65 °F) ~ +37°C (100 °F)	6000(413)	6000(413)
		93(200)	5160(355)	5160(355)
		121(250)	4850(334)	4910(338)
		148(300)	4600(317)	4660(321)
		176(350)	4450(306)	4470(307)
		210(410)	4250(293)	4280(294)
		232(450)	-	4130(284)
		260(500)	-	3980(274)
		315(600)	-	3760(259)
		371(700)	-	3600(248)
		426(800)	-	3460(238)

- 帶 JPE 卡套接口閥門的壓力等級會受管材質和壁厚影響，欲查閱更多資料，請參照 JPE 卡套接頭目錄。
- PRESSURE RATINGS OF VALVES WITH JPE COMPRESSION END CONNECTION ARE DETERMINED BY THE TUBING MATERIAL AND WALL THICKNESS.
FOR MORE INFORMATION, PLEASE SEE JPE TUBE FITTING CATALOG.

MATERIAL OF CONSTRUCTION

材質結構

項次 Item	零件名稱 Part Description	數量 Qty.	材質 Material
1	手柄 Handle	1	陽極鋁 ANODIZED ALUMINUM
2	手柄固定螺絲 Handle Set Screw	1	SS304
3	閥桿 Stem	1	SS316L (銀鍍層 SILVER COATED)
4	防塵蓋 Dust Cap	1	PVC
5	填料螺栓 Packing Bolt	1	SS316L
6	固定螺帽 Locking Nut	1	SS304
7	閥蓋 Bonnet	1	SS316L
8	壓蓋 Gland	1	SS316L
9	上部填料 Upper Packing	1	PTFE
10	下部填料 Lower Packing	1	PTFE
11	閥芯 Stem Tip	1	SS316L
12	本體 Body	1	SS316L
13	止動插梢 Stop pin	1	SS304



TPE
C-NV33-SB-04IN-T
SS316 PTFE
MAX. W/T: 6000PSI
MAX. W/T: 240 °C
21178023 IN6

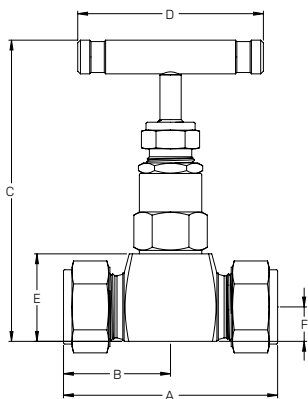
ORDERING INFORMATION 選型表

C -	NV	3	3	OF -	S6 -	02	J -	T -	D6	
產品大類	產品名稱	閥件種類	閥件形式	特殊處理方式	材質	卡套尺寸 (英制)	卡套尺寸 (公制)	連接方式	填料	孔徑
CLASSIFICATION	PRODUCT NAME	VALVE TYPE	VALVE PATTERN	SURFACE TREATMENT	MATERIAL	SIZE (FRACTIONAL)	SIZE (METRIC)	CONNECTION TYPE	PACKING	ORIFICE
C:閥門類	NV:針閥	3:四角	3:直通	OF:禁油 / 氧清潔處理	S6:SS316L	01:1/8"	6:6mm	J:卡套式	T:聚四氟乙烯	D4 :4mm
VALVES	NEEDLE VALVE	BAR STOCK	INLINE PATTERN	OIL FREE				JPE TUBE END	PTFE	
			3FE:直通低逸散			02:1/4"	8:8mm	MR:外螺紋 BSPT		D6 :6mm
			INLINE PATTERN					MALE BSPT THREAD		
			WITH FUGITIVE EMISSION							
			3P:直通附排汙			03:3/8"	10:10mm	FR:內螺紋 BSPT		D8 :8mm
			INLINE PATTERN					FEMALE BSPT THREAD		
			WITH VENT							
			3PFE:直通低逸散附排汙			04:1/2"	12:12mm	MN:外螺紋 NPT		D10:10mm
			INLINE PATTERN					MALE NPT THREAD		
			WITH VENT AND FUGITIVE EMISSION							
						06:3/4"	14:14mm	FN:內螺紋 NPT		D12:12mm
								FEMALE NPT THREAD		
						08:1"	15:15mm			D15:15mm
							16:16mm			*D4 僅適用於尺寸
										1/4" 及 6mm 以下
							18:18mm			
							20:20mm			
							22:22mm			
							25:25mm			

- 如需更換不鏽鋼把手，在 JPE 產品編號後加上 (BSS6)。例：C-NV33OF-S6-02J-T-D6(BSS6)
- 在閥門的使用壽命內，可能需調整填料螺母，以維持完整密封性
- 一段時間內無使用的閥門，把手可能有較高的初始扭力
- 如需選購低逸散款式，在 JPE 產品編號中加上 FE。例：C-NV33FE0F-S6-04J-G-D8
- Change to stainless steel handle. Insert (BSS6) into JPE product name. EX : C-NV33OF-S6-02J-T-D6(BSS6)
- A packing nut adjustment may be required periodically to increase service life and to prevent leakage
- Valves that have not been cycled for a period of time may have a higher initial actuation torque
- Purchase Fugitive Emission type, insert FE into JPE product name. EX: C-NV33FE0F-S6-04J-G-D8

NV330F / NV33FE0F 氧清潔四角直通針閥 / 低逸散

NV330F / NV33FE0F OIL FREE UNION BONNET NEEDLE VALVES -
INLINE PATTERN / FUGITIVE EMISSION

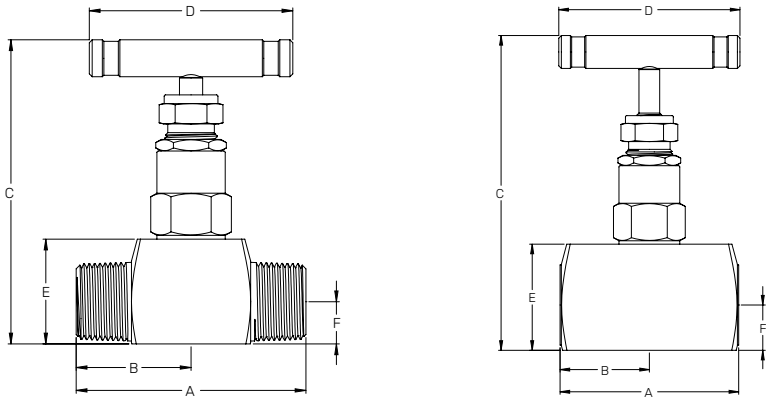


聚四氟乙烯 PTFE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
卡套 JPE TUBE END	公制 Metric	6mm	4	0.16	63	31.5	86	55	25	10
		8mm	6	0.24	69.2	34.6	87.9	55	28	11
		10mm	6	0.24	70.8	35.4	87.9	55	28	11
		12mm	6	0.24	74.4	37.2	87.9	55	28	11
		12mm	8	0.32	89.4	44.7	116.7	70	36	14.5
		14mm	6	0.24	75.8	37.9	87.9	55	28	12.5
		14mm	8	0.32	90.8	45.4	116.7	70	36	14.5
		15mm	6	0.24	76.1	38.1	87.9	55	28	12.5
		15mm	8	0.32	91.1	45.6	116.7	70	36	14.5
		16mm	6	0.24	76.4	38.2	87.9	55	28	12.5
		16mm	8	0.32	91.4	45.7	116.7	70	36	14.5
		18mm	6	0.24	75.8	37.9	87.9	55	28	14
		18mm	8	0.32	90.8	45.4	116.7	70	36	14.5
		18mm	10	0.39	95.8	47.9	138.0	70	41	17.5
		20mm	10	0.39	93.1	46.6	138.0	70	41	17.5
		20mm	12	0.47	98.1	49.1	156.2	100	48	19.5
		22mm	10	0.39	93.7	46.9	138.0	70	41	17.5
		22mm	12	0.47	98.7	49.4	156.2	100	48	19
		25mm	12	0.47	119.8	59.9	156.2	100	48	22.5
	英制 Fractional	1/4"	4	0.16	64	32	86	55	25	10
		3/8"	6	0.24	70.5	35.3	87.9	55	28	11
		1/2"	6	0.24	74.8	37.4	87.9	55	28	11
		1/2"	8	0.32	89.8	44.9	116.7	70	36	14.5
		3/4"	6	0.24	76.9	38.5	87.9	55	28	14
		3/4"	8	0.32	91.9	46	116.7	70	36	14.5
		3/4"	10	0.39	96.9	48.5	138.0	70	41	17.5
		1"	12	0.47	119.8	59.9	156.2	100	48	22.5

NV330F / NV33FE0F 氧清潔四角直通針閥 / 低逸散

NV330F / NV33FE0F OIL FREE UNION BONNET NEEDLE VALVES -
INLINE PATTERN / FUGITIVE EMISSION



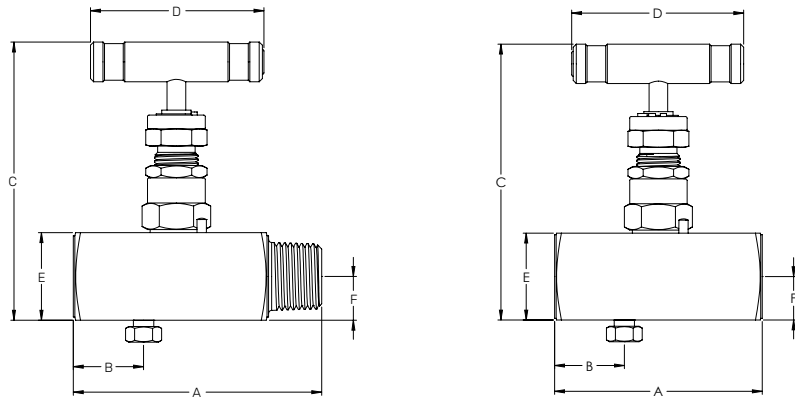
聚四氟乙烯 PTFE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
外螺紋 MALE THREAD	英制 Fractional	1/4"	4	0.16	51	25.5	86	55	25	11.5
		3/8"	6	0.24	55	27.5	87.9	55	28	12.5
		1/2"	6	0.24	61	30.5	87.9	55	28	14
		3/4"	8	0.32	79	39.5	116.7	70	36	14.5
		1"	12	0.47	95	47.5	156.2	100	48	22.5
內螺紋 FEMALE THREAD		1/4"	6	0.24	57	28.5	87.9	55	28	12.5
		3/8"	6	0.24	61	30.5	87.9	55	28	12.5
		3/8"	8	0.32	70	35.0	116.7	70	36	14.5
		1/2"	6	0.24	67	33.5	87.9	55	28	14
		1/2"	8	0.32	70	35.0	116.7	70	36	14.5
		3/4"	6	0.24	70	35.0	87.9	55	32	16
		3/4"	8	0.32	69	34.5	116.7	70	41	17.5
		3/4"	10	0.39	69	34.5	138.0	70	41	17.5
		1"	12	0.47	83	41.5	156.2	100	48	22.5

- 除非另有說明，否則所有尺寸單位均為 mm。
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NV33POF / NV33PFE0F 氧清潔四角直通附排汙針閥 / 低逸散

NV33POF / NV33PFE OF OIL FREE UNION BONNET NEEDLE VALVES WITH VENT -
INLINE PATTERN / FUGITIVE EMISSION



聚四氟乙烯 PTFE

類型 Type		連接尺寸 Conn./Size	流孔孔徑 Orifice		尺寸表 Dimensions (mm)					
		進口 / 出口尺寸 Inlet/Outlet	mm	in.	A	B	C	D	E	F
內外螺紋 FEMALE THREAD x MALE THREAD	英制 Fractional	3/8"	6	0.24	78	22.5	88	55	28	12.5
		1/2"	6	0.24	85.5	24.5	88	55	28	14
內螺紋 FEMALE THREAD	英制 Fractional	1/2"	6	0.24	67	23	88	55	28	14

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MEMO

Date / /