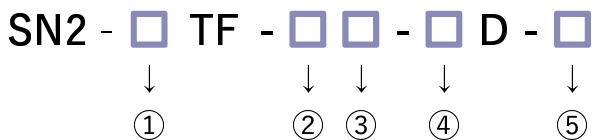


針形閥 (Needle Valves)

- 手閥可回轉4次，可進行精密的流量調整。
- 接流體部為氟化乙烯樹脂(PTFE)，抗腐蝕。
- 低粉塵清理(高面粗度加工、精密洗淨、平面構造)。
- MRM獨自的安全構造(熱循環對策)。



型番表示方法 (How to order)



型番選擇例子 (Model Number Selection example)

SN2-015TF-SB-5.0D-B
: 1/2"(×3/8"), Pillar Super 300, 0~5.0L/min, Bottom mounting

◎ : 標準在庫品 (Standard stock)
○ : 受注生産品 (Made to order)
— : 無在庫 (Not stock)

① 閥尺寸 (Valve size)		008		010		015	
	mm	Φ6×Φ4, N4		Φ10×Φ8, N8		Φ12×Φ10, N10	
	Inch	1/4"(×5/32")		3/8"(×1/4")		1/2"(×3/8")	
② 接續方式 (Connection method)		mm	inch	mm	inch	mm	inch
F	Flowell 20series	○	○※1	○	○	○	○
FA	Flowell 20Aseries	—	—	○	○	○	○
R	Flowell 60series	○	○	○	○	○	○
H	Flowell 80series	○	○	○	○	○	○
P	Pillar Super fitting	○	○	○	○	○	○
S	Pillar Super 300	◎	◎	○	○	○	○
L	Pillar Super flare	○	○	○	○	○	○
K	Kurabo Final lock	○	○	○	○	○	○
C	Kurabo K-Fitter	○	○	○	○	○	○
B	Bueno Fit-One	○	○	○	○	○	○
X	Flare Type	—	○	—	○	—	○
NL	Yodogawa Nano Link system	○※2	—	○※2※3	—	○※2	—
T	Tube Type	○	○	○	○	○	○

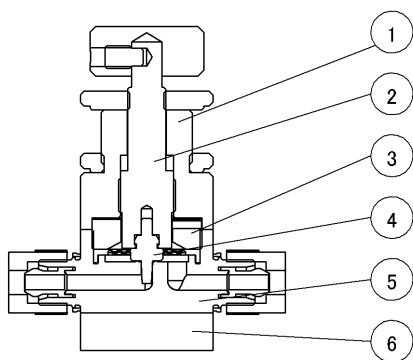
③ 管道規格 (Tube Standard)	
A	mm
B	inch

⑤ 固定 (Mounting)	
(No sign)	法蘭固定 (Flange mounting)
B	底面固定 (Bottom mounting)

④ 調整範圍 (Adjustment range) ※3	
1.5	0~1.5L/min
2.5	0~2.5L/min
3.5	0~3.5L/min
5.0	0~5.0L/min
7.5	0~7.5L/min

注記 (Note)
 ※1: 配管尺寸為1/4"(×Φ4.3)。
 ※2: 管道的規格並不記載，只以NL記載。(例) N8: 10TF-NL
 ※3: 關於N6尺寸的詳情，請另行諮詢。
 ※3: 差壓在0.3MPa時屬於調整範圍內。

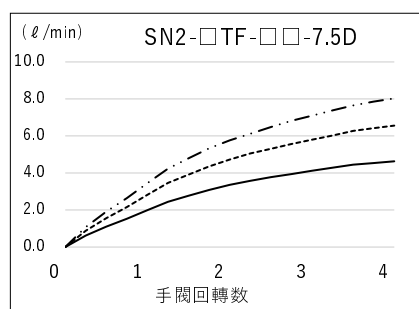
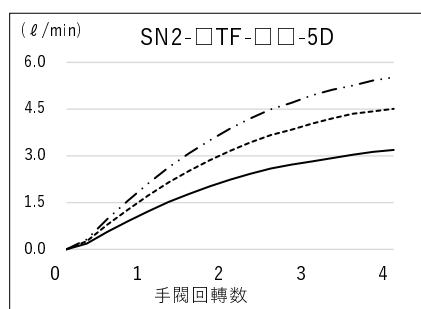
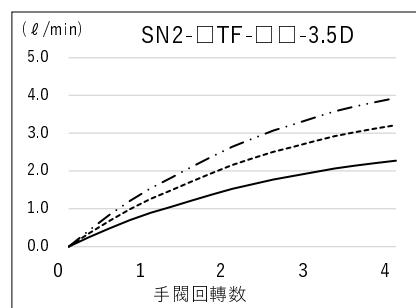
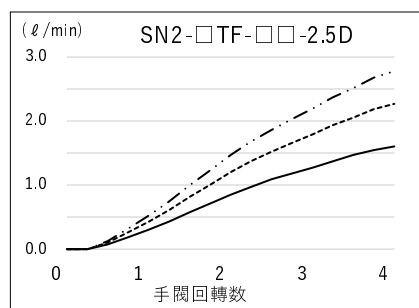
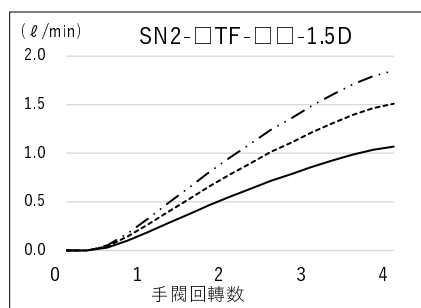
內部構造 (Internal structure)



品番 (No)	零件名 (Parts name)	材質 (Material)
①	外殼 (Case)	PP
②	升降件 (Shaft)	PP
③	填料式旋塞閥 (Stuffing)	PP
④	薄膜 (Diaphragm)	PTFE
⑤	本體 (Body)	PTFE
⑥	底座 (Base)	PP

規格 (Specifications)

使用流體 (Fluid)	化學品・純水・氣體 (Chemical liquid, DIW, Gas) ※1	
流體溫度 (Fluid temperature range)	10~100°C	
大氣溫度 (Atmospheric temperature)	0~40°C	
接觸液體部分的材質 (Materials of liquid flowed parts)	本體 (Body)	: PTFE
	薄膜 (Diaphragm)	: PTFE
操作方式 (Operating system)	手動式 (Manual type)	
調整範圍 (Adjustment range)	1.5D/2.5D/3.5D	5.0D/7.5D
通氣孔 (Orifice)	Φ3	Φ5
流體壓力 (Fluid pressure range)		
0.3MPa規格 (0.3MPa specification)	IN→OUT	0~0.3MPa
	背壓 (Back pressure)	0~0.1MPa



····· 0.3MPa
 - - - - 0.2MPa
 ——— 0.1MPa

注記 (Note)

※1: 氣體在最大1cm³/min時, 有發生閥底洩露之可能性。

PFA

Flare Type
Flowell 60series

Pillar Super 300
Pillar Super flare

PTFE

Tube Fitting

PTFE
(HI-TEMP)

Tube Fitting

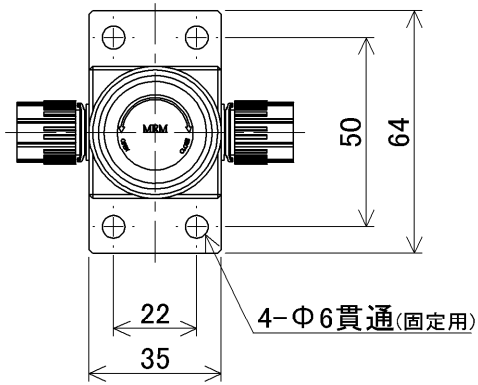
Other

Union

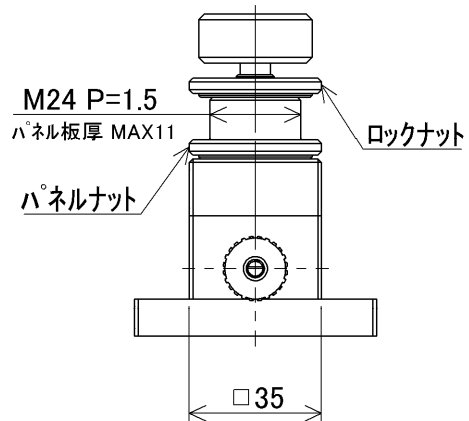
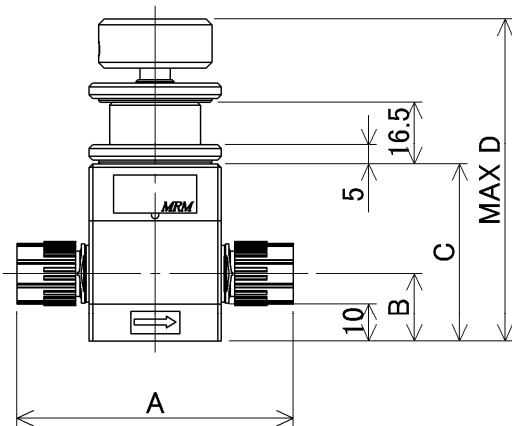
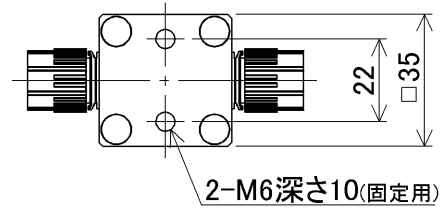
尺寸 (Dimensions)

- ▶ $\Phi 6 \times \Phi 4$, N4
- ▶ 1/4" ($\times 5/32$ ")

SN2 - 008 TF - □ □ - □ D - □



底面取付 (Bottom mounting)

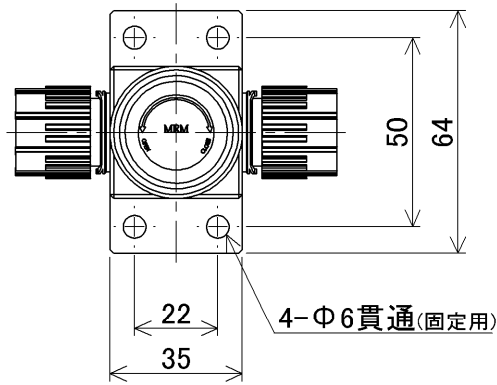


接続方式 (Connection method)	A	B	C	D
Flowell 20series	69	16	45	87.5
Flowell 60series	97	16	45	87.5
Flowell 80series	75	18	47	89.5
Pillar Super fitting	74	18	47	89.5
Pillar Super 300	73	18	47	89.5
Pillar Super flare	72.8	18	47	89.5
Kurabo Final lock	76	18	47	89.5
Kurabo K-Fitter	75	18	47	89.5
Bueno Fit-One	82	18	47	89.5
Flare Type	93	18	47	89.5
Nano Link system	57.4	18	47	89.5
Tube Type	69	16	45	87.5

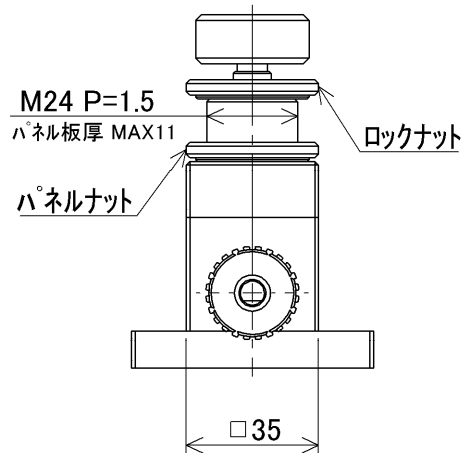
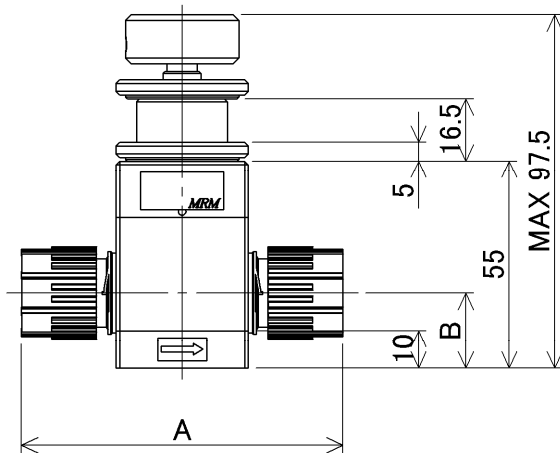
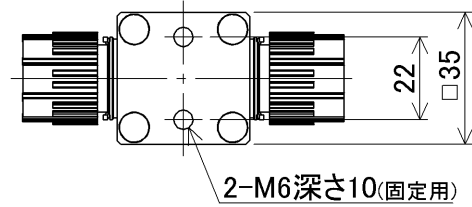
尺寸 (Dimensions)

- ▶ $\Phi 10 \times \Phi 8$, N8
- ▶ $3/8"$ ($\times 1/4"$)

SN2 - 010 TF - □□ - □D - □



底面取付 (Bottom mounting)



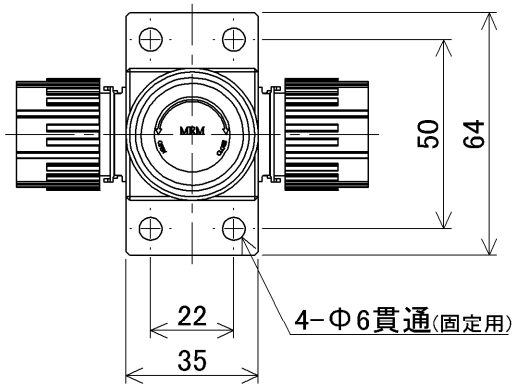
接続方式 (Connection method)	A	B
Flowell 20series	77	20
Flowell 20Aseries	77	20
Flowell 60series	113	20
Flowell 80series	86	22
Pillar Super fitting	88	20
Pillar Super 300	85	20
Pillar Super flare	84.6	20
Kurabo Final lock	93	22
Kurabo K-Fitter	75	20
Bueno Fit-One	90.4	22
Flare Type	98.6	20
Nano Link system	69.8	22
Tube Type	83	20

PFA	Flare Type Flowell 60series	Pillar Super 300 Pillar Super flare	PTFE	Tube Fitting	PTFE (HI-TEMP)	Tube Fitting	Other	Union
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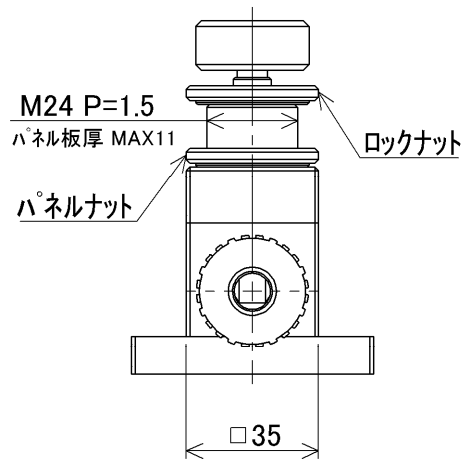
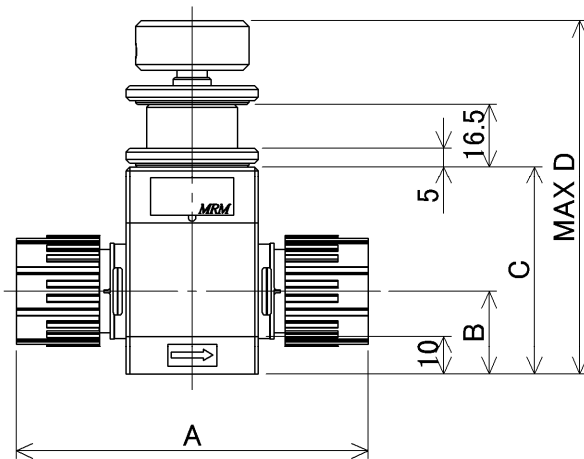
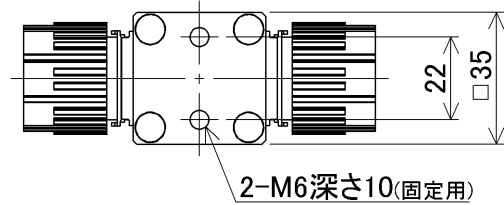
尺寸 (Dimensions)

- ▶ $\Phi 12 \times \Phi 10$, N10
- ▶ 1/2" (×3/8")

SN2 - **015** TF - □□ - □D - □



底面取付 (Bottom mounting)



接続方式 (Connection method)	A	B	C	D
Flowell 20series	85	20	55	97.5
Flowell 20Aseries	85	20	55	97.5
Flowell 60series	113	20	55	97.5
Flowell 80series	93	24	57	99.5
Pillar Super fitting	95	22	55	97.5
Pillar Super 300	93	22	55	97.5
Pillar Super flare	92.6	22	55	97.5
Kurabo Final lock	95	22	55	97.5
Kurabo K-Fitter	81	20	55	97.5
Bueno Fit-One	99	22	55	97.5
Flare Type	102.6	20	55	97.5
Nano Link system	72.2	24	57	99.5
Tube Type	85	20	55	97.5

PFA	Flare Type Flowell 60series	Pillar Super 300 Pillar Super flare	PTFE	Tube Fittings	PTFE (HI-TEMP)	Tube Fittings	Other	Union
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