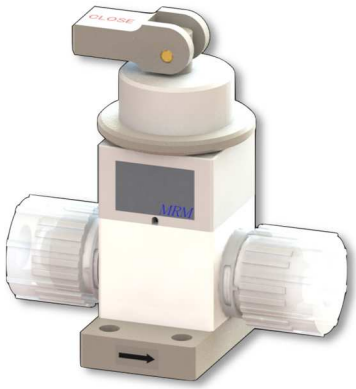
肘节阀 (Toggle Valves)

- 可对应各种连接方式。
- 接流体部全部都是氟化乙烯树脂(PFA/PTFE)，抗腐蚀。
- 超低粉尘清理(表面粗糙度加工、精密洗净、平面构造)。
- MRM独自的安全构造(高压对策及热循环处理)。



型号表示方法 (How to order)

STP2 - □ TF - □ □ - □ - □

① ② ③ ④ ⑤

型号选定例 (Model Number Selection example)

STP2-15TF-SB-B-5K
: 1/2"(×3/8"), Pillar Super 300, Bottom mounting, 0.5MPa specification

◎：标准在库品 (Standard stock)
○：受注生产品 (Made to order)
—：无在库 (Not stock)

① 阀门尺寸 (Valve size)		10		15		20	
	mm	Φ10×Φ8, N8		Φ12×Φ10, N10		Φ19×Φ16, N16	
	inch	3/8"(×1/4")		1/2"(×3/8")		3/4"(×5/8")	
② 连接方式 (Connection method)		mm	inch	mm	inch	mm	inch
F	Flowell 20series	◎ ※1	◎ ※1	◎ ※1	◎ ※1	◎ ※1	◎ ※1
FA	Flowell 20Aseries	◎ ※1	◎ ※1	◎ ※1	◎ ※1	◎ ※1	◎ ※1
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	—	○ ※2	—
T	Tube Type	○	○	○	○	○	○

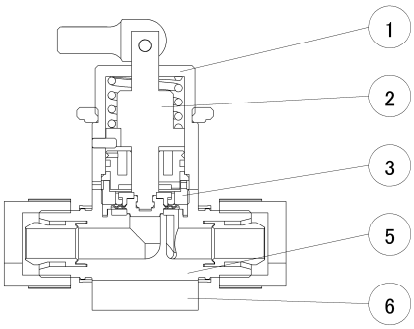
③ 管道规格 (Tube Standard)	
A	mm
B	inch

④ 固定 (Mounting)	
(No sign)	法兰固定 (Flange mounting)
B	底座固定 (Bottom mounting)

⑤ 流体压力 (Fluid pressure range)	
(No sign)	0.3MPa规格 (0.3MPa specification)
5K	0.5MPa规格 (0.5MPa specification)
7K	0.7MPa规格 (0.7MPa specification)

注释 (Note)
※1：0.5/0.7MPa规格为受注生产品。
※2：管道规格不记载，只记载NL。(例) N8：10TF-NL

内部构造 (Internal structure) ※1



品名 (No)	零件名 (Parts name)	材质 (Material)
①	零件 (Case)	PP ※2
②	升降 (Shaft)	PP
③	填料式旋塞阀 (Stuffing)	PP
④	薄膜 (Diaphragm)	PTFE
⑤	本体 (Body)	PTFE
⑥	底座 (Base)	PP

规格 (Specifications)

使用流体 (Fluid)	化学品・纯水・气体 (Chemical liquid, DIW, Gas) ※3	
流体温度 (Fluid temperature range)	10～100°C	
大气温度 (Atmospheric temperature)	0～40°C	
液体流动部分的材质 (Materials of liquid flowed parts)	本体 (Body)	: PTFE
	薄膜 (Diaphragm)	: PTFE
操作方式 (Operating system)	手动肘节式 (Toggle type)	

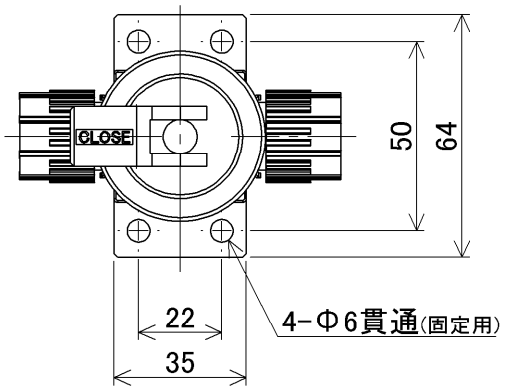
阀门尺寸 (Valve size)			10 (3/8")	15 (1/2")	20 (3/4")
流通孔 (Orifice)			Φ8	Φ10	Φ16
流体压力 (Fluid pressure range)					
	0.3MPa规格 (0.3MPa specification)	IN→OUT	0～0.3MPa		
		背压 (Back pressure)	0～0.3MPa		0～0.2MPa
	0.5MPa规格 (0.5MPa specification)	IN→OUT	0～0.5MPa		
		背压 (Back pressure)	0～0.5MPa		
	0.7MPa规格 (0.7MPa specification)	IN→OUT	0～0.7MPa		
		背压 (Back pressure)	0～0.7MPa		

注释 (Note)
※1 : 0.3MPa规格和0.5/0.7MPa规格在形状上有部分不同。
※2 : 阀门尺寸10"和"15"的0.3MPa规格的材质为PVDF。
※3 :气体在最大1cm³/min的时候，有可能会发生阀底座泄露。

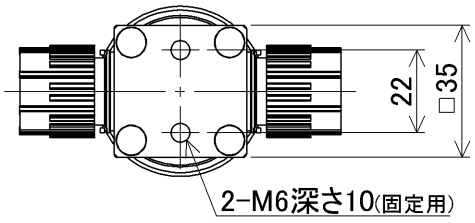
尺寸 (Dimensions)

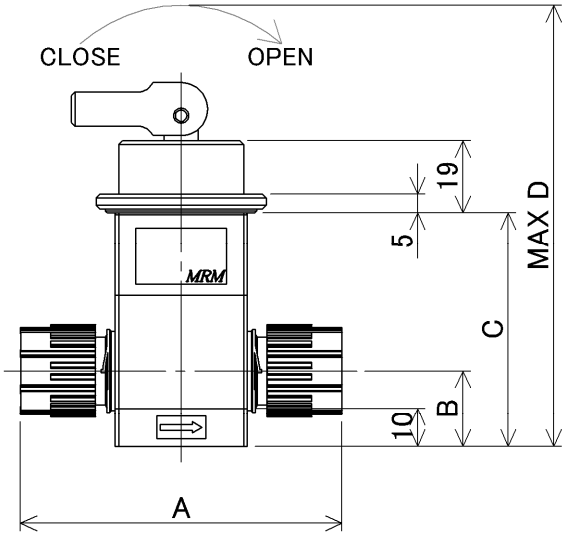
- ▶ Φ10×Φ8 , N8
- ▶ 3/8"(×1/4")

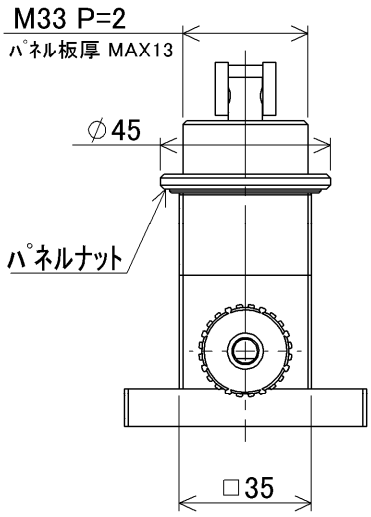
STP2 - 10 TF - □□ - □ - □



底面取付 (Bottom mounting)







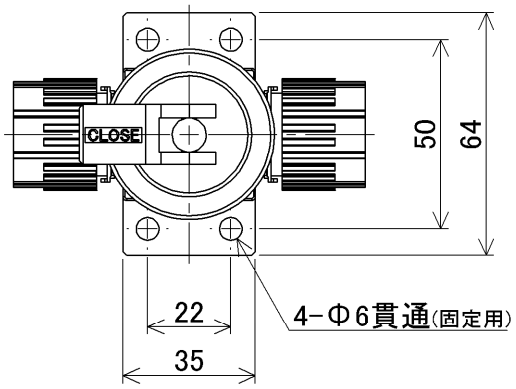
0.5MPa及0.7MPa規格

連接方式 (Connection method)	A	B	C	D	C	D
Flowell 20series	77	20	62	117	75.3	130.3
Flowell 20Aseries	77	20	62	117	75.3	130.3
Flowell 60series	113	20	62	117	75.3	130.3
Flowell 80series	86	22	62	117	75.3	130.3
Pillar Super fitting	88	20	62	117	75.3	130.3
Pillar Super 300	85	20	62	117	75.3	130.3
Pillar Super flare	84.6	20	62	117	75.3	130.3
Kurabo Final lock	93	22	62	117	75.3	130.3
Kurabo K-Fitter	75	20	62	117	75.3	130.3
Bueno Fit-One	90.4	22	62	117	75.3	130.3
Flare Type	98.6	20	62	117	75.3	130.3
Nano Link system	69.8	22	62	117	75.3	130.3
Tube Type	83	20	62	117	75.3	130.3

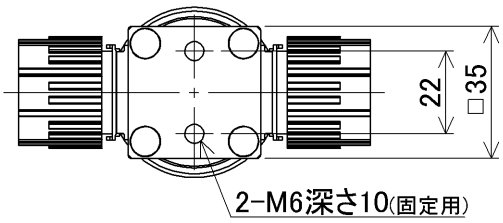
尺寸 (Dimensions)

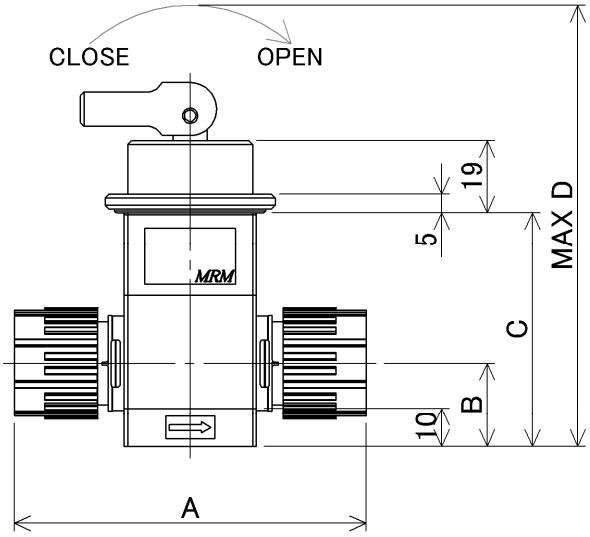
- ▶ Φ12×Φ10 , N10
- ▶ 1/2"(×3/8")

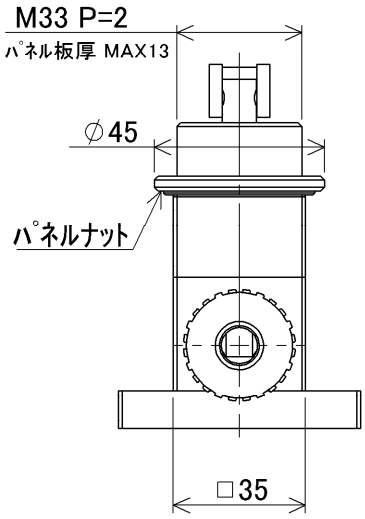
STP2 - 15 TF - □□ - □ - □



底面取付 (Bottom mounting)







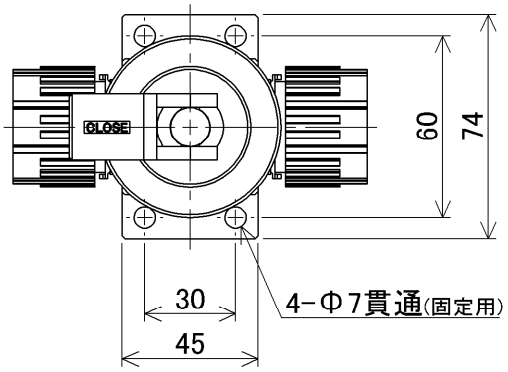
0.5MPa及0.7MPa规格

连接方式 (Connection method)	A	B	C	D	C	D
Flowell 20series	85	20	62	117	78.3	133.3
Flowell 20Aseries	85	20	62	117	78.3	133.3
Flowell 60series	113	20	62	117	78.3	133.3
Flowell 80series	93	24	64	119	80.3	135.3
Pillar Super fitting	95	22	62	117	78.3	133.3
Pillar Super 300	93	22	62	117	78.3	133.3
Pillar Super flare	92.6	22	62	117	78.3	133.3
Kurabo Final lock	95	22	62	117	78.3	133.3
Kurabo K-Fitter	81	20	62	117	78.3	133.3
Bueno Fit-One	99	22	62	117	78.3	133.3
Flare Type	102.6	20	62	117	78.3	133.3
Nano Link system	72.2	24	64	119	80.3	135.3
Tube Type	85	20	62	117	78.3	133.3

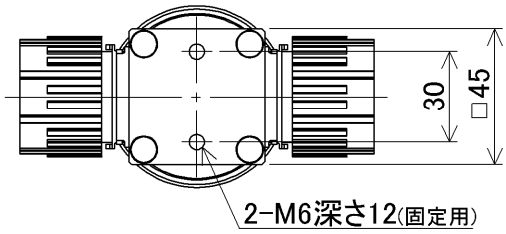
尺寸 (Dimensions)

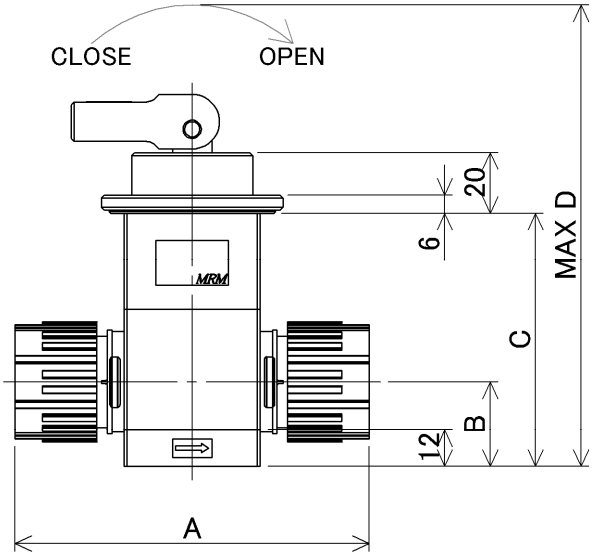
▶ Φ19×Φ16 , N16
▶ 3/4"(×5/8")

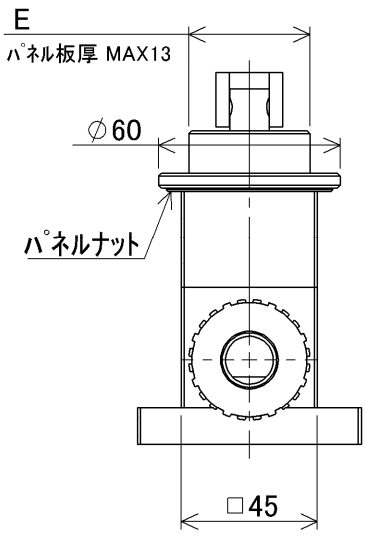
STP2 - 20 TF - □□ - □ - □



底面取付 (Bottom mounting)







0.5MPa及0.7MPa規格

連接方式 (Connection method)	A	B	C	D	E	C	D	E
Flowell 20series	107	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Flowell 20Aseries	107	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Flowell 60series	133	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Flowell 80series	118	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Pillar Super fitting	124	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Pillar Super 300	117	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Pillar Super flare	116.6	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Kurabo Final lock	114	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Kurabo K-Fitter	99	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Bueno Fit-One	127	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Flare Type	118.6	28	84	153	M40 P=2	105.5	174.5	M44 P=2
Nano Link system	90.6	30	86	155	M40 P=2	107.5	174.5	M44 P=2
Tube Type	105	28	84	153	M40 P=2	105.5	174.5	M44 P=2

STP