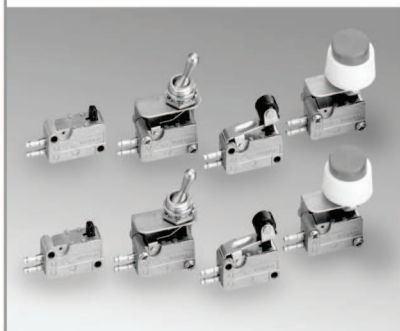


Válvulas de acionamento mecânico e manual. 3/2 vias NF - Tubo ø2,5x4 Série VM1000

- Espessura da válvula 11 mm.



Estrutura miniatura que requer pouco espaço de montagem.
Conexão tipo espigão.
Opções de conexão: Lateral
Inferior

Referência	Símbolo	Tipo de acionamento	Pressão de funcionamento	Vazão (Nl/min)
VM1000-4NU-00		Válvula básica	0 ~ 8 bar	54
VM1000-4NU-01		Com rolete metálico		
VM1000-4NU-02		Com rolete metálico escamoteável		
VM1000-4NU-08		Alavanca com trava		
VM1000-4NU-32R		Botão raso vermelho		
VM1000-4NU-32B		Botão raso preto		

Outros tipos de acionamento, consultar a SMC.

Características técnicas

Tipo de válvula	Cabeçote móvel N.F.
Número de vias	2 ou 3
Curso total de acionamento	4.8mm (Básico)
Conexões	Lateral ou inferior
Fluido	Ar
Pressão de funcionamento	5 a 0.8MPa
Temp. ambiente e do fluido	-5 a 60°C (Sem congelação)
Área efetiva (Nl/mín)	1mm ² (49.03)
Lubrificação	Não necessário
Conexão	Tipo espigão
Peso (Básico)	6g

Opções

Curso necessário de accionamento (T.T.)	2.5mm (Básico)
---	----------------

- É possível instalar qualquer atuador para microswitch V disponível no mercado.
- No entanto, tenha cuidado porque existem diferentes tipos de micro detectores, como os P.T./O.T. ou F.O.F.
- O curso necessário de acionamento de 2.5mm está disponível apenas para o modelo básico.

Modelo

	Acionamento	Conexão	Nº. de vias	Tubo aplicável		Observações
				T0425	TU0425/T0403	
Acionamento mecânico	Básico	Lateral	3	VM1000-4N-00	VM1000-4NU-00	
			2	VM1100-4N-00	VM1100-4NU-00	
			3	VM1010-4N-00	VM1010-4NU-00	
		Inferior	2	VM1110-4N-00	VM1110-4NU-00	
			3	VM1000-4N-01	VM1000-4NU-01	
			2	VM1100-4N-01	VM1100-4NU-01	
	Rolete metálico	Lateral	3	VM1010-4N-01	VM1010-4NU-01	
			2	VM1110-4N-01	VM1110-4NU-01	
		Inferior	3	VM1000-4N-02	VM1000-4NU-02	
			2	VM1100-4N-02	VM1100-4NU-02	
			3	VM1010-4N-02	VM1010-4NU-02	
			2	VM1110-4N-02	VM1110-4NU-02	
Acionamento manual	Alavanca com trava	Lateral	3	VM1000-4N-08	VM1000-4NU-08	
			2	VM1100-4N-08	VM1100-4NU-08	
			3	VM1010-4N-08	VM1010-4NU-08	
		Inferior	2	VM1110-4N-08	VM1110-4NU-08	
			3	VM1000-4N-32R	VM1000-4NU-32R	Vermelho
			2	VM1100-4N-32R	VM1100-4NU-32R	Vermelho
	Botão	Lateral	3	VM1010-4N-32R	VM1010-4NU-32R	Vermelho
			2	VM1110-4N-32R	VM1110-4NU-32R	Vermelho
		Inferior	3	VM1000-4N-32B	VM1000-4NU-32B	Preto
			2	VM1100-4N-32B	VM1100-4NU-32B	Preto
			3	VM1010-4N-32B	VM1010-4NU-32B	Preto
			2	VM1110-4N-32B	VM1110-4NU-32B	Preto
		Lateral	3	VM1000-4N-32G	VM1000-4NU-32G	Verde
			2	VM1100-4N-32G	VM1100-4NU-32G	Verde
			3	VM1010-4N-32G	VM1010-4NU-32G	Verde
		Inferior	2	VM1110-4N-32G	VM1110-4NU-32G	Verde
			3	VM1000-4N-32G	VM1000-4NU-32G	Verde
			2	VM1100-4N-32G	VM1100-4NU-32G	Verde

Como pedir

VM1 0 0 0 4N 00 R

• **Tubo aplicável (Material/dimensão)**

4N	Nylon $\varnothing 4/2.5$ (T0425)
	Nylon $\varnothing 4/3$ (T0403)
4NU	Soft-nylon $\varnothing 4/2.5$ (TS0425)
	Poliuretano $\varnothing 2.5$ (TU0425)

• **Curso de acionamento/básica (T.T.)**

0	4.8mm
1	2.5mm (Opcional)*

*Apenas básica.

• **Acionamento**

00	Básico
01	Roleta metálico
02	Roleta metálico escamoteável
08	Alavanca com trava
32	Botão

• **Cor do botão**

R	Verm.
G	Verde
B	Preto

• **Conexão**

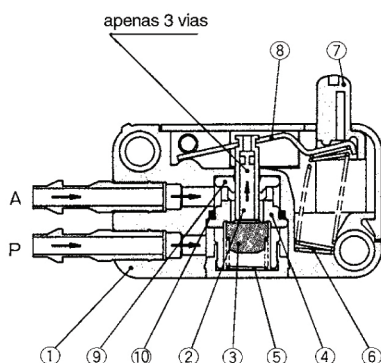
0	Lateral
1	Inferior

• **Número de vias**

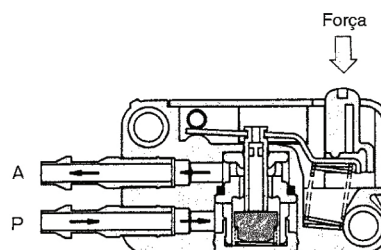
0	3 vias
1	2 vias

Construção

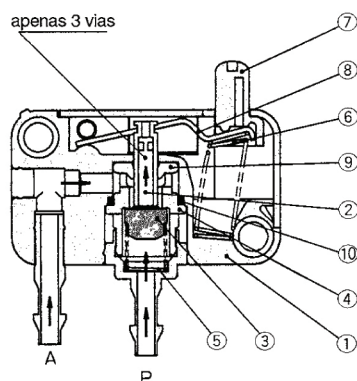
Conexão lateral/Não acionado



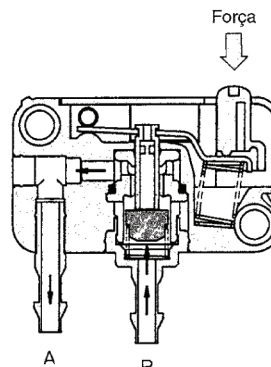
Conexão lateral/Acionado



Conexão inferior



Conexão inferior/Acionado



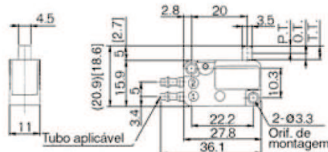
Listagem de peças

Nº.	Descrição	Material	Observações
①	Corpo	PBT	
②	Êmbolo da válvula	Poliacetel	
③	Válvula	NBR	
④	Retentor	Poliacetel	
⑤	Mola	Aço inoxidável	

Nº.	Descrição	Material	Observações
⑥	Mola	Aço inoxidável	
⑦	Pino	Poliacetel	T.T.=apenas 2.5mm, c/roscas
⑧	Alavanca	Aço inoxidável	
⑨	Junta	NBR	
⑩	Junta	NBR	

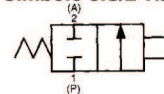
Série VM1000/Conexão lateral

Básico/VM1000-4N-00, VM1000-4NU-00
VM1100-4N-00, VM1100-4NU-00

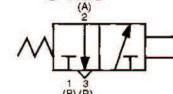


[]: T.T.=2.5mm

Símbolo JIS/2 vias



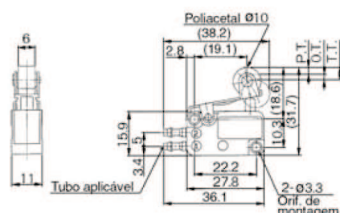
3 vias



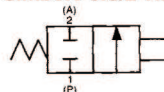
* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão lateral	3 vias	VM1000-4N-00	VM1000-4NU-00
	2 vias	VM1100-4N-00	VM1100-4NU-00
F.O.F.*		6N	
P.T.		2.5mm[2mm]	
O.T.		2.3mm[0.5mm]	
T.T.		4.8mm[2.5mm]	

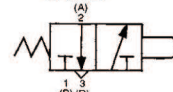
Rolete metálico/VM1000-4N-01, VM1000-4NU-01
VM1100-4N-01, VM1100-4NU-01



Símbolo JIS/2 vias



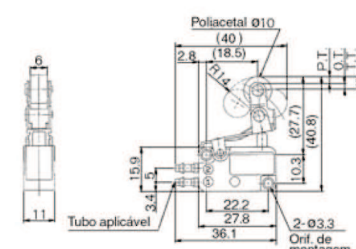
3 vias



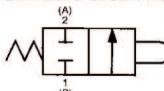
* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão lateral	3 vias	VM1000-4N-01	VM1000-4NU-01
	2 vias	VM1100-4N-01	VM1100-4NU-01
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2mm	
T.T.		4.5mm	

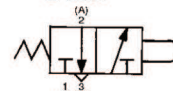
Rolete metálico escamoteável/VM1000-4N-02, VM1000-4NU-02
VM1100-4N-02, VM1100-4NU-02



Símbolo JIS/2 vias



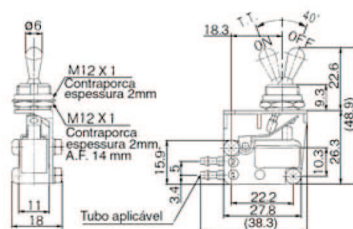
3 vias



* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão lateral	3 vias	VM1000-4N-02	VM1000-4NU-02
	2 vias	VM1100-4N-02	VM1100-4NU-02
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2mm	
T.T.		4.5mm	

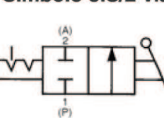
Alavanca com trava/VM1000-4N-08, VM1000-4NU-08
VM1100-4N-08, VM1100-4NU-08



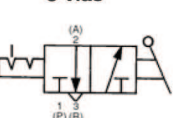
Orif. montagem painel



Símbolo JIS/2 vias



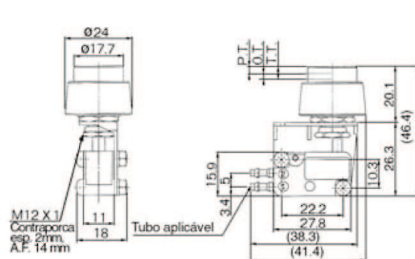
3 vias



* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão lateral	3 vias	VM1000-4N-08	VM1000-4NU-08
	2 vias	VM1100-4N-08	VM1100-4NU-08
F.O.F.*		4N	
P.T.		40°	

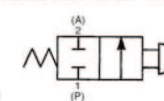
Botão/VM1000-4N-32, VM1000-4NU-32
VM1100-4N-32, VM1100-4NU-32



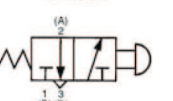
Orif. montagem painel



Símbolo JIS/2 vias



3 vias

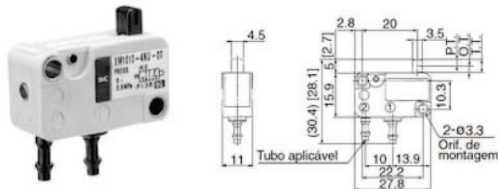


* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão lateral	3 vias	VM1000-4N-32	VM1000-4NU-32
	2 vias	VM1100-4N-32	VM1100-4NU-32
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2mm	
T.T.		4.5mm	

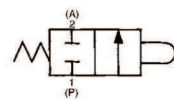
Série VM1000/Conexão inferior

Básico/VM1010-4N-00, VM1010-4NU-00 VM1110-4N-00, VM1110-4NU-00

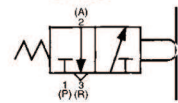


[]: T.T.=2.5mm

Símbolo JIS/2 vias



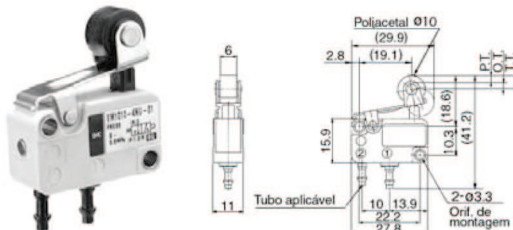
3 vias



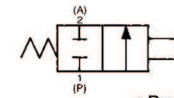
* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão inferior	3 vias	VM1010-4N-00	VM1010-4NU-00
	2 vias	VM1110-4N-00	VM1110-4NU-00
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2.3mm[0.5mm]	
T.T.		4.8mm[2.5mm]	

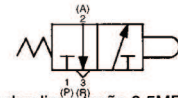
Roleta metálico/VM1010-4N-01, VM1010-4NU-01 VM1110-4N-01, VM1110-4NU-01



Símbolo JIS/2 vias



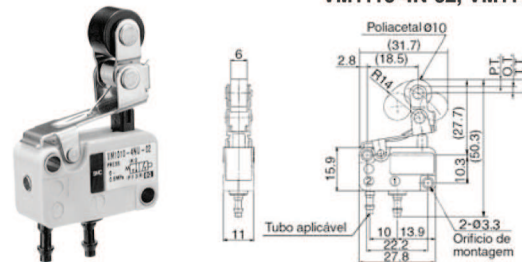
3 vias



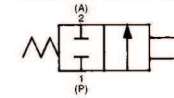
* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão inferior	3 vias	VM1010-4N-01	VM1010-4NU-01
	2 vias	VM1110-4N-01	VM1110-4NU-01
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2mm	
T.T.		4.5mm	

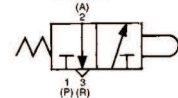
Roleta metálico escamoteável/VM1010-4N-02, VM1010-4NU-02 VM1110-4N-02, VM1110-4NU-02



Símbolo JIS/2 vias



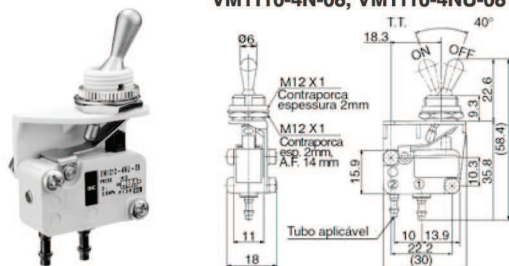
3 vias



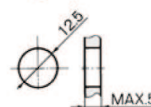
* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão inferior	3 vias	VM1010-4N-02	VM1010-4NU-02
	2 vias	VM1110-4N-02	VM1110-4NU-02
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2mm	

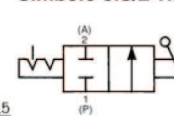
Alavanca com trava/VM1010-4N-08, VM1010-4NU-08 VM1110-4N-08, VM1110-4NU-08



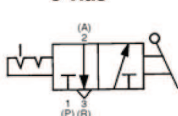
Orif. montagem painel



Símbolo JIS/2 vias



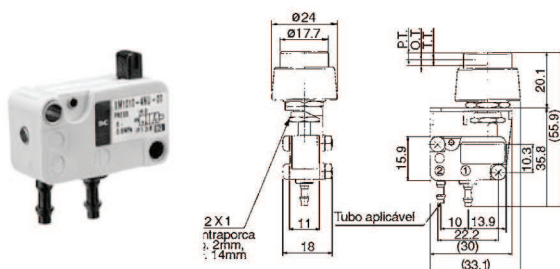
3 vias



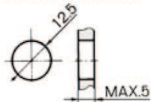
* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão inferior	3 vias	VM1010-4N-08	VM1010-4NU-08
	2 vias	VM1110-4N-08	VM1110-4NU-08
F.O.F.*		4N	
T.T.		40°	

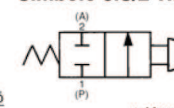
Botão/VM1010-4N-32, VM1010-4NU-32 VM1110-4N-32, VM1110-4NU-32



Orif. montagem painel



Símbolo JIS/2 vias



3 vias

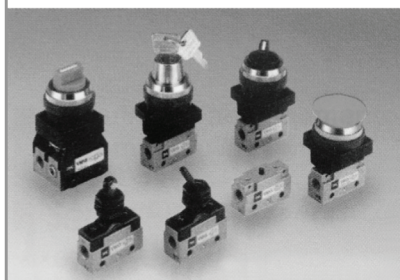


* Pressão de alimentação 0.5MPa

		Tubo aplicável	
		T0425	TU0425, T0403, TS0425
Conexão inferior	3 vias	VM1010-4N-32	VM1010-4NU-32
	2 vias	VM1110-4N-32	VM1110-4NU-32
F.O.F.*		6N	
P.T.		2.5mm	
O.T.		2mm	
T.T.		4.5mm	

Válvulas de acionamento mecânico e manual. 3/2 vias NF - 1/8" Série VM100

- Construídas em alumínio injetado.
- Espessura da válvula 17 mm.



Dimensões compactas.
Opções de conexão: Lateral
Inferior
Grande variedade dos tipos de acionamento.

Características técnicas

Conexão	Conexão lateral	Conexão inferior
Fluido	Ar	
Pressão de funcionamento	-100kPa a 1.0MPa	
Temp. ambiente e do fluido	-5 a 60°C (Sem congelação)	
Área efetiva (N/m²)	2.5mm² (124.81)	
Lubrificante recomendado	Não necessário/óleo de turbina #1 (ISO VG32)	
Rosca	1/8	M5 X 0.8
Peso (Básico)	95g	110g

Modelo

		Conexão lateral		Conexão inferior		Ref.	Aplicação
		2 vias	3 vias	2 vias	3 vias		
Acionamento mecânico	Básico	VM120-01-00	VM130-01-00	VM122-M5-00	VM132-M5-00	—	
		VM121-01-00	VM131-01-00	VM123-M5-00	VM133-M5-00	—	
	Rolete metálico	VM121-01-01	VM131-01-01	VM123-M5-01	VM133-M5-01	—	Rolete de poliacetal
		VM121-01-01S	VM131-01-01S	VM123-M5-01S	VM133-M5-01S	—	Rolete de aço endurecido
	Rolete metálico escamoteável	VM121-01-02	VM131-01-02	VM123-M5-02	VM133-M5-02	—	Rolete de poliacetal
		VM121-01-02S	VM131-01-02S	VM123-M5-02S	VM133-M5-02S	—	Rolete de aço endurecido
	Pino básico	VM120-01-05	VM130-01-05	VM122-M5-05	VM132-M5-05	VM-05B	—
	Pino com rolete longitudinal	VM120-01-06	VM130-01-06	VM122-M5-06	VM132-M5-06	VM-06B	Rolete de poliacetal
		VM120-01-06S	VM130-01-06S	VM122-M5-06S	VM132-M5-06S	VM-06BS	Rolete de aço endurecido
	Pino com rolete transversal	VM120-01-07	VM130-01-07	VM122-M5-07	VM132-M5-07	VM-07B	Rolete de poliacetal
		VM120-01-07S	VM130-01-07S	VM122-M5-07S	VM132-M5-07S	VM-07BS	Rolete de aço endurecido
Acionamento manual	Alavanca com trava	VM120-01-08	VM130-01-08	VM122-M5-08	VM132-M5-08	VM-08B	
	Botão cogumelo	VM120-01-30R	VM130-01-30R	VM122-M5-30R	VM132-M5-30R	VM-30AR	Verm.
		VM120-01-30B	VM130-01-30B	VM122-M5-30B	VM132-M5-30B	VM-30AB	Preto
		VM120-01-30G	VM130-01-30G	VM122-M5-30G	VM132-M5-30G	VM-30AG	Verde
		VM120-01-30Y	VM130-01-30Y	VM122-M5-30Y	VM132-M5-30Y	VM-30AY	Amarelo
	Botão saliente	VM120-01-32R	VM130-01-32R	VM122-M5-32R	VM132-M5-32R	VM-32AR	Verm.
		VM120-01-32B	VM130-01-32B	VM122-M5-32B	VM132-M5-32B	VM-32AB	Preto
		VM120-01-32G	VM130-01-32G	VM122-M5-32G	VM132-M5-32G	VM-32AG	Verde
		VM120-01-32Y	VM130-01-32Y	VM122-M5-32Y	VM132-M5-32Y	VM-32AY	Amarelo
	Botão (raso)	VM120-01-33	VM130-01-33	VM122-M5-33	VM132-M5-33	VM-33A	Com um conjunto de cor vermelha, preta, verde, amarela
	Seletor com trava (2 posições)	VM120-01-34R	VM130-01-34R	VM122-M5-34R	VM132-M5-34R	VM-34AR	Verm.
		VM120-01-34B	VM130-01-34B	VM122-M5-34B	VM132-M5-34B	VM-34AB	Preto
		VM120-01-34G	VM130-01-34G	VM122-M5-34G	VM132-M5-34G	VM-34AG	Verde
		VM120-01-34Y	VM130-01-34Y	VM122-M5-34Y	VM132-M5-34Y	VM-34AY	Amarelo
	Seletor c/ trava e chave (2 pos.)	VM120-01-36	VM130-01-36	VM122-M5-36	VM132-M5-36	VM-36A	
	Seletor com trava (3 posições)	VM131-01-35R	VM151-01-35R	VM133-M5-35R	VM153-M5-35R	—	Verm.
		VM131-01-35B	VM151-01-35B	VM133-M5-35B	VM153-M5-35B	—	Preto
		VM131-01-35G	VM151-01-35G	VM133-M5-35G	VM153-M5-35G	—	Verde
		VM131-01-35Y	VM151-01-35Y	VM133-M5-35Y	VM153-M5-35Y	—	Amarelo

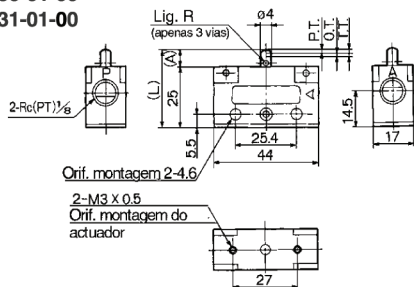
Nota) A substituição do acionamento está disponível para todos os modelos exceto para rolete metálico, rolete metálico escamoteável e seletor com trava de 3 posições.

Como pedir

VM1	3	1		01	01	S	
				Rosca		Acionamento	
				01	1/8	00	Básico
				M5	M5 X 0.8 (Rosca témea)	01	Rolete metálico
						02	Rolete metálico escamoteável
						05	Pino básico
						06	Pino com rolete longitudinal
						07	Pino com rolete transversal
						08	Alavanca com trava
						30	Botão (cogumelo)
						32	Botão (saliente)
						33	Botão (raso)
						34	Seletor com trava (2 posições)
						36	Seletor com trava e chave (2 posições)
						35	Seletor com trava (3 posições)
				Rosca		Sufixo do atuador	
				-	Rc(PT)	S	Rolete de aço endurecido
				F	G(PF)	R	Verm.
				N	NPT	B	Preto
				T	NPTF	G	Verde
						Y	Amarelo
				Comprimento do pino e posição da conexão		Cor do botão	
				0	Longo	Combinção possível: ○, Combinação não possível: X	
				1	Curto		
				2	Longo		
				3	Curto		
				Número de vias		Indicador	
				2	2 vias	Z	C/ indicador miniatura (Apenas conexão inferior.)
				3	3 vias		

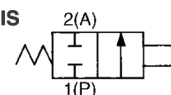
Série VM100/Conexão lateral

Básico/VM120-01-00, VM130-01-00 VM121-01-00, VM131-01-00



Modelo	L	A
VM120-01-00 VM130-01-00	32.5	7.5
VM121-01-00 VM131-01-00	28.5	3.5

Símbolo JIS 2 vias



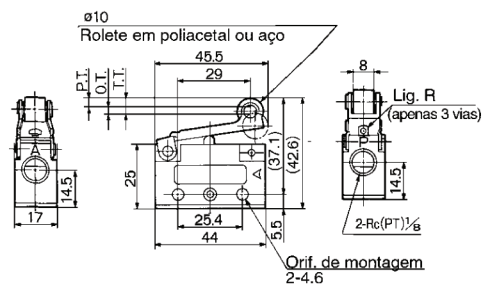
3 vias



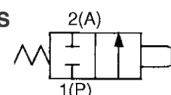
* Pressão de alimentação 0.5MPa

F.O.F.*	20N
P.T.	1.5mm
O.T.	1.5mm
T.T.	3mm

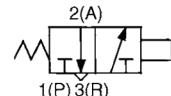
Rolete metálico/VM121-01-01, VM131-01-01 VM121-01-01S, VM131-01-01S



Símbolo JIS 2 vias



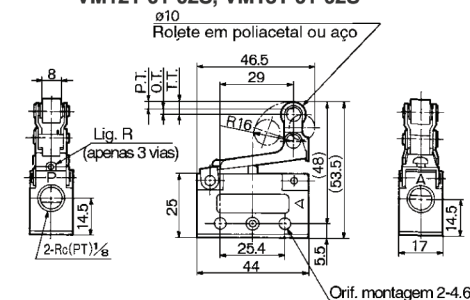
3 vias



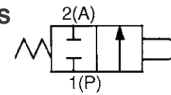
* Pressão de alimentação 0.5MPa

F.O.F.*	10N
P.T.	3.2mm
O.T.	2.3mm
T.T.	5.5mm

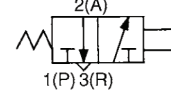
Rolete metálico escamoteável/VM121-01-02, VM131-01-02 VM121-01-02S, VM131-01-02S



Símbolo JIS 2 vias

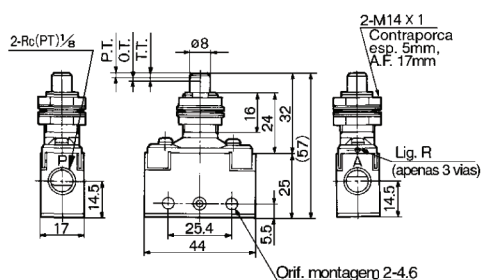


3 vias

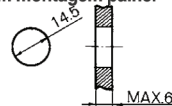


* Pressão de alimentação 0.5MPa

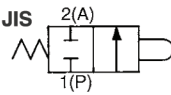
Pino básico/VM120-01-05, VM130-01-05



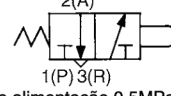
Orif. montagem painel



Símbolo JIS 2 vias



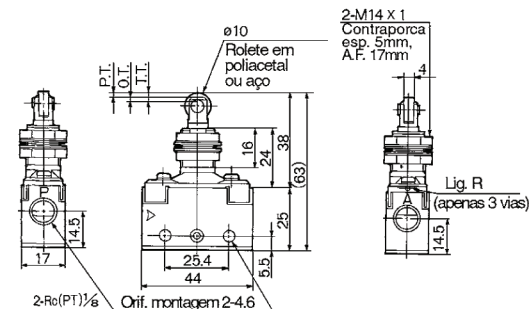
3 vias



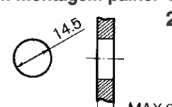
* Pressão de alimentação 0.5MPa

F.O.F.*	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

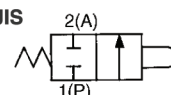
Pino com rolete longitudinal/VM120-01-06, VM130-01-06 VM120-01-06S, VM130-01-06S



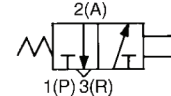
Orif. montagem painel



Símbolo JIS 2 vias



3 vias



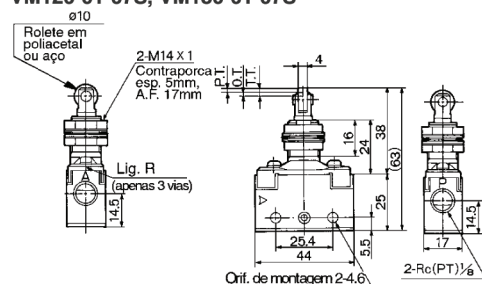
* Pressão de alimentação 0.5MPa

F.O.F.*	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

Série VM100/Conexão lateral

Pino com rolete transversal/VM120-01-07, VM130-01-07

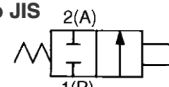
VM120-01-07S, VM130-01-07S



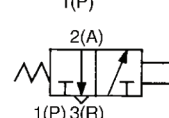
Orif. montagem painel

Símbolo JIS

2 vias



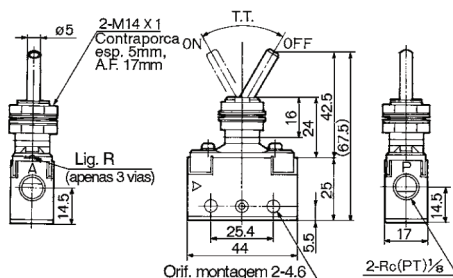
3 vias



* Pressão de alimentação 0.5MPa

F.O.F.*	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

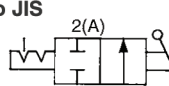
Alavanca com trava/VM120-01-08, VM130-01-08



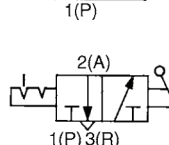
Orif. montagem painel

Símbolo JIS

2 vias



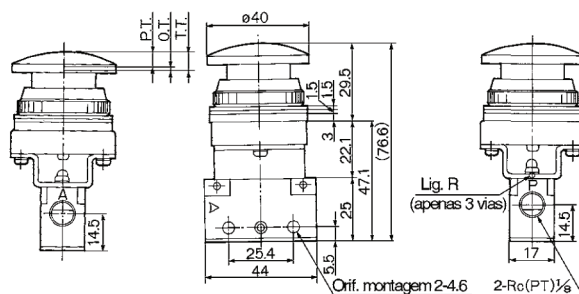
3 vias



* Pressão de alimentação 0.5MPa

F.O.F.*	10N
T.T.	60°

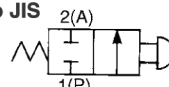
Botão (Cogumelo)/VM120-01-30R, B, G, Y/VM130-01-30R, B, G, Y



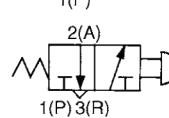
Orif. montagem painel

Símbolo JIS

2 vias



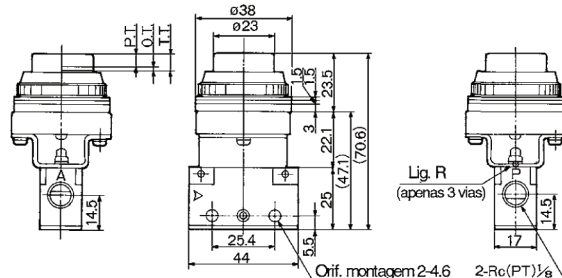
3 vias



* Pressão de alimentação 0.5MPa

F.O.F.*	21N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

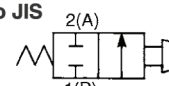
Botão (Saliente)/VM120-01-32R, B, G, Y/VM130-01-32R, B, G, Y



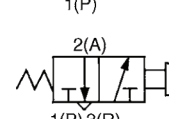
Orif. montagem painel

Símbolo JIS

2 vias



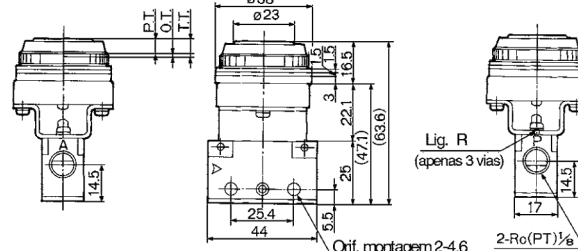
3 vias



* Pressão de alimentação 0.5MPa

F.O.F.*	21N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

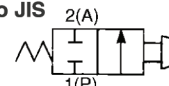
Botão (Raso)/VM120-01-33, VM130-01-33



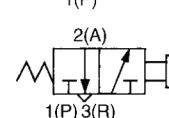
Orif. montagem painel

Símbolo JIS

2 vias



3 vias

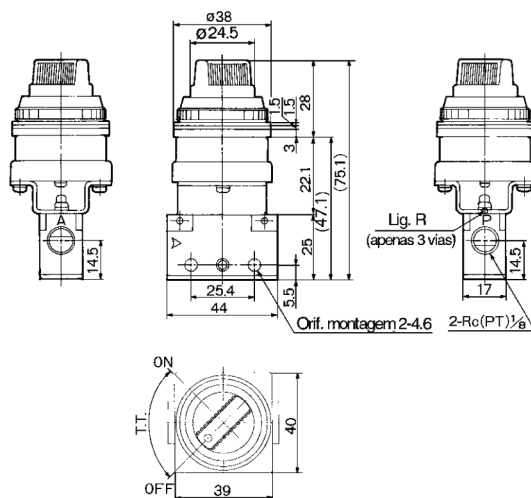


Pressão de alimentação 0.5MPa

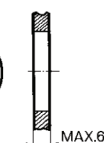
F.O.F.*	21N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Série VM100/Conexão lateral

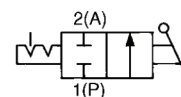
Seletor c/ trava (2 posições)/VM120-01-34R, B, G, Y/VM130-01-34R, B, G, Y



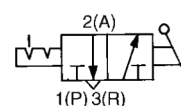
Orif. montagem painel



Símbolo JIS 2 vias



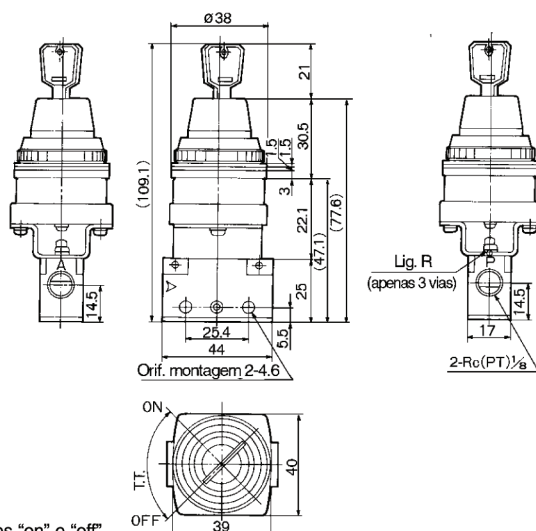
3 vias



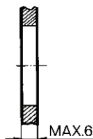
* Pressão de alimentação 0.5MPa

F.O.F.*	15N
T.T.	90°

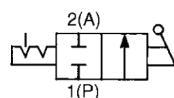
Seletor c/ trava e chave (2 posições)/VM120-01-36, VM130-01-36



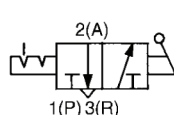
Orif. montagem painel



Símbolo JIS 2 vias



3 vias

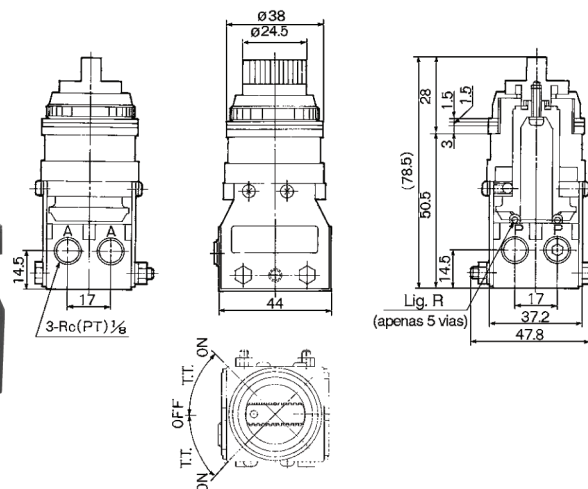


* Pressão de alimentação 0.5MPa

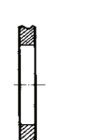
F.O.F.*	15N
T.T.	90°

A chave pode ser retirada nas posições "on" e "off".

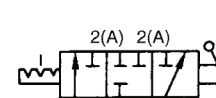
Seletor c/ trava (3 posições)/VM131-01-35R, B, G, Y/VM151-01-35R, B, G, Y



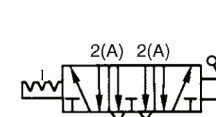
Orif. montagem painel



Símbolo JIS 2 vias



3 vias

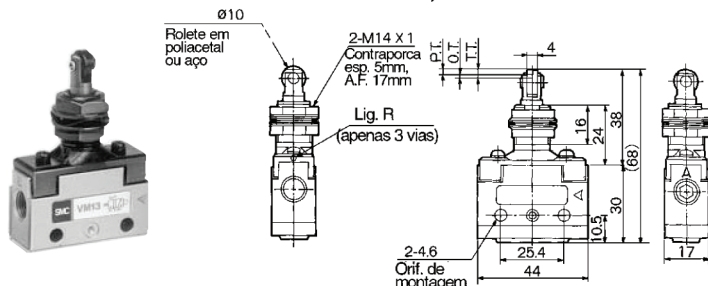


* Pressão de alimentação 0.5MPa

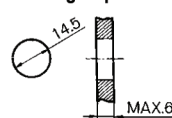
F.O.F.*	15N
T.T.	45°

Série VM100/Conexão inferior

Pino com rolete transversal/VM122-M5-07, VM132-M5-07 VM122-M5-07S, VM132-M5-07S

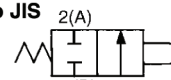


Orif. montagem painel

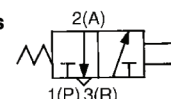


Símbolo JIS

2 vias



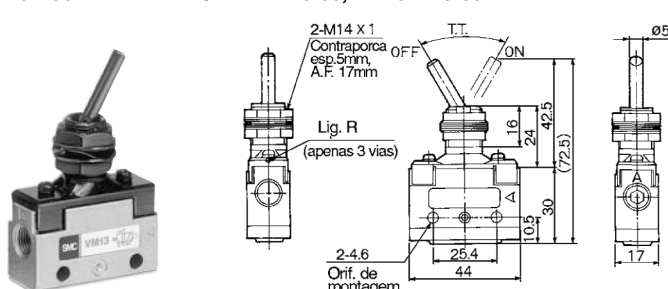
3 vias



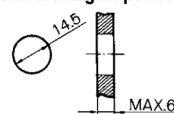
Pressão de alimentação 0.5MPa

F.O.F.	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

Alavanca com trava/VM122-M5-08, VM132-M5-08

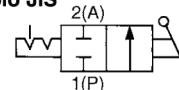


Orif. montagem painel

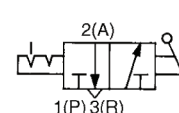


Símbolo JIS

2 vias



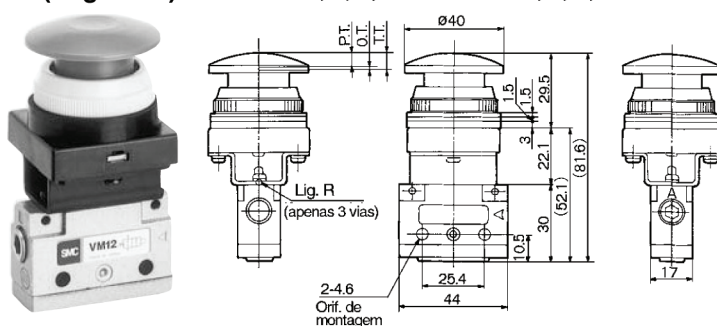
3 vias



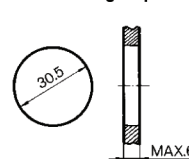
Pressão de alimentação 0.5MPa

F.O.F.	10N
P.T.	60°

Botão (Cogumelo)/VM122-M5-30R, B, G, Y/VM132-M5-30R, B, G, Y

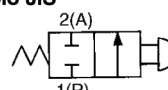


Orif. montagem painel

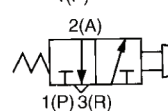


Símbolo JIS

2 vias



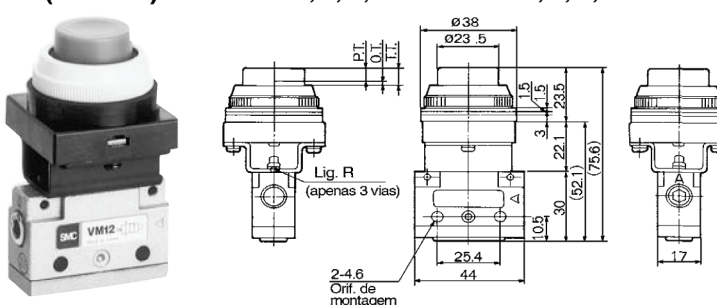
3 vias



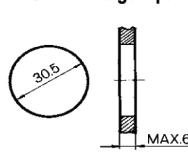
Pressão de alimentação 0.5MPa

F.O.F.	21N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Botão (Saliente)/VM122-M5-32R, B, G, Y/VM132-M5-32R, B, G, Y

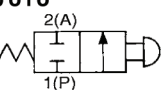


Orif. montagem painel

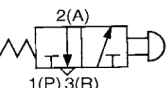


Símbolo JIS

2 vias



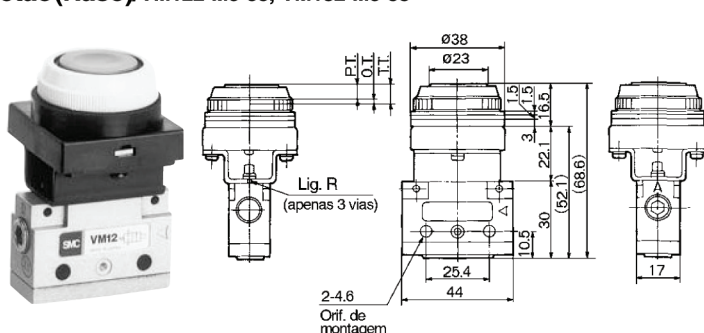
3 vias



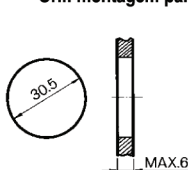
Pressão de alimentação 0.5MPa

F.O.F.	21N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Botão (Raso)/VM122-M5-33, VM132-M5-33

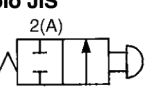


Orif. montagem painel

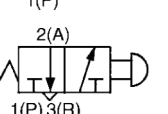


Símbolo JIS

2 vias



3 vias

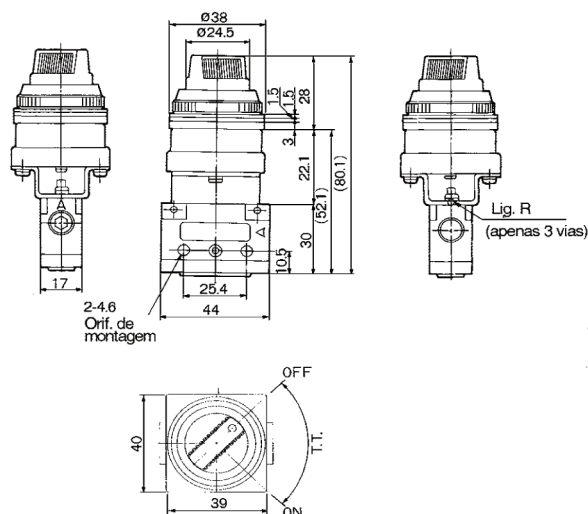


Pressão de alimentação 0.5MPa

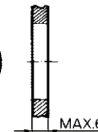
F.O.F.	21N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Série VM100/Conexão inferior

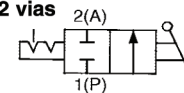
Seletor c/ trava (2 posições)/VM122-M5-34R, B, G, Y/VM132-M5-34R, B, G, Y



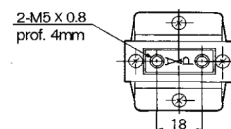
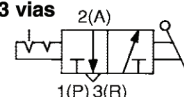
Orif. montagem painel



Símbolo JIS
2 vias



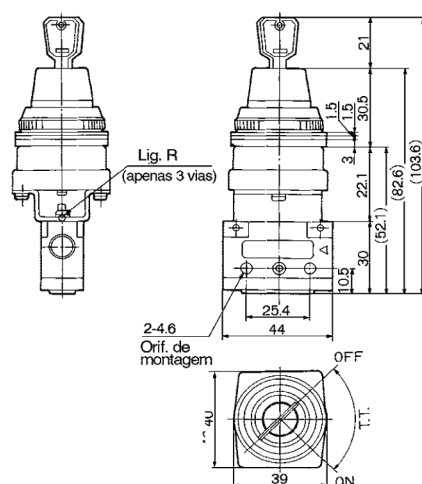
3 vias



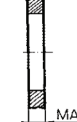
* Pressão de alimentação 0.5MPa

F.O.F.*	15N
T.T.	90°

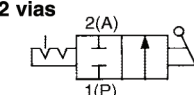
Seletor c/ trava e chave (2 posições)/VM122-M5-36, VM132-M5-36



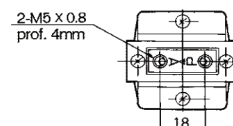
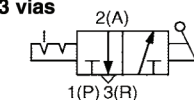
Orif. montagem painel



Símbolo JIS
2 vias



3 vias

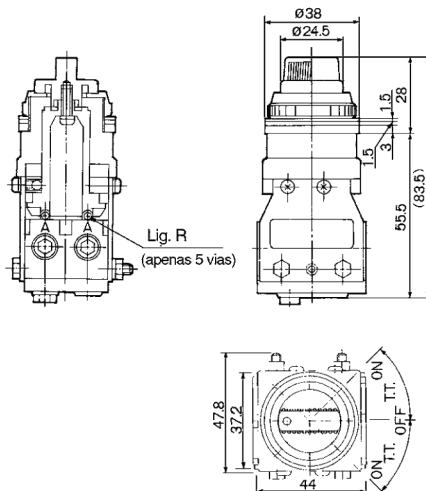


* Pressão de alimentação 0.5MPa

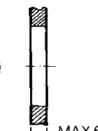
F.O.F.*	15N
T.T.	90°

A chave pode ser retirada nas posições "on" e "off".

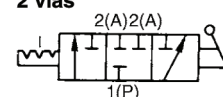
Seletor c/ trava (3 posições)/VM133-M5-35R, B, G, Y/VM153-M5-35R, B, G, Y



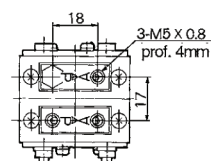
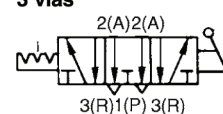
Orif. montagem painel



Símbolo JIS
2 vias



3 vias



* Pressão de alimentação 0.5MPa

F.O.F.*	20N
T.T.	45°

Válvulas de acionamento mecânico e manual. 3/2 vias NF - 1/4" **Série VM200**

- Construídas em alumínio injetado.
- Espessura da válvula 25 mm.



Características técnicas

Fluido	Ar
Pressão de operação	0 a 1.0MPa
Temperatura do fluido	-5 a 60°C (Sem congelação)
Área efetiva (Nz/mín)	19mm² (891.50)
Lubrificante recomendado	Não necessário/óleo de turbina #1 (ISO VG32)
Rosca da ligação	1/4
Peso (Básico)	111g

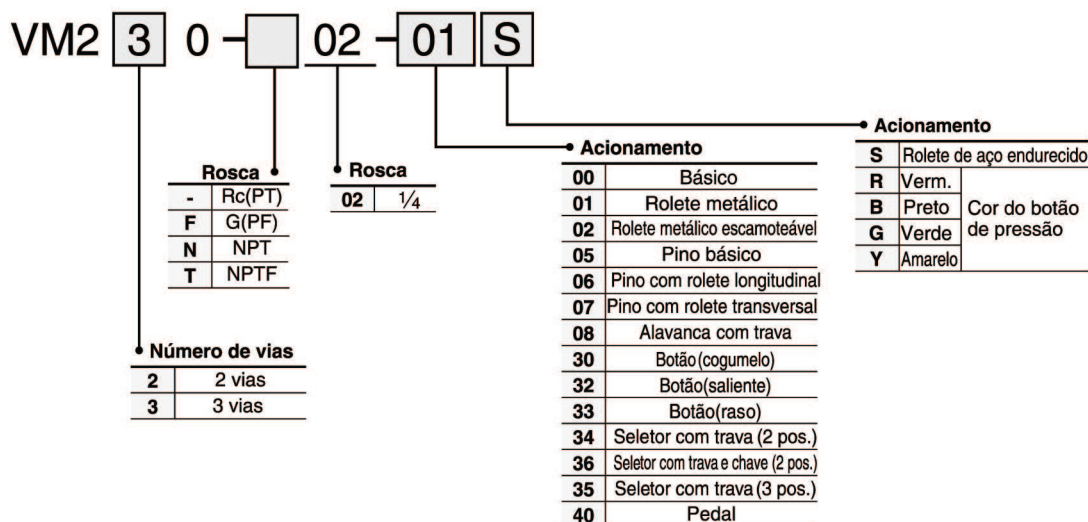
Modelo

	No. de ligações	2 vias	3 vias	Referência do acionamento	Aplicação
Acionamento mecânico	Acionamento				
	Básico	VM220-02-00	VM230-02-00	—	—
	Rolete metálico	VM220-02-01	VM230-02-01	VM-01A	Rolete de poliacetal
		VM220-02-01S	VM230-02-01S	VM-01AS	Rolete de aço endurecido
	Rolete metálico escamoteável	VM220-02-02	VM230-02-02	VM-02A	Rolete de poliacetal
		VM220-02-02S	VM230-02-02S	VM-02AS	Rolete de aço endurecido
	Pino básico	VM220-02-05	VM230-02-05	VM-05A	—
	Pino com rolete longitudinal	VM220-02-06	VM230-02-06	VM-06A	Rolete de poliacetal
		VM220-02-06S	VM230-02-06S	VM-06AS	Rolete de aço endurecido
	Pino com rolete transversal	VM220-02-07	VM230-02-07	VM-07A	Rolete de poliacetal
		VM220-02-07S	VM230-02-07S	VM-07AS	Rolete de aço endurecido
Acionamento manual	Alavanca com trava	VM220-02-08	VM230-02-08	VM-08A	—
	Botão (cogumelo)	VM220-02-30R	VM230-02-30R	VM-30AR	Verm.
		VM220-02-30B	VM230-02-30B	VM-30AB	Preto
		VM220-02-30G	VM230-02-30G	VM-30AG	Verde
		VM220-02-30Y	VM230-02-30Y	VM-30AY	Amarelo
	Botão (saliente)	VM220-02-32R	VM230-02-32R	VM-32AR	Verm.
		VM220-02-32B	VM230-02-32B	VM-32AB	Preto
		VM220-02-32G	VM230-02-32G	VM-32AG	Verde
		VM220-02-32Y	VM230-02-32Y	VM-32AY	Amarelo
	Botão (raso)	VM220-02-33	VM230-02-33	VM-33A	Com um conjunto de cor vermelha, preta, verde, amarela.
		VM220-02-34R	VM230-02-34R	VM-34AR	Verm.
		VM220-02-34B	VM230-02-34B	VM-34AB	Preto
		VM220-02-34G	VM230-02-34G	VM-34AG	Verde
		VM220-02-34Y	VM230-02-34Y	VM-34AY	Amarelo
	Seletor com trava (2 posições)	VM220-02-36	VM230-02-36	VM-36A	—
	Seletor com trava e chave (2 pos.)	VM230-02-35R	VM250-02-35R	—	Verm.
		VM230-02-35B	VM250-02-35B	—	Preto
		VM230-02-35G	VM250-02-35G	—	Verde
		VM230-02-35Y	VM250-02-35Y	—	Amarelo
		(3 vias)	(5 vias)	—	—
	Pedal	VM220-02-40	VM230-02-40	—	—



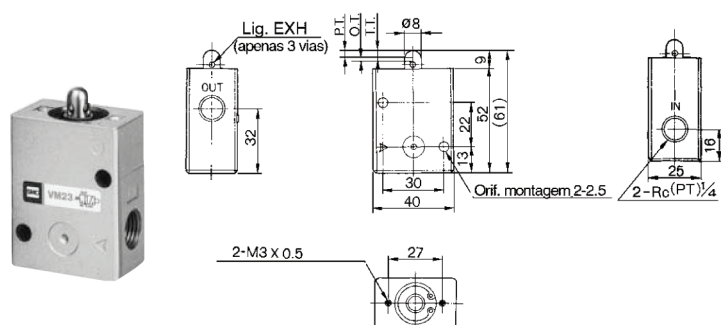
Nota) A substituição do acionamento está disponível para todos os modelos exceto seletor com trava (3 posições) e pedal.

Como pedir



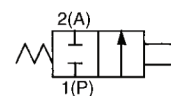
Série VM200

Básico/VM220-02-00, VM230-02-00

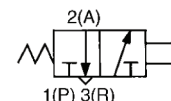


Símbolo JIS

2 vias



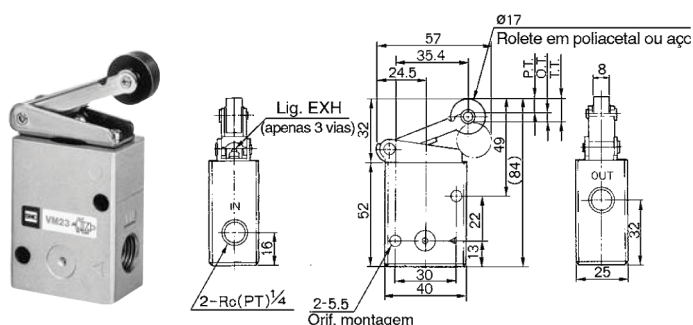
3 vias



* Pressão de alimentação 0.5MPa

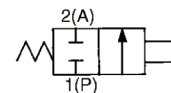
F.O.F.*	52N
P.T.	3mm
O.T.	2mm
T.T.	5mm

Roleta metálico/VM220-02-01, VM230-02-01 VM220-02-01S, VM230-02-01S

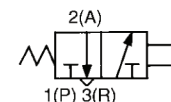


Símbolo JIS

2 vias



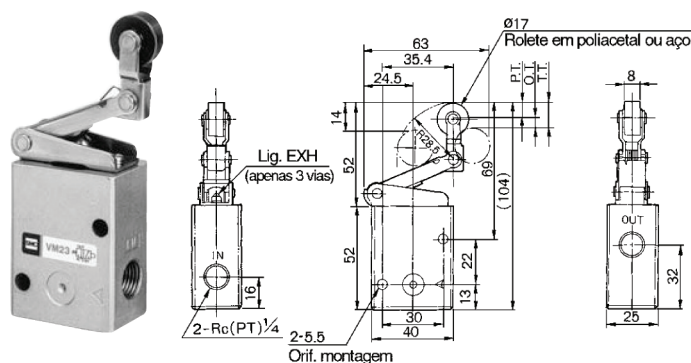
3 vias



* Pressão de alimentação 0.5MPa

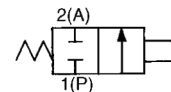
F.O.F.*	24N
P.T.	6.5mm
O.T.	4.5mm
T.T.	11mm

Roleta metálico escamoteável/VM220-02-02, VM230-02-02 VM220-02-02S, VM230-02-02S

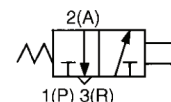


Símbolo JIS

2 vias



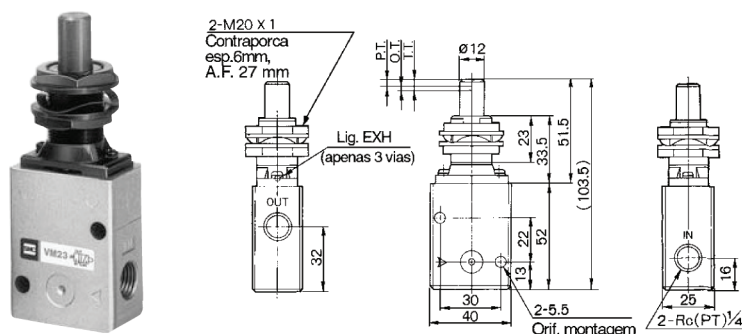
3 vias



* Pressão de alimentação 0.5MPa

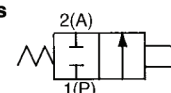
F.O.F.*	22N
P.T.	7mm
O.T.	5mm
T.T.	12mm

Pino básico/VM220-02-05, VM230-02-05

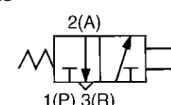


Orif. montagem painel Símbolo JIS

2 vias



3 vias

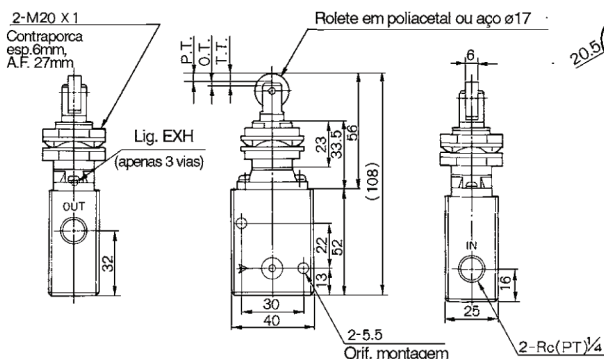


* Pressão de alimentação 0.5MPa

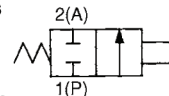
F.O.F.*	56N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

Série VM200

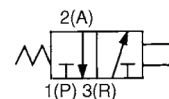
Pino com rolete longitudinal/VM220-02-06, VM230-02-06 VM220-02-06S, VM230-02-06S



Orif. montagem painel Símbolo JIS 2 vias



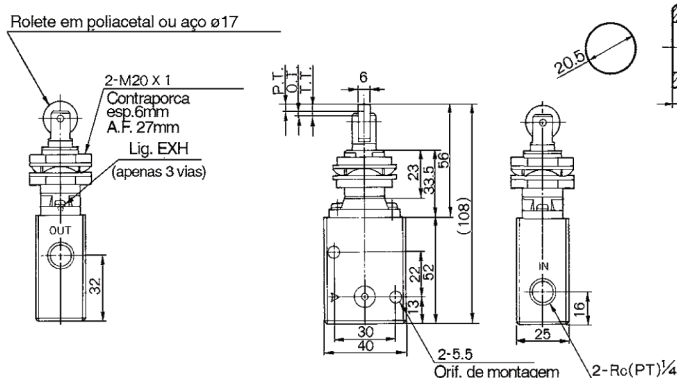
3 vias



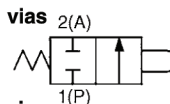
Pressão de alimentação 0.5MPa

F.O.F.	56N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

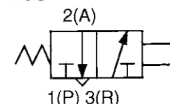
Pino com rolete transversal/VM220-02-07, VM230-02-07 VM220-02-07S, VM230-02-07S



Orif. montagem painel Símbolo JIS 2 vias



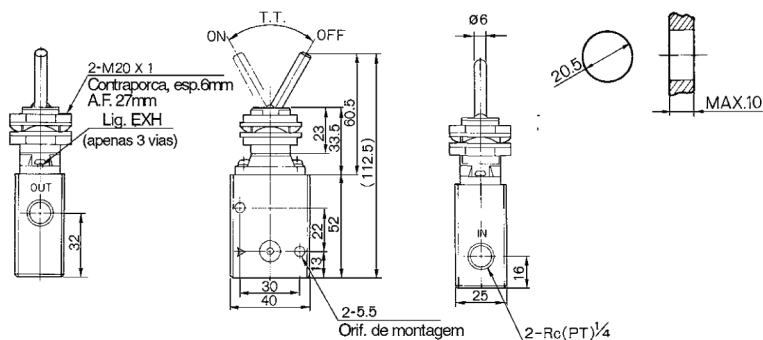
3 vias



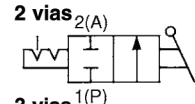
Pressão de alimentação 0.5MPa

F.O.F.	56N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

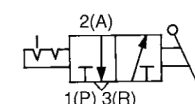
Alavanca com trava/VM220-02-08, VM230-02-08



Orif. montagem painel Símbolo JIS 2 vias



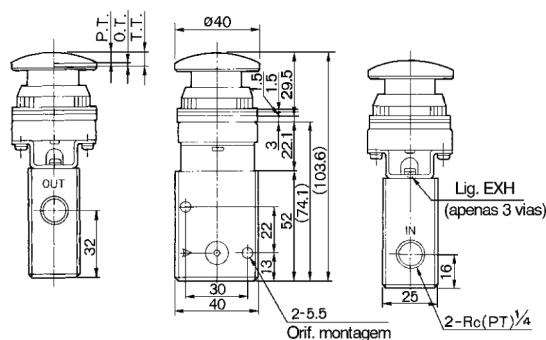
3 vias



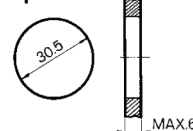
Pressão de alimentação 0.5MPa

F.O.F.	12N
T.T.	60°

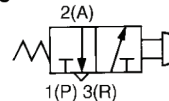
Botão(Cogumelo)/VM220-02-30R, B, G, Y/VM230-02-30R, B, G, Y



Orif. montagem painel Símbolo JIS 2 vias



3 vias

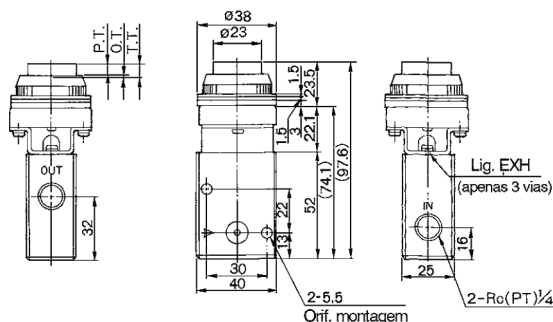


Pressão de alimentação 0.5MPa

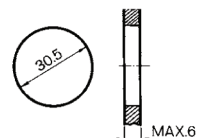
F.O.F.	52N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Série VM200

Botão(Saliente)/VM220-02-32R, B, G, Y/VM230-02-32R, B, G, Y



Orif. montagem painel

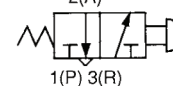


Símbolo JIS

2 vias



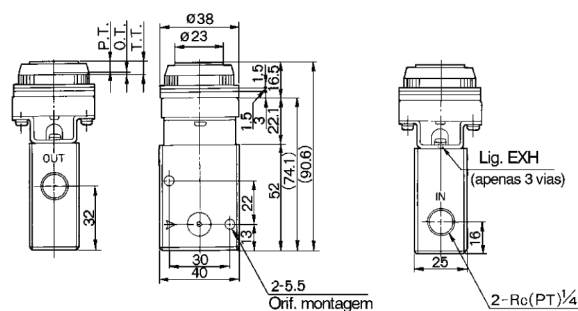
3 vias



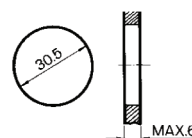
* Pressão de alimentação 0.5MPa

F.O.F.*	52N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Botão(Raso)/VM220-02-33, VM230-02-33

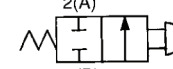


Orif. montagem painel

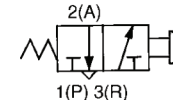


Símbolo JIS

2 vias



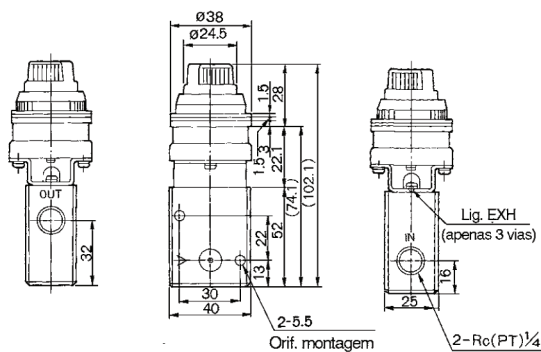
3 vias



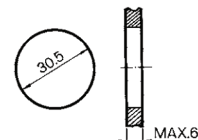
* Pressão de alimentação 0.5MPa

F.O.F.*	52N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

Seletor c/ trava (2 posições)/VM220-02-34R, B, G, Y/VM230-02-34R, B, G, Y

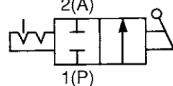


Orif. montagem painel

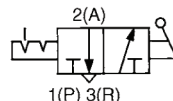


Símbolo JIS

2 vias



3 vias

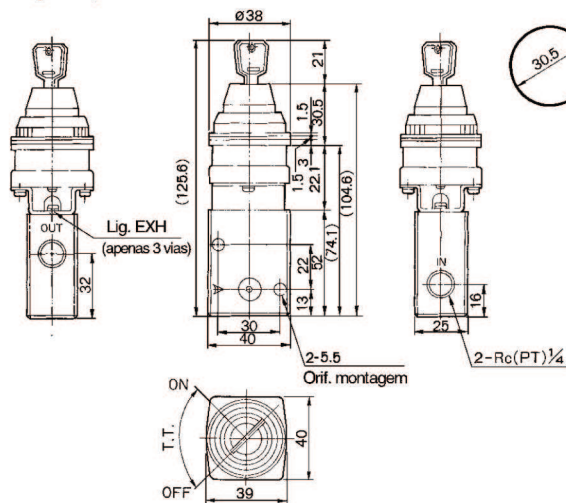


* Pressão de alimentação 0.5MPa

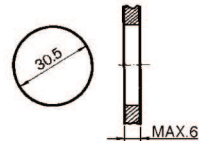
F.O.F.*	32N
T.T.	90°

Série VM200

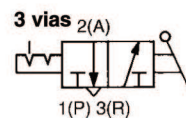
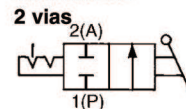
Seletor c/ trava e chave (2 posições)/VM220-02-36, VM230-02-36



Orif. montagem painel



Símbolo JIS

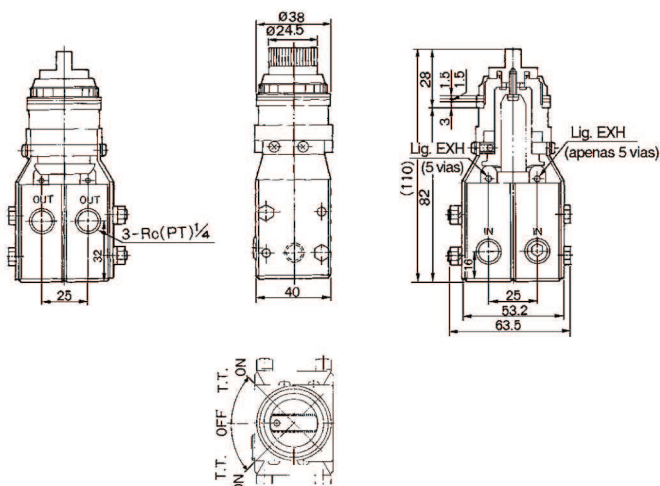


* Pressão de alimentação 0.5MPa

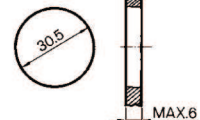
F.O.F.*	32N
T.T.	90°

A chave pode ser retirada nas posições "on" e "off".

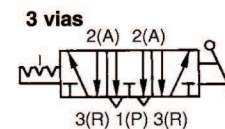
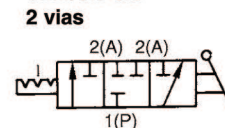
Seletor c/ trava (3 posições)/VM230-02-35R, B, G, Y/VM250-02-35R, B, G, Y



Orif. montagem painel



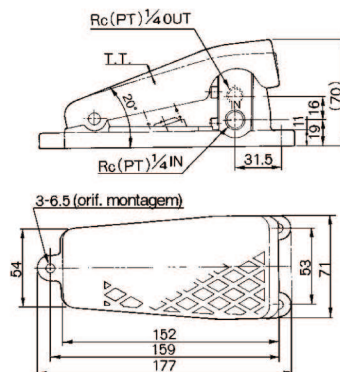
Símbolo JIS



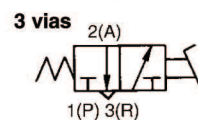
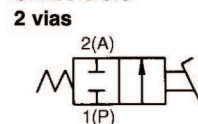
* Pressão de alimentação 0.5MPa

F.O.F.*	40N
T.T.	45°

Pedal/VM220-02-40, VM230-02-40



Símbolo JIS

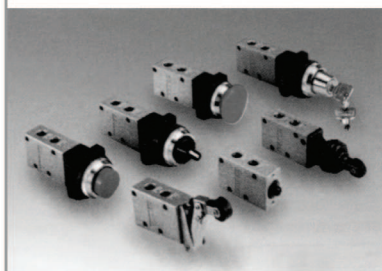


* Pressão de alimentação 0.5MPa

F.O.F.*	65N
T.T.	1.2°

Válvulas de acionamento mecânico e manual. 3/2 vias NF/NA - 1/8” Série VM400

- Construídas em alumínio injetado.
- Espessura da válvula 21 mm.
- NA/NF.



Características técnicas

Fluido	Ar
Pressão de operação	-100kPa a 1.0MPa
Temp. ambiente e do fluido	-5 a 60°C (Sem congelação)
Área efetiva (Nl/mín)	7mm² (338.77)
Lubrificação	Não necessário/óleo de turbina #1 (ISO VG32)
Rosca	1/8
Peso (Básico)	110g

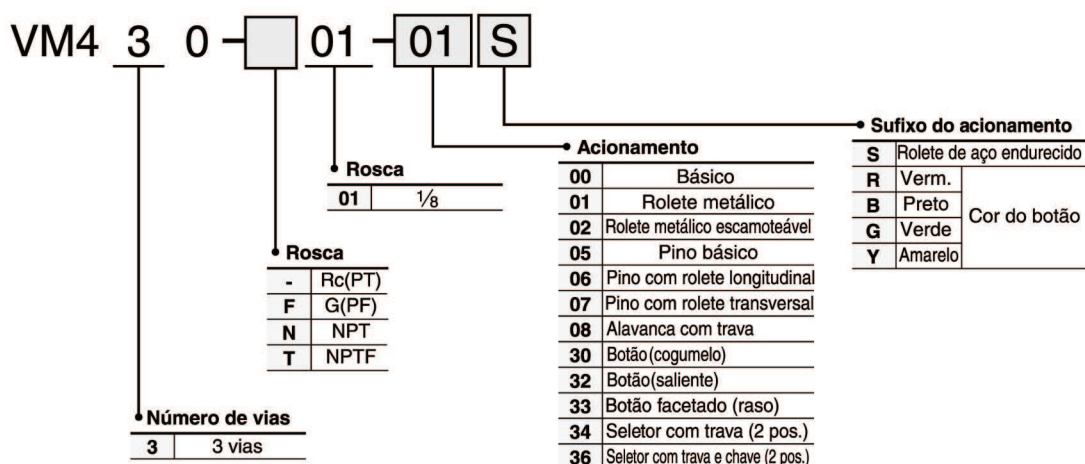
Modelo

	Acionamento	Modelo	Referência do acionamento	Aplicação
Acionamento mecânico	Básico	VM430-01-00	—	—
	Rolete metálico	VM430-01-01	VM-01A	Rolete de poliacetal
		VM430-01-01S	VM-01AS	Rolete de aço endurecido
	Rolete metálico escamoteável	VM430-01-02	VM-02A	Rolete de poliacetal
		VM430-01-02S	VM-02AS	Rolete de aço endurecido
	Pino básico	VM430-01-05	VM-05A	—
	Pino com rolete longitudinal	VM430-01-06	VM-06A	Rolete de poliacetal
		VM430-01-06S	VM-06AS	Rolete de aço endurecido
Acionamento manual	Pino com rolete transversal	VM430-01-07	VM-07A	Rolete de poliacetal
		VM430-01-07S	VM-07AS	Rolete de aço endurecido
	Alavanca com trava	VM430-01-08	VM-08A	—
	Botão (cogumelo)	VM430-01-30R	VM-30AR	Verm.
		VM430-01-30B	VM-30AB	Preto
		VM430-01-30G	VM-30AG	Verde
		VM430-01-30Y	VM-30AY	Amarelo
	Botão (saliente)	VM430-01-32R	VM-32AR	Verm.
		VM430-01-32B	VM-32AB	Preto
		VM430-01-32G	VM-32AG	Verde
		VM430-01-32Y	VM-32AY	Amarelo
	Botão facetado (raso)	VM430-01-33	VM-33A	Com um conjunto de cor vermelha, preta, verde, amarela.
	Seletor com trava (2 posições)	VM430-01-34R	VM-34AR	Verm.
		VM430-01-34B	VM-34AB	Preto
		VM430-01-34G	VM-34AG	Verde
		VM430-01-34Y	VM-34AY	Amarelo
	Seletor c/ trava e chave (2 pos.)	VM430-01-36	VM-36A	—



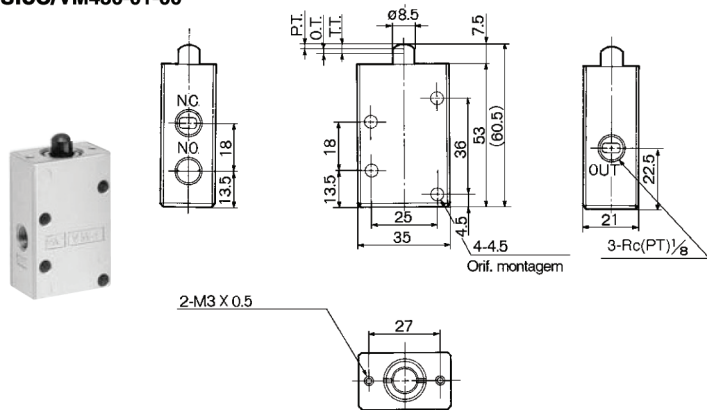
Nota) A substituição do acionamento está disponível para todos os modelos.

Como pedir

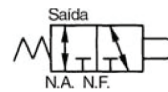


Série VM400

Básico/VM430-01-00

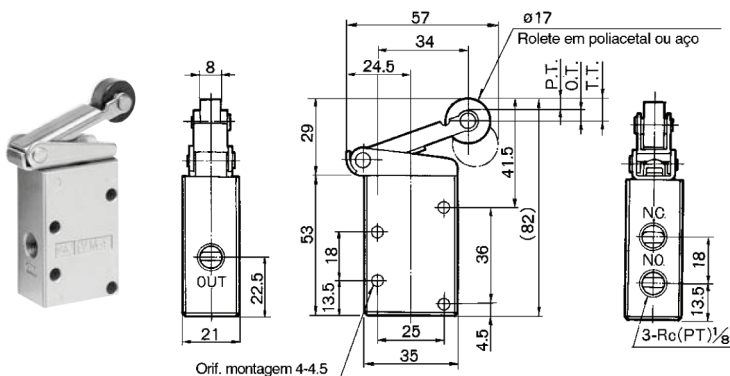


Símbolo JIS



F.O.F.	26N
P.T.	1.5mm
O.T.	2mm
T.T.	3.5mm

Rolete metálico/VM430-01-01, VM430-01-01S

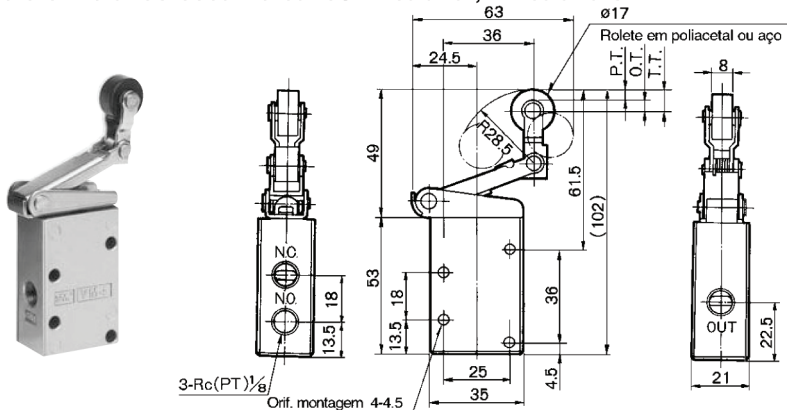


Símbolo JIS



F.O.F.	12N
P.T.	4mm
O.T.	4.5mm
T.T.	8.5mm

Rolete metálico escamoteável/VM430-01-02, VM430-01-02S

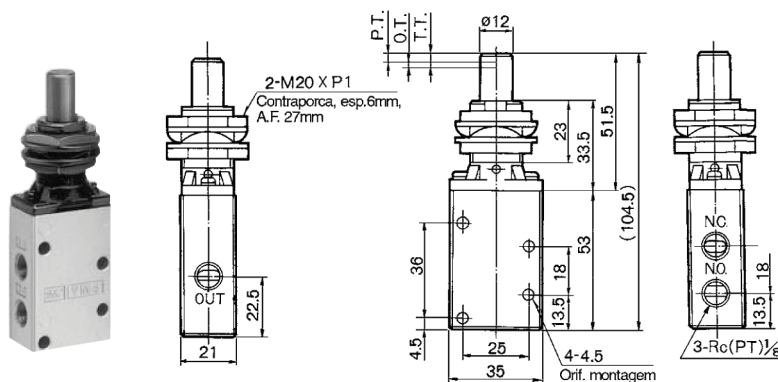


Símbolo JIS

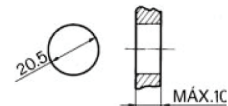


F.O.F.	11N
P.T.	4mm
O.T.	5mm
T.T.	9mm

Pino básico/VM430-01-05



Orif. montagem painel



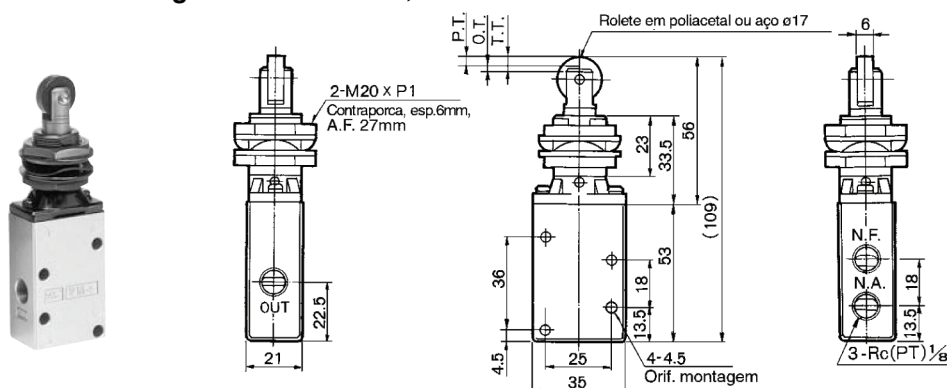
Símbolo JIS



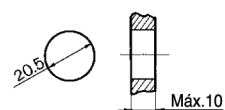
F.O.F.	30N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

Série VM400

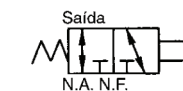
Pino com rolete longitudinal/VM430-01-06, VM430-01-06S



Orif. montagem painel

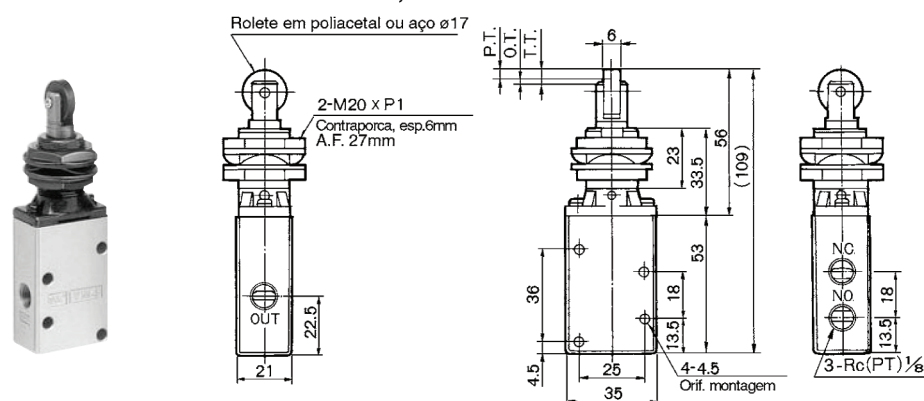


Símbolo JIS

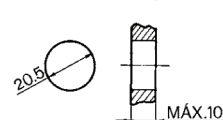


F.O.F.	30N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

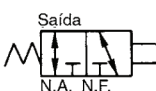
Pino com rolete transversal/VM430-01-07, VM430-01-07S



Orif. montagem painel

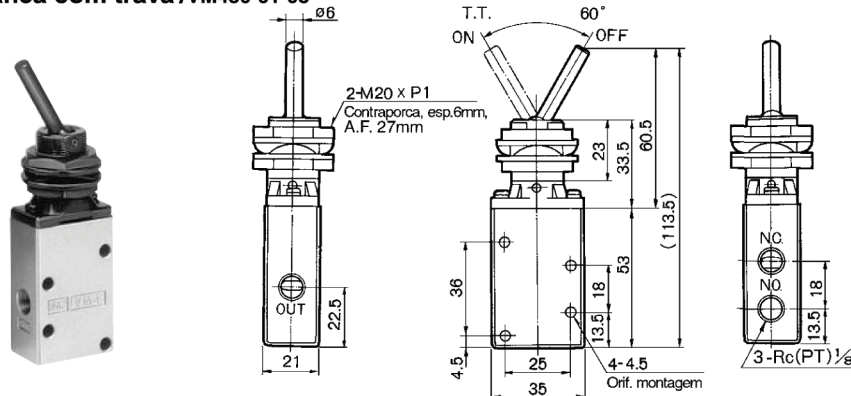


Símbolo JIS

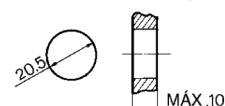


F.O.F.	30N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

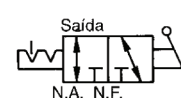
Alavanca com trava/VM430-01-08



Orif. montagem painel

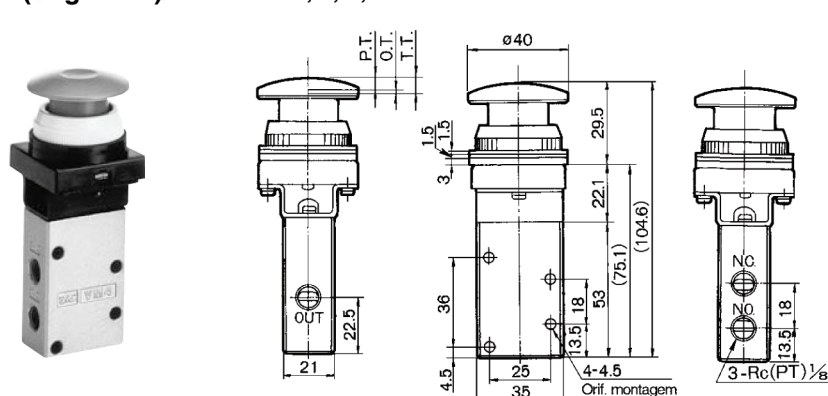


Símbolo JIS

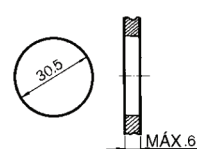


F.O.F.	7N
T.T.	60°

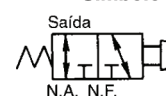
Botão(Cogumelo)/VM430-01-30R, B, G, Y



Orif. montagem painel



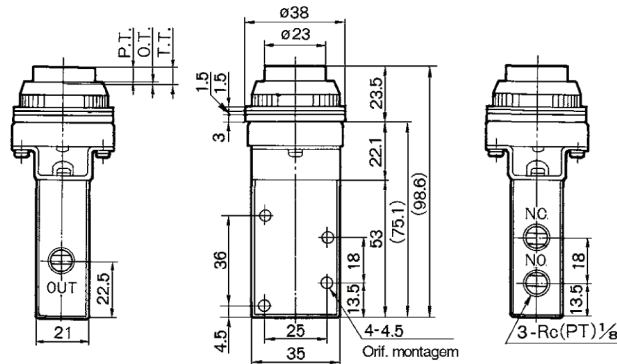
Símbolo JIS



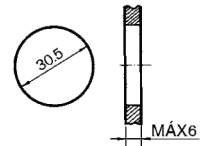
F.O.F.	26N
P.T.	4.6mm
O.T.	1.6mm
T.T.	6.5mm

Série VM400

Botão(Saliente)/VM430-01-32R, B, G, Y



Orif. montagem painel

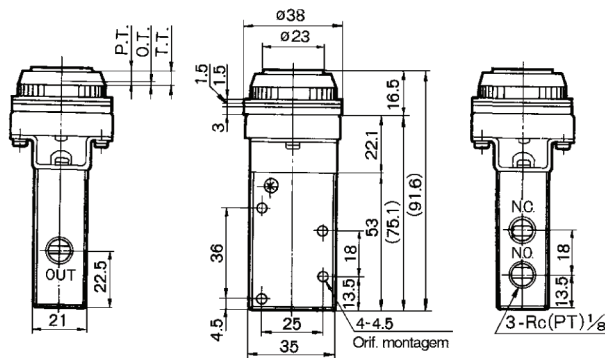


Símbolo JIS

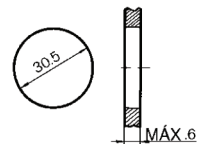


F.O.F.	26N
P.T.	5.4mm
O.T.	1.6mm
T.T.	6.5mm

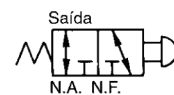
Botão facetado (Raso)/VM430-01-33



Orif. montagem painel

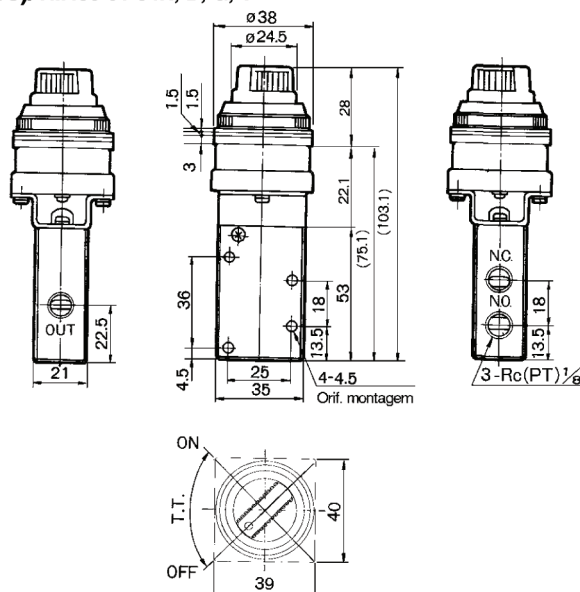


Símbolo JIS

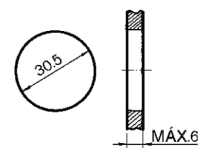


F.O.F.	26N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

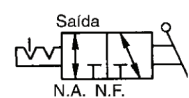
Seletor c/ trava (2 posições)/VM430-01-34R, B, G, Y



Orif. montagem painel



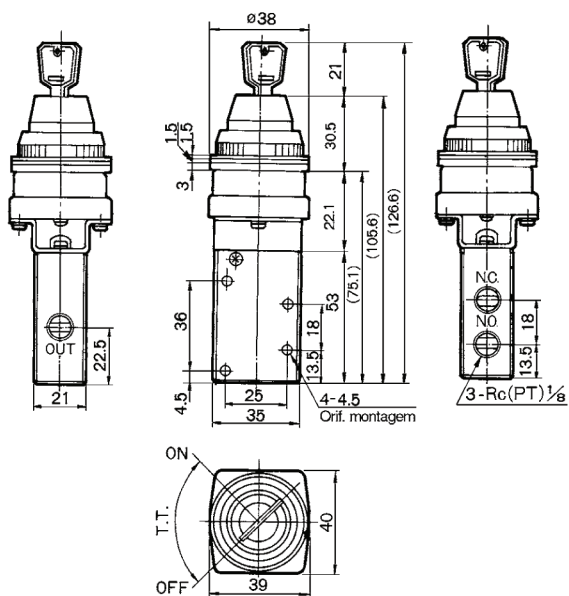
Símbolo JIS



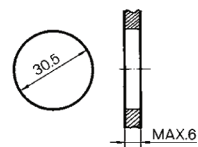
F.O.F.	20N
T.T.	90°

Série VM400

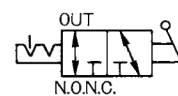
Seletor c/ trava e chave (2 posições)/VM430-01-36



Orif. montagem painel



Símbolo JIS



A chave pode ser retirada nas posições "on" e "off".

F.O.F.	20N
T.T.	90°