

CARACTERÍSTICAS

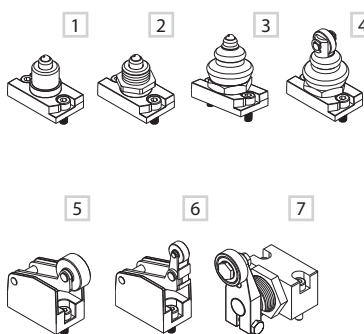
Temperatura ambiente	-10 ÷ +45 °C	
Fluido	ar filtrado 50 µm, com ou sem lubrificação	
Sistema de permutação	spool	
Pressão Máx	10 bar	
Conexões	G1/8	G1/4
Diâmetro nominal (mm)	6,5	8,5
Fluxo nominal (l/min)	890	1480
Corpo válvula	zamak fundida a pressão (G1/8), alumínio (G1/4)	
Vedações	NBR	
Spool	alumínio	
Eletropiloto/Bobina	série AA/U1-U3	
Consumo energético	3,5 W (DC) - 5 VA (AC)	
Conector	AM 5110	
Voltagem	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC	
Comando manual	impulso com parafuso 2 posições	

NOTA: para algumas versões são disponíveis, a pedido, vedações para alta temperatura (para obter mais informações contactar o nosso Departamento Comercial)

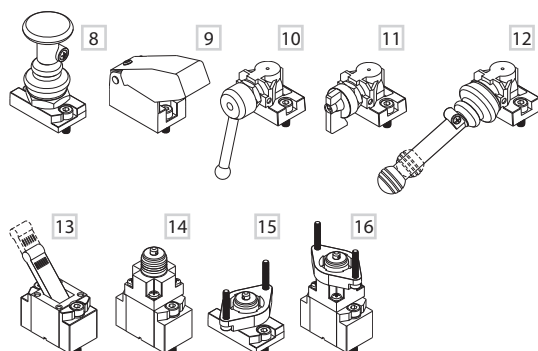


Modularidade sistema UNIVERSAL

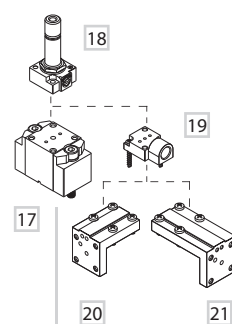
MECÂNICO



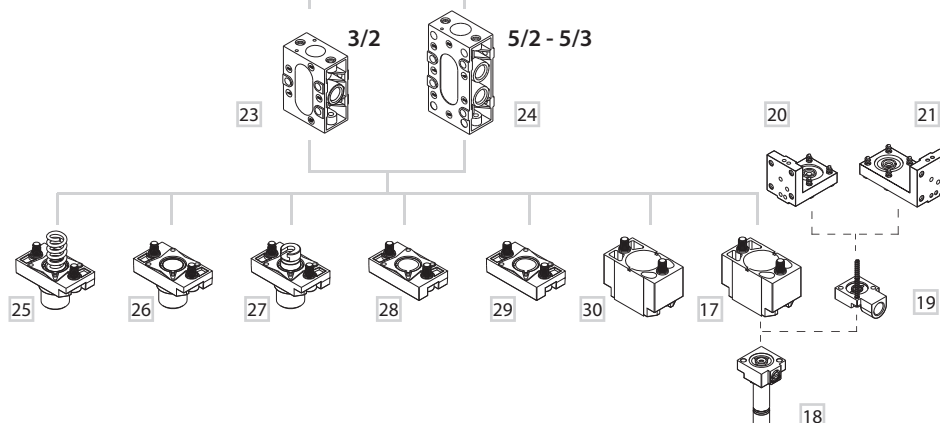
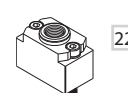
MANUAL



ELÉTRICO



PNEUMÁTICO



COMANDO MECÂNICO

- 1 Ponta com esfera
- 2 Ponta com esfera, montagem com parafuso no painel
- 3 Ponta com esfera com proteção anti-poeira
- 4 Ponta com rolete com proteção anti-poeira
- 5 Alavanca rolete
- 6 Alavanca rolete unidirecional
- 7 Alavanca rolete lateral bidirecional

COMANDO MANUAL

- 8 Tirante
- 9 Tecla
- 10 Alavanca rotatória
- 11 Seletor

- 12 Alavanca a 90° curta/longa
- 13 Alavanca curta/longa
- 14 Acionamento indireto rosqueado
- 15 Acionamento direto no painel
- 16 Acionamento indireto no painel

COMANDO ELÉTRICO

- 17 Elétrico amplificado
- 18 Eletropiloto U1
- 19 Placa para servo alimentação externa
- 20 Esquadria para bobina em posição "H"
- 21 Esquadria para bobina em posição "P"

COMANDO PNEUMÁTICO

- 22 Pneumático amplificado

CORPO

- 23 Corpo 3/2
- 24 Corpo 5/2

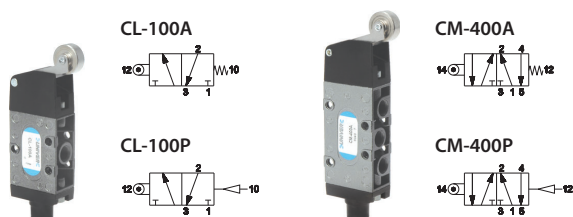
RETORNO

- 25 Mola mecânica
- 26 Pneumático não amplificado
- 27 Tampão 2/3 posições
- 28 Tampão
- 29 Mola pneumática
- 30 Pneumático amplificado

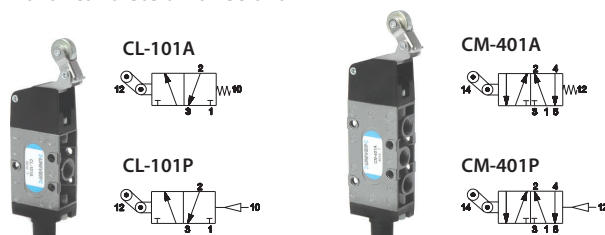
Para tipos e versões, consulte o catálogo ATEX

Válvulas com acionamento mecânico direto G1/8

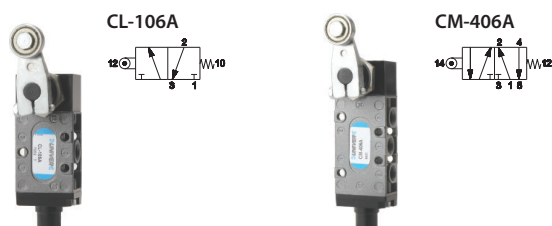
■ Alavanca rolete



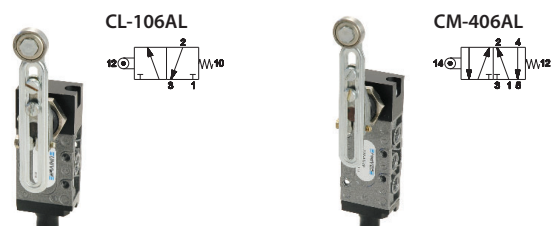
■ Alavanca rolete unidirecional



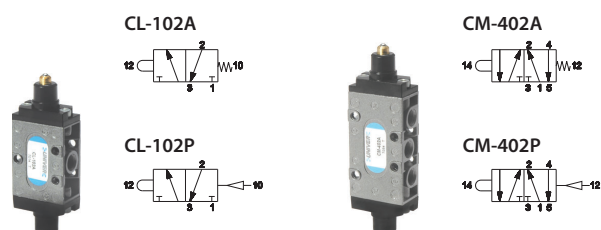
■ Alavanca rolete lateral bidirecional



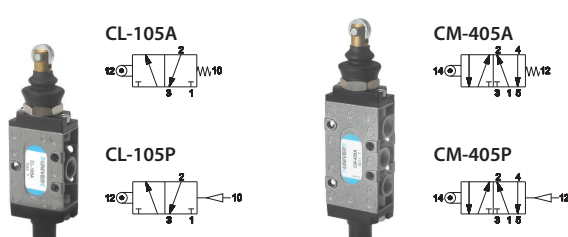
■ Alavanca rolete lateral bidirecional regulável



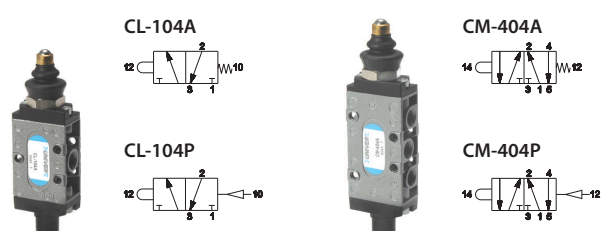
■ Ponta com esfera



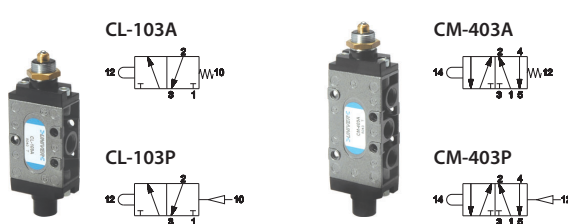
■ Ponta com rolete com proteção anti-poeira



■ Ponta com esfera com proteção anti-poeira

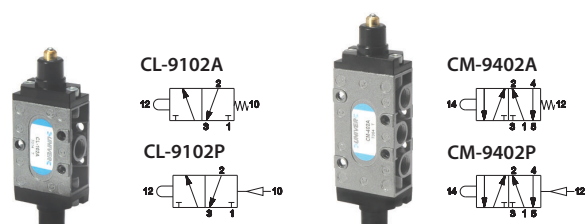


■ Ponta com esfera para montagem com parafuso no painel

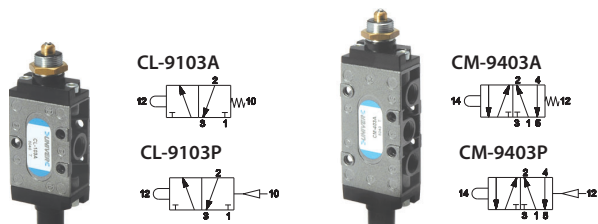


Válvulas com acionamento mecânico direto G1/4

■ Ponta com esfera

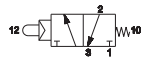
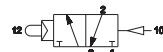
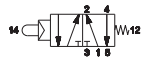


■ Ponta com esfera para montagem com parafuso no painel

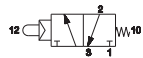
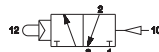
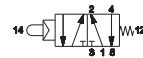
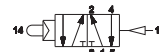


Válvulas com acionamento indireto G1/8 - G1/4 para interruptores pneumáticos e mecânicos

■ Ponta com esfera

CL-110A G 1/8
CL-9110A G 1/4CL-110P G 1/8
CL-9110P G 1/4CM-410A G 1/8
CM-9410A G 1/4CM-410P G 1/8
CM-9410P G 1/4

■ Ponta com esfera sensível

CL-111A G 1/8
CL-9111A G 1/4CL-111P G 1/8
CL-9111P G 1/4CM-411A G 1/8
CM-9411A G 1/4CM-411P G 1/8
CM-9411P G 1/4

AI-3550	AI-3551	AI-3560	AI-3562	AI-3563	AI-3570	AI-3571	AI-3572	AI-3511	AI-3514	AI-3515	AI-3520	AI-3522	AI-3524	AI-3525	AI-3526
								AI-3512	AI-3516	AI-3517	AI-3521				
								AI-3513	AI-3514D	AI-3519		AI-3523			
								AI-3516D							

Válvulas com acionamento direto e indireto G1/8 - G1/4 para interruptores em painel

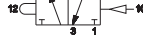
■ Ponta com esfera (acionamento direto)



CL-112A



CL-112P



CM-412A

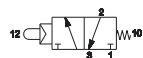
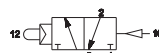


CM-412P



AI-3511Q	AI-3514Q	AI-3515Q	AI-3524Q
AI-3512Q	AI-3516Q	AI-3517Q	
AI-3513Q	AI-3514QD	AI-3519Q	
AI-3516QD			

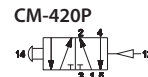
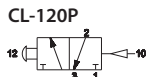
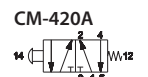
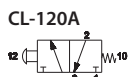
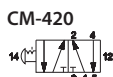
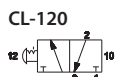
■ Ponta com esfera (acionamento indireto)

CL-113A G 1/8
CL-9113A G 1/4CL-113P G 1/8
CL-9113P G 1/4CM-413A G 1/8
CM-9413A G 1/4CM-413P G 1/8
CM-9413P G 1/4

AI-3511Q	AI-3514Q	AI-3515Q	AI-3520Q	AI-3524Q	AI-3522Q	AI-3525Q	AI-3526Q
AI-3512Q	AI-3516Q	AI-3517Q	AI-3521Q				
AI-3513Q	AI-3514QD	AI-3519Q			AI-3523Q		
AI-3516QD							

Válvulas com acionamento manual G1/8

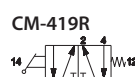
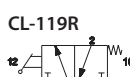
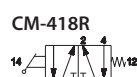
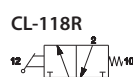
■ Tirante



- AMARELO CP-911G
- VERMELHO CP-911R
- PRETO CP-911N
- VERDE CP-911V

As válvulas são fornecidas sem dispositivo

■ Alavanca longa



ALAVANCA LONGA

DE SÉRIE

■ VERMELHO

A PEDIDO

■ AMARELO

■ PRETO

ALAVANCA CURTA

DE SÉRIE

■ VERMELHO

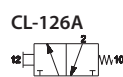
A PEDIDO

■ AMARELO

■ PRETO

■ VERDE

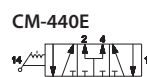
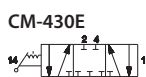
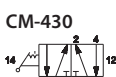
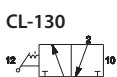
■ Tecla



DE SÉRIE

■ VERMELHO

■ Alavanca rotatória



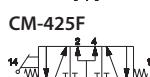
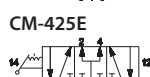
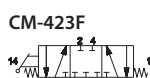
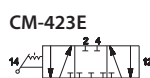
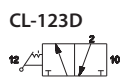
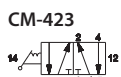
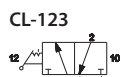
■ VERMELHO CP-915R



■ VERMELHO CP-916R

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■ Alavanca a 90°



ALAVANCA LONGA



■ VERMELHO CP-913R

ALAVANCA CURTA

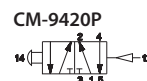
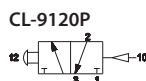
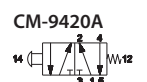
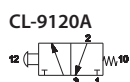
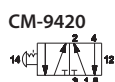
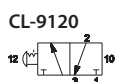


- AMARELO CP-912G
- VERMELHO CP-912R
- PRETO CP-912N

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Válvulas com acionamento manual G1/4

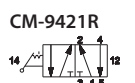
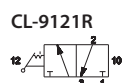
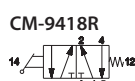
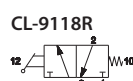
■ Tirante



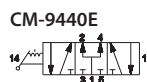
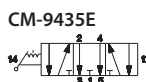
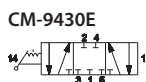
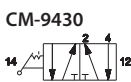
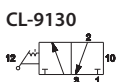
- AMARELO
CP-911G
- VERMELHO
CP-911R
- PRETO
CP-911N
- VERDE
CP-911V

As válvulas são fornecidas sem dispositivo

■ Alavanca longa

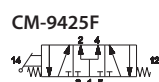
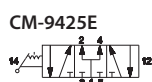
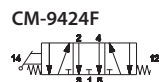
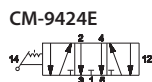
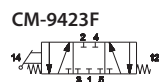
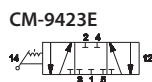
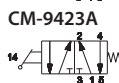
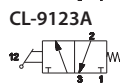
DE SÉRIE
■ VERMELHOA PEDIDO
■ AMARELO
■ PRETO

■ Alavanca rotatória

■ VERMELHO
CP-915R■ VERMELHO
CP-916R

As válvulas são fornecidas sem dispositivo

■ Alavanca a 90°



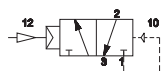
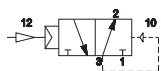
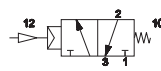
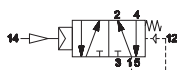
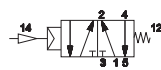
ALAVANCA LONGA

■ VERMELHO
CP-913R

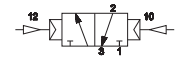
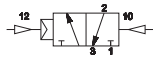
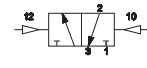
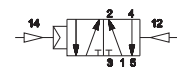
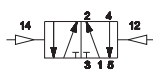
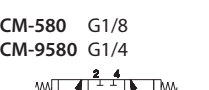
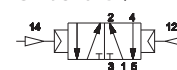
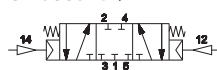
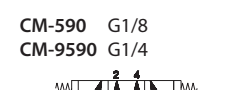
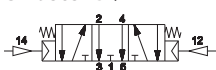
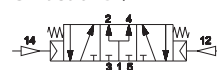
As válvulas são fornecidas com alavanca longa

Válvulas com acionamento pneumático G1/8 - G1/4

■ Impulso simples

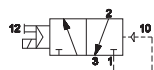
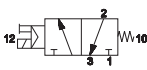
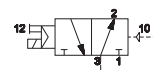
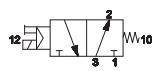
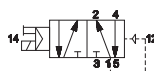
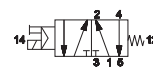
CL-200 G1/8
CL-9200 G1/4CL-203 G1/8 (NO)
CL-9203 G1/4 (NO)CL-200A G1/8
CL-9200A G1/4CM-500 G1/8
CM-9500 G1/4CM-500A G1/8
CM-9500A G1/4

■ Impulso duplo

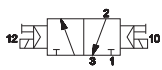
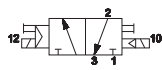
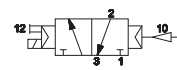
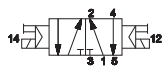
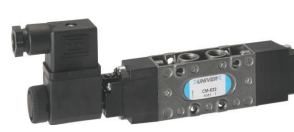
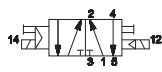
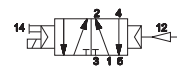
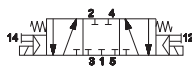
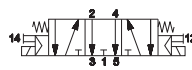
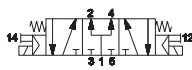
CL-220 G1/8
CL-9220 G1/4CL-221 G1/8
CL-9221 G1/4CL-224 G1/8
CL-9224 G1/4CM-521 G1/8
CM-9521 G1/4CM-524 G1/8
CM-9524 G1/4CM-520 G1/8
CM-9520 G1/4CM-580 G1/8
CM-9580 G1/4CM-585 G1/8
CM-9585 G1/4CM-590 G1/8
CM-9590 G1/4

Válvulas com acionamento elétrico G1/8 - G1/4

■ Impulso simples

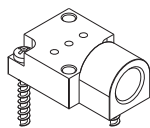
CL-300 G1/8
CL-9300 G1/4CL-302A G1/8
CL-9302A G1/4CL-301 G1/8
CL-9301 G1/4CL-303A G1/8 (NO)
CL-9303A G1/4 (NO)CM-600 G1/8
CM-9600 G1/4CM-602A G1/8
CM-9602A G1/4

■ Impulso duplo

CL-320 G1/8
CL-9320 G1/4CL-321 G1/8
CL-9321 G1/4CL-322 G1/8
CL-9322 G1/4CM-620 G1/8
CM-9620 G1/4CM-621 G1/8
CM-9621 G1/4CM-622 G1/8
CM-9622 G1/4CM-680 G1/8
CM-9680 G1/4CM-685 G1/8
CM-9685 G1/4CM-690 G1/8
CM-9690 G1/4

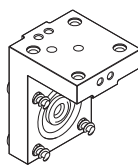
As eletroválvulas são fornecidas sem bobinas, conector e porca de bloqueio

AM-5148



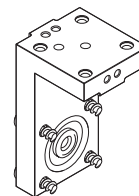
Placa de pilotagem externa

AM-5151



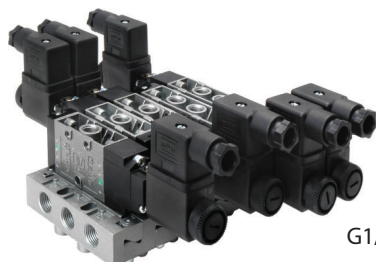
Esquadria para bobina em posição "H"

AM-5152

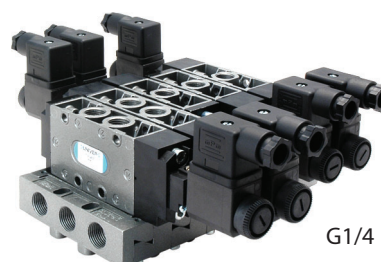


Esquadria para bobina em posição "P"

Sub-base modular CLIPS G1/8 - G1/4 para válvulas 3/2 - 5/2 - 5/3

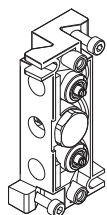


G1/8



G1/4

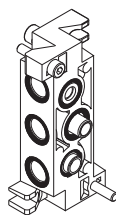
CP-100/CP-9100



sub-base modular escape regulado e canalizado
CP-100 para G1/8, **CP-9100** para G1/4
 material: zamak

De série: parafusos, juntas, reguladores escape e conexão de fixação válvulas

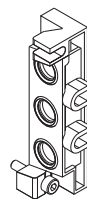
CP-101/CP-9101



sub-base modular sem escape regulado
CP-101 para G1/8, **CP-9101** para G1/4
 material: zamak

De série: parafusos, juntas e conexão de fixação válvulas

CP-105/CP-9105



placa de entrada conexões laterais
CP-105 G1/4, **CP-9105** G3/8
 material: zamak

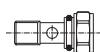
De série: parafusos, juntas

CP-106



placa posição válvula não utilizada
 bases G1/8
 material: alumínio

CP-110/CP-9110



Parafuso de fixação e alimentação
 conexão: **CP-110** G1/8, **CP-9110** G1/4
 material: latão

Para cada pressão adicional solicitar um parafuso de fixação e alimentação e dois separadores.

CP-111/CP-9111



separador de pressões
CP-111 para G1/8, **CP-9111** para G1/4
 material: alumínio

CP-112/CP-9112



tampa para montagem válvula 3/2
CP-112 para G1/8, **CP-9112** para G1/4
 material: alumínio

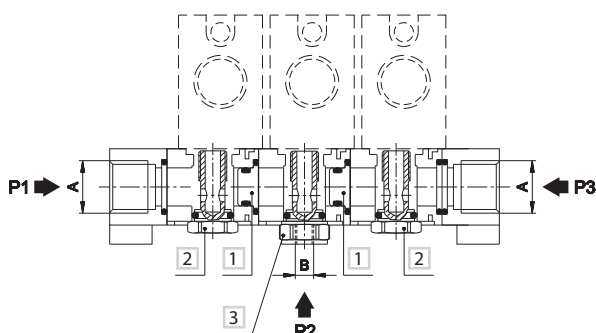
Tampa para montagem válvulas 3/2 NC-NO na placa base "CLIPS" para fechar a via não utilizada. Placa base de série com parafuso de regulagem com cabeça para chave de fenda. A pedido parafuso de regulagem com cabeça serrilhada.

CP-113/CP-9113



parafuso de regulagem
CP-113 para G1/8, **CP-9113** para G1/4
 material: latão

■ Exemplo de montagem bateria 3 pressões



	A	B
G1/8	G1/4	G1/8
G1/4	G3/8	G1/4

- 1 Separador de pressões CP-111/CP-9111
- 2 Conexão fixação válvula integrado na placa base
- 3 Conexão CP-110/CP-9110