





Specification

Model	CM3□-05	CM3□-06	CM3□-08
Operating	E	External contro	l
Fluid	Air (to be filte	red by 40 μm f	ilter element)
Pressure range	0~1.0MF	Pa(0~10bar)(0	~145psi)
Proof pressure	1.5MPa(15bar)(215psi)		
Temperature	-20~70□		
Valve type [Note1]	3 port 2 position		
Orifice size	2.0mm ² 2.5mm ² 15.0mm ²		
Cv	0.11	0.14	0.84
Port size [Note2]	M5×0.8 1/8" 1/4"		
Material of body	Aluminum alloy		

[Note1] HD series are 5/3 way. [Note2] G thread is available.

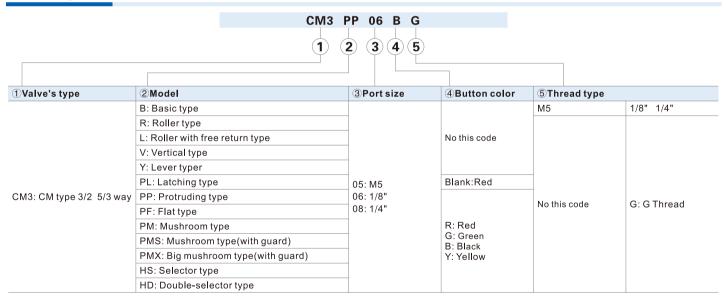
Symbol



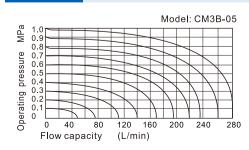
Product feature

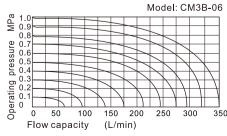
- 1. The external force required by changing the direction of the series of CM3B, CM3V, CM3L and CM3R is provided by external mechanism, which can be used for position test or limit switch.
- 2. The series of CM3PF, CM3PM, CM3PMS, CM3PMX, CM3PL, CM3PP, CM3HS, CM3HD and CM3Y are operated manually, owning control joints with several structure forms and suitable for application under different conditions.
- 3. Shut-off structure has good tightness and is sensitive in direction changing and lubricant is not necessary.
- 4. Multi-mounting makes it convenient to install and apply.
- 5. The control joints of series of CM3L, CM3V, CM3R and CM3Y are made of metal which has long service life and more reliable and steady performance.
- 6. CM3PMS. CM3PMX Series have metallic guard, it can protect the push cup, to avoid misact due to outside force touching the push cup. So they can be used more reliably.

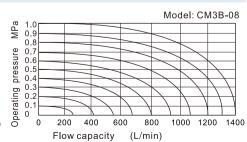
Ordering code



Flow chart





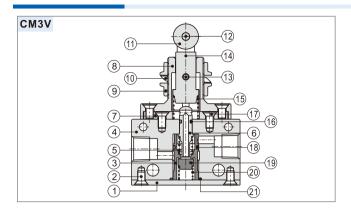






CM3 Series

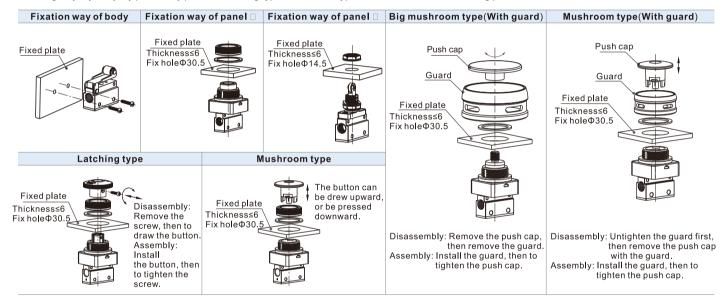
Inner structure



No.	Item	No.	Item	No.	Item
1	Fixing plate	8	Connecting holder	15	Spring
2	Screw	9	Clamping nut	16	O-ring
3	Spacer	10	Spring gasket	17	Screw
4	Body	11	Roller	18	O-ring
5	Spring	12	Shaft	19	Bottom cover gasket
6	Spool	13	Lock pin	20	Spring
7	Connerting gasket	14	Roller bracket	21	O-ring

Installation and operation

1. Mounting way: by body, by panel I, by panel II, latching type, mushroom type. Please refer to the following picture:



- 2. The control set is made of engineering plastic which only allows manual operation and switching valves through metal impact is forbidden.
- 3. The series of CM3B, CM3L, CM3V, CM3R, CM3PM, CM3PMS, CM3PMX, CM3PF, CM3PP get the function of automatic restoration. The hand valves of CM3Y, CM3HS, CM3HD, CM3PL are in type of manual restoration. CM3PL will be restored by turning the revolve button after being pressed into orientation.
- 4. Pay attention to the reversing stroke. The reversing stroke can not surpass its stroke stipulated in stroke control table when the direction-change of the valve is forced by any external forces, otherwise it will cause the damage of the valve.

Model	Spool stroke	Button(Roller\Handle) stroke	Model	Spool stroke	Button(Roller\Handle) stroke
CM3B05(06)	1.5~3.0	-	CM3B08	2.4~4.0	_
CM3R05(06)	1.5~2.5	3.0~4.8	CM3R08	2.4~3.2	6.8~9.0
CM3L05(06)	1.5~2.3	3.0~4.8	CM3L08	2.4~3.2	7.2~9.7
CM3V05(06)	1.5~3.0	2.7~4.2	CM3V08	2.4~4.0	2.6~4.2
CM3Y05(06)	1.5~2.5	3.0~4.8	CM3Y08	2.4~3.2	6.8~9.0
CM3PL05(06)	1.5~2.5	4.0~5.0	CM3PL08	2.4~3.5	4.0~5.0
CM3PP05(06)	1.5~3.0	4.0~5.5	CM3PP08	2.4~4.0	4.0~5.5
CM3PF05(06)	1.5~3.0	4.0~5.5	CM3PF08	2.4~4.0	4.0~5.5
CM3HS05(06)	1.5~3.0	4.0~5.5	CM3HS08	2.4~4.0	4.0~5.5
CM3HD05(06)	1.5~3.0	4.0~5.5	CM3HD08	2.4~4.0	4.0~5.5
CM3PM05(06)	1.5~3.0	4.0~5.5	CM3PM08	2.4~4.0	4.0~5.5
CM3PMS05(06)	1.5~3.0	4.0~5.5	CM3PMX08	2.4~4.0	4.0~5.5
CM3PMX05(06)	1.5~3.0	4.0~5.5	CM3PMX08	2.4~4.0	4.0~5.5

- 5. The CM3L can only switch the valve in single direction(impact from left to right). The impact from the other direction (from right to left) is invalid.
- 6. Control joint combination can be ordered individually. Please refer to external specification.



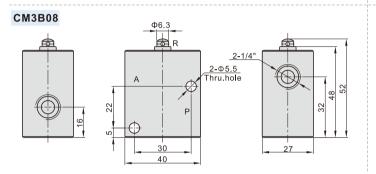


CM3 Series

Dimension (Basic type)

A

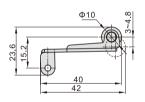
2-04.3 Thru.hole 2-04.3 View from A View from A

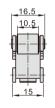


Control set dimension

Roller type(R)

CM3R06-P1



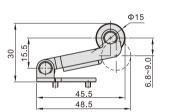


16.5

11.5

Note: CM3R06 control joint, which used in CM3R05 and CM3R06, can not be ordered individually. It should be matched with basic type.

CM3R08-P1



Model

How to Ordering code

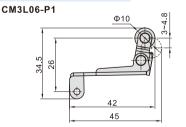
Applicable products

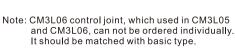
Туре

order

9	_ 16 _	
	Roller type(R)	
	CM3R08-P1	
CM3R	08 roller type contro	Iset

Roller with free return type(L)







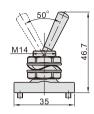
CM3R08

	Model	Roller with free return type(L)
How to	Ordering code	CM3L08-P1
order	Туре	CM3L08Roller with free return type control set
Applic	able products	CM3L08

Control valve(3/2 way, 5/3 way)

CM3 Series

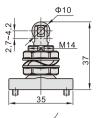
Lever type(Y)





Model		Lever type(Y)		
How to order	Ordering code	CM3Y06-P1		
now to order	Type	CM3Y lever type control set		
Applicable products		CM3Y05 CM3Y06 CM3Y08		

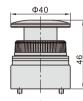
Vertical type(V)





Model		Vertical type (V)
How to order	Ordering code	CM3V06-P1
	Туре	CM3V vertical type control set
Applicable products		CM3V05 CM3V06 CM3V08

Mushroom type(PM)





	Model	Mushroom type (PM)
Ordering code	Ordering code	CM3PM06-P1
	Type	CM3PM mushroom type control set(green)
	Ordering code	CM3PM06-P2
How to	Туре	CM3PM mushroom type control set(red)
order Ordering code	CM3PM06-P3	
	Type	CM3PM mushroom type control set(black)
	Ordering code	CM3PM06-P4
	Type	CM3PM mushroom type control set(yellow)
Applic	able products	CM3PM05 CM3PM06 CM3PM08

Protruding type(PP)

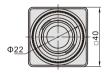




	Model	Protruding type (PP)
	Ordering code	CM3PP06-P1
	Туре	CM3PP protruding type control set(green)
	Ordering code	CM3PP06-P2
How to	Туре	CM3PP protruding type control set(red)
order	Ordering code	CM3PP06-P3
	Туре	CM3PP protruding type control set(black)
	Ordering code	CM3PP06-P4
	Type	CM3PP protruding type control set(yellow)
Applic	able products	CM3PP05 CM3PP06 CM3PP08

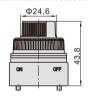
Flat type(PF)





	Model	Flat type(PF)
	Ordering code	CM3PF06-P1
	Type	CM3PF flat type control set(green)
	Ordering code	CM3PF06-P2
How to	Type	CM3PF flat type control set(red)
	Ordering code	CM3PF06-P3
	Type	CM3PF flat type control set(black)
	Ordering code	CM3PF06-P4
	Type	CM3PF flat type control set(yellow)
Applic	able products	CM3PF05 CM3PF06 CM3PF08

Selector type(HS)





	Model	Selector type(HS)
	Ordering code	CM3HS06-P1
	Туре	CM3HS selector type control set(green)
	Ordering code	CM3HS06-P2
How to	Туре	CM3HS selector type control set(red)
order	Ordering code	CM3HS06-P3
	Туре	CM3HS selector type control set(black)
	Ordering code	CM3HS06-P4
	Туре	CM3HS selector type control set(yellow)
Applic	able products	CM3HS05 CM3HS06 CM3HS08

