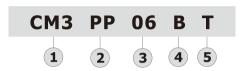


CM3 Series



Ordering code



①Valve's type	②Model	③Port size	4 Button color	⑤Thread	l type	
	B: Basic type			M5	1/8" 1/4"	
	R: Roller type		No this code	-		
	L: Roller with free return type					
	V: Vertical type					
	Y: Lever typer					
	PL: Latching type	05: M5	R: Red			
CM3: CM type 3/2 5/3 way	PP: Protruding type 06: 1/8			No this	T. NDT	
3/2 3/3 Way	PF: Flat type	08: 1/4"	R: Red G: Green B: Black Y: Yellow	code	T: NPT	
	PM: Mushroom type					
	PMS: Mushroom type(with guard)					
	PMX: Big mushroom type(with guard)					
	HS: Selector type					
	HD: Double-selector type	1				

Specification

Model	CM3□-05	CM3□-06	CM3□-08	
Operating		External control		
Fluid	Air (to b	e filtered by 40 µm filter	element)	
Pressure range		0~145psi(0~1.0MPa)		
Proof pressure		215psi(1.5MPa)		
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] NPT thread is available.



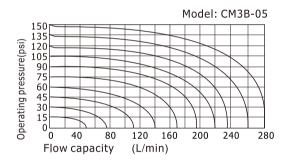


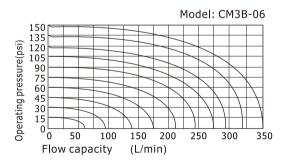
CM3 Series

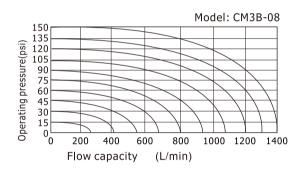
Product feature

- 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.
- 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.

Flow chart







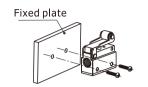


CM3 Series

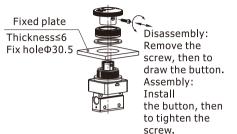
Installation and Application

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

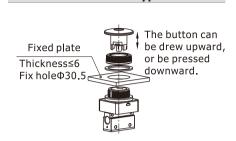
Fixation way of body



Latching type



Mushroom type



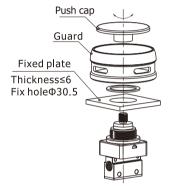
Fixation way of panel I



Fixation way of panel II

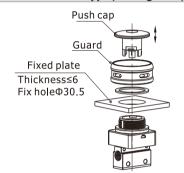
Fixed plate
Thickness≤6
Fix holeФ14.5

Big mushroom type(With guard)



Disassembly: Remove the push cap, then remove the guard. Assembly: Install the guard, then to tighten the push cap.

Mushroom type(With guard)



Disassembly: Untighten the guard first, then remove the push cap with the guard.

Assembly: Install the guard, then to tighten the push cap.

- 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
- 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.

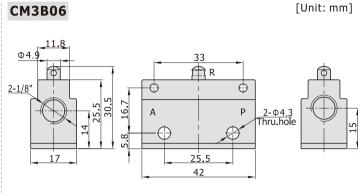


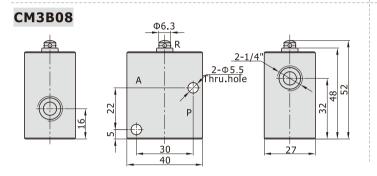


CM3 Series

Dimension (Basic type)

2-04.3 Thru.hole 25.5 42 View from A View from A

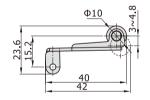


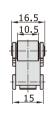


Control set dimension

Roller type(R)

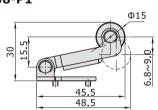
CM3R06-P1

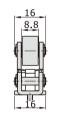




Note: CM3R06 control joint, which used in CM3R05 and CM3R06, can not be ordered individually. It should be matched with basic type.

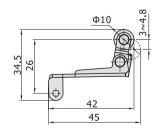
CM3R08-P1

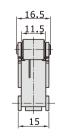




Model		Roller type(R)
How to	Ordering code	CM3R08-P1
order	Туре	CM3R08 roller type control set
Applicable products		CM3R08

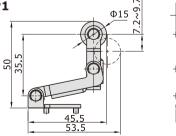
Roller with free return type(L) CM3L06-P1





Note: CM3L06 control joint, which used in CM3L05 and CM3L06, can not be ordered individually. It should be matched with basic type.

CM3L08-P1



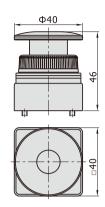
Model		Roller with free return type(L)
How to	Ordering code	CM3L08-P1
order	Туре	CM3L08Roller with free return type control set
Applicable products		CM3L08





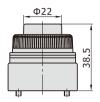
CM3 Series

Mushroom type(PM)



Model		Mushroom type (PM)
	Ordering code	CM3PM06-P1
	Туре	CM3PM mushroom type control set(green)
	Ordering code	CM3PM06-P2
How to	Туре	CM3PM mushroom type control set(red)
order	Ordering code	CM3PM06-P3
	Туре	CM3PM mushroom type control set(black)
	Ordering code	CM3PM06-P4
	Туре	CM3PM mushroom type control set(yellow)
Applicable products		СМЗРМ05 СМЗРМ06 СМЗРМ08

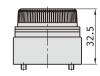
Protruding type(PP)

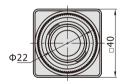




Model		Protruding type (PP)
	Ordering code	CM3PP06-P1
	Туре	CM3PP protruding type control set(green)
	Ordering code	CM3PP06-P2
How to	Туре	CM3PP protruding type control set(red)
order	Ordering code	CM3PP06-P3
	Туре	CM3PP protruding type control set(black)
	Ordering code	CM3PP06-P4
	Туре	CM3PP protruding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

Flat type(PF)





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

Selector type(HS)





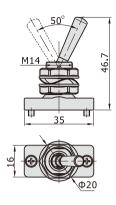
Model		Selector type (HS)
 	Ordering code	CM3HS06-P1
 	Туре	CM3HS selector type control set(green)
 	Ordering code	CM3HS06-P2
How to	Туре	CM3HS selector type control set(red)
order	Ordering code	CM3HS06-P3
 	Туре	CM3HS selector type control set(black)
	Ordering code	CM3HS06-P4
	Туре	CM3HS selector type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

A



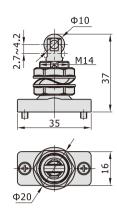
CM3 Series

Lever type(Y)



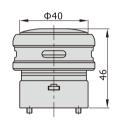
Model		Lever type(Y)
How to	Ordering code	CM3Y06-P1
order	Туре	CM3Y lever type control set
Applicable products		CM3Y05 CM3Y06 CM3Y08

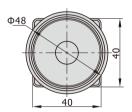
Vertical type(V)



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

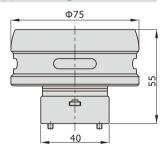
Mushroom type(with guard)(PMS)

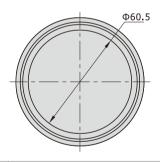




Model Mushroom type(with guard) (PMS) Ordering code CM3PMS06-P1 Туре CM3PMS mushroom type control set(green with guard) Ordering code CM3PMS06-P2 How Туре CM3PMS mushroom type control set(red with guard) order Ordering code CM3PMS06-P3 CM3PMS mushroom type control set(black with guard) Type Ordering code CM3PMS06-P4 Туре CM3PMS mushroom type control set(yellow with guard) Applicable products CM3PMS05 CM3PMS06 CM3PMS08

Big mushroom type(with guard)(PMX)





	Model	Big mushroom type(with guard)(PMX)	
	Ordering code	CM3PMX06-P1	
	Туре	CM3PMX big mushroom type control set(green with guard)	
	Ordering code	CM3PMX06-P2	
How	Туре	CM3PMX big mushroom type control set(red with guard)	
order	Ordering code	CM3PMX06-P3	
		CM3PMX big mushroom type control set(black with guard)	
-	Ordering code	CM3PMX06-P4	
	Type	CM3PMX big mushroom type control set(yellow with guard)	
Appli	cable products	СМЗРМХ05 СМЗРМХ06 СМЗРМХ08	



CM3 Series

Latching type(PL)

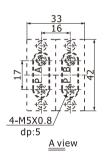


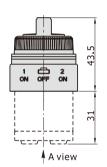


Model		Latching type(PL)
How to order	Ordering code	CM3PL06-P2
	Туре	CM3PL latching type control set(red)
Applicable products		CM3PL05 CM3PL06 CM3PL08

Double-selector type(HD)

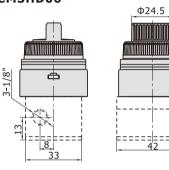
CM3HD05

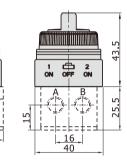






CM3HD06

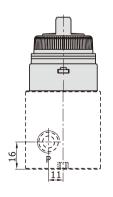


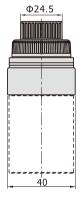


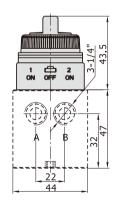




CM3HD08









Model		Double-selector type (HD)
How to order	Ordering code	CM3HD06-P1
	Туре	CM3HD double-selector type control set(green)
	Ordering code	CM3HD06-P2
	Туре	CM3HD double-selector type control set(red)
	Ordering code	CM3HD06-P3
	Туре	CM3HD double-selector type control set(black)
	Ordering code	CM3HD06-P4
	Туре	CM3HD double-selector type control set(yellow)
Applicable products		CM3HD05 CM3HD06 CM3HD08

Note: CM3HD control joint can be ordered individually, but should be matched with the body of CM3HD.

