

# Made to Order Common Specifications: -XB7: Cold Resistant Cylinder (-40 to 70°C)



Symbol

**-XB7**

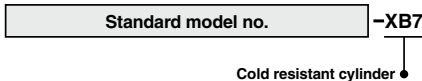
## 3 Cold Resistant Cylinder (-40 to 70°C)

Air cylinder which changed the seal material and grease, so that it could be used even at lower temperature down to -40°C.

### Applicable Series

Series	Description	Model	Action	Note	Vol. no. (for std model)
CJP2	Pin cylinder	CJP2	Double acting, Single rod	Except clevis, trunnion type, with auto switch, ø4. Packing set (7)	Web Catalog
CJ2	Air cylinder	CJ2-Z	Double acting, Single rod	Except with air cushion and auto switch, rod end bracket, pivot bracket	
		CJ2W-Z	Double acting, Double rod	Except with air cushion and auto switch, rod end bracket, pivot bracket	
CM2	Air cylinder	CM2-Z	Double acting, Single rod	Except with rod boot, with air cushion, with auto switch, rod end bracket, pivot bracket	
		CM2W-Z	Double acting, Double rod	Except with rod boot, with air cushion, with auto switch, rod end bracket, pivot bracket	
	Direct mount type	CM2R-Z	Double acting, Single rod	Except with air cushion, auto switch	
CG1	Air cylinder	CG1-Z	Double acting, Single rod	Except with air cushion, auto switch. Cylinders with a rubber bumper have no bumper.	
		CG1W-Z	Double acting, Double rod	Except with air cushion, auto switch. Cylinders with a rubber bumper have no bumper.	
	Direct mount type	CG1R-Z	Double acting, Single rod	Except with air cushion, auto switch. Cylinders with a rubber bumper have no bumper.	
CU	Free mount cylinder	CU	Double acting, Single rod	Except with auto switch	
	Non-rotating rod type	CUK	Double acting, Single rod	Except with auto switch	
	Long stroke	CU	Double acting, Single rod	Except with auto switch	
	Long stroke, Non-rotating rod	CUK	Double acting, Single rod	Except with auto switch	
CQS	Compact cylinder	CQS	Double acting, Single rod	Except with auto switch, with rubber bumper, with bracket	
		CQSW	Double acting, Double rod	Except with auto switch, with rubber bumper, with bracket	
CQ2	Compact cylinder	CQ2-Z	Double acting, Single rod	ø12 to ø40. Except with auto switch magnet, with rubber bumper, with bracket	
		CQ2W-Z	Double acting, Double rod	ø12 to ø40. Except with auto switch magnet, with rubber bumper, with bracket	
	Axial piping type (Centralized piping type)	CQP2	Double acting, Single rod	ø12 to ø40. Except with auto switch magnet, with rubber bumper, with bracket	

### How to Order



### Specifications

Ambient temperature range	-40 to 70°C
Seals material	Low nitrile rubber
Grease	Cold resistant grease
Auto switch	Not mountable
Dimensions	Same as standard type
Additional specifications	Same as standard type

### Warning Precautions

Be aware that smoking cigarettes, etc. after your hands have come into contact with the grease used in this cylinder can create a gas that is hazardous to humans.

- Note 1) Operate without lubrication from a pneumatic system lubricator.
- Note 2) Use dry air which is suitable for heatless air dryer, etc. not to cause the moisture to be frozen.
- Note 3) Please contact SMC for details on the maintenance intervals for this cylinder, which differ from those of the standard cylinder.
- Note 4) Mounting auto switch is impossible.
- Note 5) Please contact SMC for the one with rubber bumper for CQ2, CQS.
- Note 6) No cushion type is adopted.  
Piston speed is ranged from 50 to 500 mm/s.
- Note 7) Refer to the construction of the standard type for the details of the packing set for CJP2□6,10 and 16.