

Dustproof Products

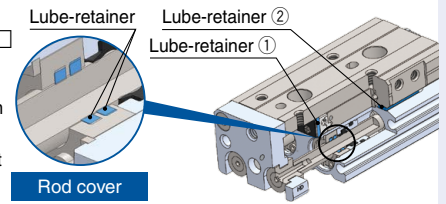
* Not compatible with the secondary battery specifications

High Durability Series Dust Resistant Cylinder CM2/CG1/MB/CQ2/MGP/MXQ-XC4□

- Up to **6 times** more durable in dusty environments (-XC4A/-XC4B/-XC4C)
- Applicable powder particle size: 20 to 100 μm
- Suitable for environments with ceramic powder, toner powder, paper powder, and metallic powder
- * Excludes weld spatter
- Can be selected according to the application

MXQ-XC4A

- Lube-retainers are installed on the guide unit and rod cover.
- This prevents the entry of dust and foreign matter.



Description	Applicable powder particle size	Structure (CQ2)	Durability
With 2 Lube-retainers XC4A	20 to 50 μm		4 times Standard model
With heavy-duty scraper + Lube-retainer XC4B	30 to 100 μm		6 times Standard model
With heavy-duty scraper XC4C	50 to 100 μm		2 times Standard model

Applicable Cylinders

Air Cylinder CM2-XC4□ ø20 to ø40		Air Cylinder CG1-XC4□ ø20 to ø100		Air Cylinder MB-XC4□ ø32 to ø100		Compact Cylinder CQ2-XC4□ ø20 to ø63	
Compact Guide Cylinder MGP-XC4□ ø12 to ø100		Air Slide Table MXQ-XC4A ø6 to ø25					

Explosion-proof Products

* Not compatible with the secondary battery specifications

Explosion-proof Solenoid Valves

For Japan (TIIS certification)

- Intrinsically Safe Explosion-proof System 5-Port Solenoid Valve
- 51-SY5000/7000/9000 Series

Ex ia IIB T4

- Explosion-proof (Flameproof) 3/5-Port Solenoid Valve
- 50-VFE/VPE Series

d2G4, Ex d IIB T4

For China (CCC certification)

- Intrinsically Safe Explosion-proof 5-Port Solenoid Valve
- 52-SY5000/7000/9000-X140 Series

Ex ia IIC T4 to T6 Gb

- Explosion-proof (Flameproof) 3/5-Port Solenoid Valve
- 50-VFE/VPE-X140 Series

Ex d IIC T5/T6 Gb
Ex tD A21 IP6X T85°C/T100°C

For Taiwan (TS certification)

- Explosion-proof (Flameproof) 3/5-Port Solenoid Valve
- 50-VFE/VPE-X170 Series

Ex db IIC T5/T6 Gb
Ex tb IIIC T100°C/T85°C Db

For Europe (CE marking, ATEX directive)

- Intrinsically Safe Explosion-proof System
- 5-Port Solenoid Valve/52-SY5000/7000/9000

II 2G Ex ia IIC T4...T5 Gb Ta: -10°C to +50°C
II 2G Ex ia IIC T6 Gb Ta: -10°C to +45°C
[Certification no.: DEKRA 11ATEX0273 X]

- Explosion-proof (Flameproof) 3/5-Port Solenoid Valve
- 50-VFE/VPE-X60 Series

II 2G Ex db IIC T5 Gb Ta: -10°C TO +50°C
II 2G Ex db IIC T6 Gb Ta: -10°C TO +40°C
II 2D Ex tb IIIC T100°C Db Ta: -10°C TO +50°C
II 2D Ex tb IIIC T85°C Db Ta: -10°C TO +40°C
[Certification no.: KEMA 09ATEX0024X]

For Korea (KOSHA certification)

- Explosion-proof (Flameproof) 3/5-Port Solenoid Valve
- 50-VFE/VPE-X100 Series

Ex d IIB T4

For North America (UL 913/CSA C22.2 No. 157)

- Intrinsically Safe Explosion-proof
- Pilot Operated 5-Port Solenoid Valve: 53-SY5000/7000/9000 Series

Electrical Entry TT
Hazardous Location
Class I, II, III
Division 1
Groups A, B, C, D, E, F, G

Electrical Entry L and LL
Hazardous Location
Class I
Division 1
Groups A, B, C, D