

Valve Mounted Air Cylinders

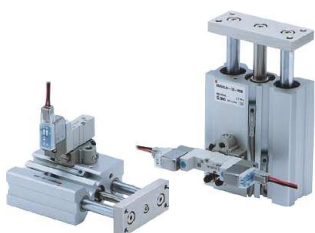
Valve Mounted Air Cylinder CV□/CDV□



- Valve is mounted on a round cylinder.
- Built-in speed controller for some models
- A cylinder with a valve makes it easy to adjust the speed.
- With auto switch (CDVJ series: CDVJ5, CDVJ3, CDVM series: CDVM5, CDVM5K, CDVM3, CDVM3K, CDV3 series: CDV3, CDV3K, CDVS1 series: CDVS1, CDVS1K)

Type	Series	Action	Bore size [mm]	Component: Cylinder	Component: Valve
Standard	CVJ5	Double acting	10, 16	CJ2	SYJ3190
Standard	CVJ3	Single acting (Spring return/extend)	10, 16	CJ2	SYJ319
Standard	CVM5	Double acting	20, 25, 32, 40	CM2	VZ3□90
Standard	CVM3	Single acting (Spring return/extend)	20, 25, 32, 40	CM2	VZ319
Standard	CV3	Double acting	40, 50, 63, 80, 100	CA1	V3□08
Standard	CVS1	Double acting	40, 50, 63, 80, 100	CS1	VS4□24
Non-rotating rod	CVM5K	Double acting	20, 25, 32, 40	CM2K	VZ3□90
Non-rotating rod	CVM3K	Single acting (Spring return/extend)	20, 25, 32, 40	CM2K	VZ319
Non-rotating rod	CV3K	Double acting	40, 50, 63	CA1K	V3□08
Non-rotating rod	CVS1K	Double acting	40, 50, 63	CS1K	VS4□24

Valve Mounted Guide Cylinder MVGQ



- A valve, speed controller, and cylinder are combined in one unit.

Type	Series	Bore size [mm]	Applicable valve
Slide bearing	MVGQM	12, 16, 20	SYJ3000
Slide bearing	MVGQM	25, 32, 40, 50, 63	VZ3000
Ball bushing bearing	MVGQL	25, 32, 40, 50, 63	VZ5000
Ball bushing bearing	MVGQL	80, 100	VF3000

ISO Cylinders

ISO Standard Air Cylinder C85/CD85



- Compliant with ISO Standards (6432)
- With auto switch (CD85 series: CD85, CD85W, CD85K, CD85R)

Type	Series	Action	Bore size [mm]
Standard	C85	Double acting, Single rod	8, 10, 12, 16, 20, 25
Standard	C85W	Double acting, Double rod	8, 10, 12, 16, 20, 25
Standard	C85	Single acting (Spring return/extend)	8, 10, 12, 16, 20, 25
Non-rotating rod	C85K	Double acting, Single rod	8, 10, 12, 16, 20, 25
Non-rotating rod	C85K	Single acting (Spring return/extend)	8, 10, 12, 16, 20, 25
Direct mount	C85R	Double acting, Single rod	8, 10, 12, 16, 20, 25

ISO Cylinder CP96/CP96SD



- Compliant with ISO Standards (15552)
- Lightweight: Max. 15% reduction
- Cycle time shortened by adopting a new cushion method (Air cushion + Bumper cushion)
- The bumper cushion reduces the metal noise that occurs when the piston stops.

Type	Series	Action	Bore size [mm]
Standard	CP96	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100
Non-rotating rod	CP96K	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100

ISO Cylinders

ISO Standard Air Cylinder **CP96/CP96SD**



- Compliant with ISO Standards (15552)
- Cushion valve can easily be adjusted.
- Grooves arranged on 4 surfaces for CNOMO, D-M9□, and A9□
- With auto switch (CP96SD series: CP96SD, CP96KD)

Type	Series	Action	Bore size [mm]
Standard	CP96	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100, 125
Non-rotating rod	CP96K	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100

ISO Cylinder **C96/C96SD**



- Compliant with ISO Standards (15552)
- Lightweight: Max. 17% reduction
- Cycle time shortened by adopting a new cushion method (Air cushion + Bumper cushion)
- The bumper cushion reduces the metal noise that occurs when the piston stops.

Type	Series	Action	Bore size [mm]
Standard	C96	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100
Non-rotating rod	C96K	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100
Smooth cylinder	C96Y	Double acting, Single rod	32, 40, 50, 63, 80, 100

ISO Standard Air Cylinder **C96/C96SD**



- Compliant with ISO Standards (15552)
- Cushion valve can easily be adjusted.
- With auto switch (C96SD series: C96SD, C96KD, C96YD)

Type	Series	Action	Bore size [mm]
Standard	C96	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100, 125
Non-rotating rod	C96K	Double acting, Single rod Double acting, Double rod	32, 40, 50, 63, 80, 100
Smooth cylinder	C96Y	Double acting, Single rod	32, 40, 50, 63, 80, 100, 125

ISO Standard Compact Cylinder **C55/CD55**



- Compliant with ISO Standards (21287)
- It is possible to mount small auto switches on 4 surfaces.
- With auto switch (CD55 series: CD55)

Type	Series	Action	Bore size [mm]
Standard	C55	Double acting, Single rod	20, 25, 32, 40, 50, 63, 80, 100

Hygienic Design Cylinder/ISO Standard Type **HYC**



- Compliant with ISO Standards (VDMA)
- Easily washable configuration, Improved water resistant air cylinder
- 5 times the lifespan of the improved water resistant cylinder (SMC comparison)
- With auto switch (HYDC series: HYDC)

Type	Series	Action	Bore size [mm]
ISO Standard type	HYC	Double acting	32, 40, 50, 63