

Valve Mounted Air Cylinders

Valve Mounted Compact Cylinder **CVQ**



- Integrated valve and compact cylinder
- Saves manpower, space, and energy

Type	Series	Action	Bore size [mm]	Component: Cylinder	Component: Valve
Standard	CVQ	Double acting	32, 40, 50, 63	CQ2	SY3000

Compact Cylinder with Solenoid Valve/Guide Rod Type **CVQM**



- A guide rod and solenoid valve have been integrated in the CQ2 series compact cylinder.
- Non-rotating accuracy: $\pm 0.2^\circ$ or less
- Lateral load resistance 2 to 4 times that of the CDQ2 series compact cylinder
- Loads can be directly mounted.
- Mounting pitch is interchangeable with the CQ2 series.
- Saves manpower, space, and energy

Type	Series	Action	Bore size [mm]	Component: Cylinder	Component: Valve
Standard	CVQM	Double acting	32, 40, 50, 63	CQM	SY3000

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