

# MVGQ Series

## Weight (kg)

Bearing type	Bore size (mm)	Type	Standard stroke (mm)											
			10	20	30	40	50	75	100	125	150	175	200	
Slide bearing	12	MVGQM12	0.23	0.28	0.32	0.35	0.39	0.49	0.59	–	–	–	–	
	16	MVGQM16	0.35	0.40	0.46	0.51	0.56	0.69	0.81	–	–	–	–	
	20	MVGQM20	–	0.55	0.62	0.70	0.77	0.95	1.10	1.25	1.40	1.55	1.70	
Ball bushing bearing	12	MVGQL12	0.24	0.27	0.30	0.36	0.39	0.47	0.54	–	–	–	–	
	16	MVGQL16	0.36	0.40	0.45	0.53	0.58	0.71	0.83	–	–	–	–	
	20	MVGQL20	–	0.55	0.61	0.71	0.76	0.91	1.05	1.19	1.33	1.47	1.61	

Note) The factors indicated above are of the single solenoid with grommet (G). Add 0.01 kg for the double solenoids.

## Changing between Rod Extended when Energized and Rod Retracted when Energized

SYJ3000

## How to Handle Speed Controller

It is able to switch between rod extended when energized and rod retracted when energized by the mounting orientation of the selector plate.

When the coil (B side coil) of the single solenoid valve is energized, the cylinder will move in the  $\rightarrow$  ("→") direction.

The installed orientation of the adapter can be changed 180°. Refer to Fig. (2), which shows the relationship of the installed orientation of the selector plate adapter. Ordinarily, the speed controller is shipped as shown in Fig. (2) (a) or (b). But if you would like to change the orientation of speed controllers, use them in (c) or (d) shown in Fig. (2).

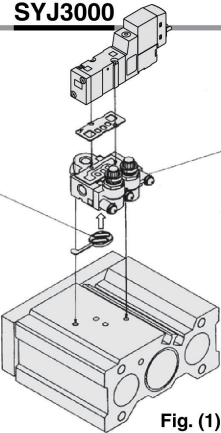


Fig. (1)

When the speed controller that is on the side of the coil (B side coil) of the single solenoid valve is in the meter-out mode, it controls the speed of the selector plate's  $\rightarrow$  ("→") direction. When it is in the meter-in mode, it controls the speed of the direction that is opposite to the selector plate's  $\rightarrow$  ("→") direction. Refer to Fig. (3) (for the meter-out mode).

Fig. (2)

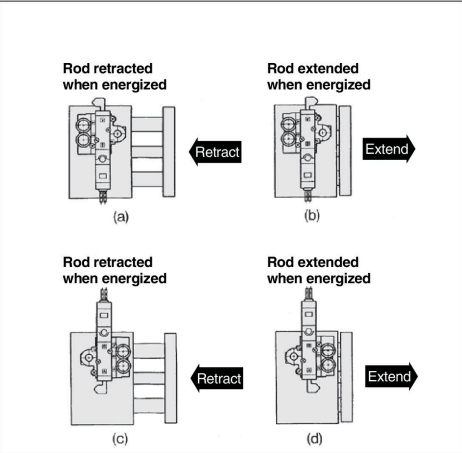


Fig. (3)

