

Series CQ2

Clean Series

10-C□Q2B **Bore size** — **Stroke** **D(M)Z**

• Clean Series

10	Relief type
11	Vacuum type

• Ø12, Ø16, Ø20, Ø25, Ø32
Ø40, Ø50, Ø63, Ø80, Ø100

The type which is applicable for using inside the clean room graded Class 100 by making an actuator's rod section a double seal construction and discharging by relief port directly to the outside of clean room.



Specifications

Bore size (mm)	12	16	20	25	32	40	50	63	80	100
Action	Double acting, Single rod									
Proof pressure	1.5 MPa									
Maximum operating pressure	1.0 MPa									
Cushion	None <small>Note)</small>									
Piston speed	30 to 400 mm/s							30 to 300 mm/s		
Mounting	Through-hole									

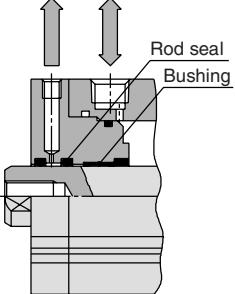
Note) Ø12 with switch: With rubber bumper (Standard)

For details, refer to the separate catalog, "Pneumatics Equipment for Clean Room (CAT.E02-23)".

Construction

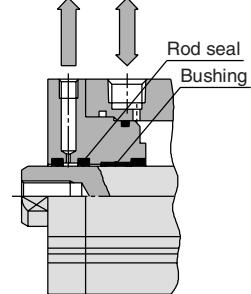
Series 10-CQ2
(Double seal)

Relief port



Series 11-CQ2
(Single seal, Vacuum suction)

Vacuum port
(Vacuum suction)



A relief port is provided in the area between the double rod seals to discharge the exhaust air outside of the clean room. Thus, the amount of dust generated has been reduced to 1/20 of that of an ordinary cylinder.

Structurally identical to the "10-" series, the outer rod seal has been removed to evacuate through the vacuum port. This draws out any external air from the clearance between the rod and the cover to practically eliminate the generation of external dust. This should be used in an application that requires an even higher level of cleanliness than the 10- series.

