

Rodless Cylinder for Vacuum

Series *CYV*

ø15, ø32



How to Order

CYV **15** — **200**

Bore size

15	15 mm
32	32 mm

Standard stroke

Bore size (mm)	Standard stroke (mm)
15, 32	100, 150, 200, 250 300, 350, 400, 450 500, 600, 700

Specifications

Bore size (mm)	15	32
Operating environment pressure	Atmosphere to 1.3×10^{-4} Pa (ABS)	
Operating atmosphere	Air/Inert gas	
Fluid	Air/Inert gas	
Action	Double acting	
Proof pressure	0.5 MPa	
Operating pressure range	0.05 to 0.3 MPa	
Leakage	1.3×10^{-7} Pa·m ³ /sec or less (at normal temperatures, excluding gas permeation)	
Maximum baking temperature	150°C	
Ambient and fluid temperature	-10 to 60°C	
Piston speed	50 to 300 mm/s	
Stroke adjustment	-2 to 0 mm on each side (-4 to 0 mm total)	
Cushion	Sine cushion (Air cushion)	
Port size	5/16-24 UNF	7/16-20 UNF
Lubrication	Vacuum grease for linear guide unit and inside the cylinder tube	

Weight

Model	Standard stroke (mm)											(kg)
	100	150	200	250	300	350	400	450	500	600	700	
CYV15	1.2	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.8	3.2	
CYV32	4.2	4.6	5.0	5.5	5.9	6.3	6.7	7.1	7.5	8.3	9.1	

Magnetic Holding Force

Bore size (mm)	Magnetic holding force (N)
15	59
32	268

Theoretical Output

Bore size (mm)	Piston area (mm ²)	Operating pressure (MPa)			(N)
		0.1	0.2	0.3	
15	176	18	35	53	
32	804	80	161	241	

MX□

MTS

MY□

CY□

MG□

CX□

D-

-X

20-

Data