

Clean Air Small Cylinder / Double Acting, Double Rod Series CR(CV)AXW

Bore Size : ϕ 20, ϕ 25, ϕ 32, ϕ 40



- Cylinder in low particle generation for clean room.
- Piston rod is made in the material quality of stainless steel to enhance resistance against moisture and other chemicals.
- Exclusive grease use, dust generation is minimized when cylinder is acting.
- Compact appearance and lightweight, easy installation.

How to Order

CR(CV) — **AXW** **B 20** — **125** — — **W5**

1 2 3 4 5 6 7 8

1 Clean Series

CR : Relief Port Type
CV : Vacuum Suction Type

2 Air Cylinder(double acting, double rod)

basic type : built-in magnet

3 Attaching Type

B : basic type
L : foot type in the axial direction
F : type of flange at the rod side

4 Bore Size

20 : 20mm 25 : 25mm
32 : 32mm 40 : 40mm

5 Cylinder Stroke(mm)

Please refer to the table of cylinder stroke.

6 Cushion

Blank : rubber cushion type
A : air cushion type
XC16 : Palpitation is impossible.

7 Sorts of Auto Switch

no symbol : no auto switch
(cylinder with built-in magnet)
auto switch with contacting point
- band attaching type(grommet)
- W5
※ The standard length of lead wire is 0.5m

※ For length lead wire over 3m, L is added to the end of part number.
※ For length lead wire over 5m, please contact us.

8 Symbols of Auto Switch

Blank : 2 pieces attached
S : 1 piece attached
n : n pieces attached

Specifications

Bore size	ϕ 20, ϕ 25, ϕ 32, ϕ 40	
Models	Relief Port Type, Vacuum Suction Type	
Operation Type	Double Acting, Double Rod(Non-Lubrication)	
Port Size	ϕ 20, 25, 32	Rc(PT) 1/8
	ϕ 40	Rc(PT) 1/4
Fluid	Air	
Proof Pressure	1.5MPa(217.6psi)	
Max. Operation Pressure	1.0MPa(140.8psi)	
Min. Operation Pressure	0.05MPa(7.1psi)	
Ambient and Fluid Temperature · °C(°F)	-10°C~70°C(14~158°F)(Anti Freezing)	
Cushion	Rubber, Air Cushion	
Stroke Tolerance	$^{+1.4}_0$ mm	
Piston Speed	50~400mm/s	

Table of standard stroke/air pressure(no lubrication type)

(Unit:mm)

Bore Size	Cylinder stroke
20,25,32,40	25,50,75,100,125,150,175,200,250,300

Bracket/parts number

Bore Size	20	25	32	40
foot in the axial direction	TCM-L020B	TCM-L032B	TCM-L040B	
Flange	TCM-F020B	TCM-F032B	TCM-F040B	
Trunnion(attaching nut)	TCM-T020B	TCM-T032B	TCM-T040B	

※ Foot must be ordered in 2 units for 1 cylinder.

Band to attach auto switch/parts number

Type of auto switch	Inner diameter of tube(mm)			
	20	25	32	40
W5	TBM2-020	TBM2-025	TBM2-032	TBM2-040