



FUJIKURA COMPOSITES

BF cylinder "LC" series

Minimal low friction double action type cylinder.

■ Features

- It is compact in shape and can be used in side by space saving.
- Because there is no rod seal, the resistance is the smallest among the double action type.
- Smooth operation is possible even after a long stop.
- Since there is no air leakage, almost no dust is generated.



■ Specification

Operating style	Double action type		
Cylinder diameter mm[in.]	10 [0.39]	20 [0.79]	31.5 [1.24]
Stroke mm[in.]	5 [0.20]	20 [0.79]	35 [1.38]
Working fluid	Clean compressed air		
Working pressure range Mpa[psi]	0.01~ 0.5 [1.45 ~ 72.52]		
Working temperature °C [F]	0~ 60 [32 ~ 140]		
Bearing	Linear ball bearing *1		
Mount type	None		

* 1: BF diaphragm can be manufactured with fluorine rubber as clean room specification.

■ What's BF diaphragm?

- Perfect Leak-proof.
- Virtually no hysteresis-loss in smooth movement by rolling action.
- Low start up pressure and responsive to minute pressure variations by thin diaphragms made by basic cloth and rubber.
- Smooth movement at low speed.
- No lubricator required.
- Steady working pressure range at any strokes and steady output pressure.
- Available to change materials and to adapt to specific circumstances or forms.

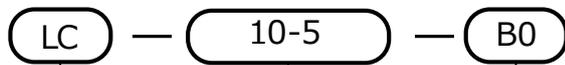




■ Application

- Precision press control (high decomposition load) : Lamination of ultrathin plates
- Tension control for film, paper, fiber
- High precision load control for lens polishing machine, crimping machine.

■ Model designation



Model name

Cylinder diameter- Stroke mm[in.]
10-5 [0.39-0.20]
20-20 [0.79-0.79]
31.5-35 [1.24-1.38]

Linear ball bearing	
B0	No seals
B1	Seals for both sides



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