

## BC Cleanroom Series - Basic Cylinders



There is nothing basic about a cylinder series that has been tested to exceed 15 million cycles as compared to the industry average of only 3 million cycles. The BC Series offers the longest lasting, lightest weight, and smallest physical size block cylinder on the market with the most competitive price.

- Industry Leading Cycle Life
- Low Minimum Operating Pressure - Speeds Down to 10 mm/s
- RoHS Compliance
- Smallest, Lightweight, Compact
- Utilizes Standard Integrated 4 mm Sensor Groove

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

### Operations

Double Acting Clean System with Dust Collection Port

Double Acting Clean System without Dust Collection Port

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Model	Operation	Bore mm	Standard Strokes mm [in]	Max Stroke mm [in]	Port Size metric [imperial]	Max Force - Push N [lbf]	Max Force - Pull N [lbf]	Speed Range mm/s [in/s]	Pressure Range MPa [psi]	Temperature Range °C [°F]
CS-BC	Double Acting Clean System with Dust Collection Port	10	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	12	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	16	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	105 [24]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	20	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	165 [37]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	25	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	343 [77]	264 [59]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	32	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	563 [127]	422 [95]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]

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Model	Operation	Bore mm	Standard Strokes mm [in]	Max Stroke mm [in]	Port Size metric [imperial]	Max Force - Push N [lbf]	Max Force - Pull N [lbf]	Speed Range mm/s [in/s]	Pressure Range MPa [psi]	Temperature Range °C [°F]
CS-BC	Double Acting Clean System with Dust Collection Port	40	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	50	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	1,374 [309]	1,154 [259]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CS-BC	Double Acting Clean System with Dust Collection Port	63	10 - 100 [upon request]	200 [7.9]	Rc 1/4 [upon request]	2,181 [490]	1,961 [441]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	6	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	19.8 [4.5]	11 [2.5]	10 - 300 [0.4 - 11.8]	0.12 - 0.7 [17.4 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	8	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	35.2 [7.9]	21.4 [4.8]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	10	5 - 30 [upon request]	50 [2.0]	M3 x 0.5 [upon request]	55 [12.4]	41.2 [9.3]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	12	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	79.1 [17.8]	59.4 [13.4]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	16	5 - 30 [upon request]	100 [3.9]	M5 x 0.8 [upon request]	141 [32]	105 [24]	10 - 300 [0.4 - 11.8]	0.06 - 0.7 [8.7 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	20	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	220 [49]	165 [37]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
CSL-BC	Double Acting Clean System without Dust Collection Port	25	5 - 50 [upon request]	125 [4.9]	M5 x 0.8 [upon request]	343 [77]	264 [59]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
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CSL-BC	Double Acting Clean System without Dust Collection Port	40	10 - 100 [upon request]	200 [7.9]	Rc 1/8 [upon request]	879 [198]	739 [166]	10 - 300 [0.4 - 11.8]	0.05 - 0.7 [7.3 - 101.5]	0 - 60 [32 - 140]
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