



## EA / HEA / EB / HEB Cleanroom Series - Indirect Acting Solenoid Valves

This 10 mm wide valve series provides reliable directional control of cylinders up to 25 mm bore while consuming as little as 0.15 watts of power.

- Lead Wire or Plug-in Connector
- High Versatility in a Compact Package
- Low-Current / Low Power Option
- Inline, Subbase or Monoblock Manifold
- Fast Response Option
- RoHS Compliance

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

2/2, 3/2 Single Clean System  
5/2 Double Low Current Clean System  
5/2 Single Quick Response Clean System

2/2, 3/2 Single Low Current Clean System  
5/2 Double Quick Response Clean System

2/2, 3/2 Single Quick Response Clean System  
5/2 Single Clean System

5/2 Double Clean System  
5/2 Single Low Current Clean System

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Model	Operation	Valve Width mm [in]	Flow Rate Cv	Orifice Size mm [in]	Port Sizes metric [imperial]	Mounting	Piping	Voltages	Power Consumption W	Max Frequency Hz	Pressure Range MPa [psi]	Temperature Range °C [°F]
CS-EB10F2	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F2	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F3	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F4	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F4	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]

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Model	Operation	Valve Width mm [in]	Flow Rate Cv	Orifice Size mm [in]	Port Sizes metric [imperial]	Mounting	Piping	Voltages	Power Consumption W	Max Frequency Hz	Pressure Range MPa [psi]	Temperature Range °C [°F]
CS-EB10F1	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F1	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F3	2/2, 3/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10FIL	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F2L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F3L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F4L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F1L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F3L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F4L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F2L	2/2, 3/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F4S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F1S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F2S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F1S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]

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Model	Operation	Valve Width mm [in]	Flow Rate Cv	Orifice Size mm [in]	Port Sizes metric [imperial]	Mounting	Piping	Voltages	Power Consumption W	Max Frequency Hz	Pressure Range MPa [psi]	Temperature Range °C [°F]
CS-EA10F3S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F4S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F3S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EB10F2S	2/2, 3/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F6	5/2 Double Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F6L	5/2 Double Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F6S	5/2 Double Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F5	5/2 Single Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	12, 24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F5L	5/2 Single Low Current Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.15 - 0.55	2	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-EA10F5S	5/2 Single Quick Response Clean System	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	1.1 - 3	10	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]