



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

10mm width valve series providing reliable directional control of cylinders up to 25mm bore while consuming as little as 0.15watt power consumption. The Selection Guide provides a summary of the 54 different EA / HEA / EB / HEB Series - Indirect Acting Solenoid Valves.

- Lead Wire or Plug-in Connector
- High Versatility in a Compact Package
- Cleanroom 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	2/2, 3/2 Single Clean System	2/2, 3/2 Single Low Current	2/2, 3/2 Single Low Current Clean System
2/2, 3/2 Single Quick Response	2/2, 3/2 Single Quick Response Clean System	5/2 Double	5/2 Double Low Current
5/2 Double Quick Response	5/2 Single	5/2 Single Low Current	5/2 Single Quick Response

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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]
EB10F3 / HEB10F3	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
EA10F2 / HEA10F2	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F3 / HEA10F3	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F4 / HEA10F4	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F4 / HEB10F4	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F2 / HEB10F2	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
EB10F1 / HEB10F1	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC	0.55	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
EA10F1 / HEA10F1	2/2, 3/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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-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-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-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-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-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-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-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]
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]
EA10F4L / HEA10F4L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F2L / HEA10F2L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F1L / HEA10F1L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F3L / HEA10F3L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]

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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]
EB10F3L / HEB10F3L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10FIL / HEB10FIL	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F4L / HEB10F4L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F2L / HEB10F2L	2/2, 3/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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-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-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-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-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-EB10FIL	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-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-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]
EB10F1S / HEB10F1S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F2S / HEB10F2S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F3S / HEA10F3S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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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EA10F1S / HEA10F1S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F2S / HEA10F2S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F3S / HEB10F3S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F4S / HEA10F4S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EB10F4S / HEB10F4S	2/2, 3/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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-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-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-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-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-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]
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]
EA10F6 / HEA10F6	5/2 Double	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
EA10F6L / HEA10F6L	5/2 Double Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]

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<a href="#">EA10F6S / HEA10F6S</a>	5/2 Double Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
<a href="#">EA10F5 / HEA10F5S</a>	5/2 Single	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
<a href="#">EA10F5L / HEA10F5L</a>	5/2 Single Low Current	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]
<a href="#">EA10F5S / HEA10F5S</a>	5/2 Single Quick Response	10 [0.39]	0.072	1.3 [0.051]	M5 x 0.8 [10-32 UNF]	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]