



F Cleanroom Series - Indirect Acting Solenoid Valves

With this 100+ million cycle life tested and rated directional control valve series, you can field-change the direction of the output ports and switch from double to single solenoid operation without requiring any additional parts.

- Subbase or Monoblock Manifold Mounting
- Field-Switchable Double to Single Solenoid Operation
- Straight or L-Shaped Solenoid Connectors
- Output Ports Changeable between Direct on Valve or Manifold
- Vacuum Capable with Positive Pressure External Pilot
- 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

5/2 Switchable Double Clean System

5/3 Double Exhaust Center Clean System

5/3 Double External Pilot Pressure Center Clean System

5/2 Switchable Double External Pilot Clean System

5/3 Double External Pilot Closed Center Clean System

5/3 Double Pressure Center Clean System

5/2 Switchable Double External Pilot Vacuum Clean System

5/3 Double External Pilot Closed Center Vacuum Clean System

5/3 Double Closed Center Clean System

5/3 Double External Pilot Exhaust Center 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-F10T1	5/2 Switchable Double Clean System	10 [0.39]	0.2	3.6 [0.142]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T1	5/2 Switchable Double Clean System	15 [0.59]	0.48	8.65 [0.341]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]
CS-F15T2	5/2 Switchable Double Clean System	15 [0.59]	0.48	8.65 [0.341]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]
CS-F18T2	5/2 Switchable Double Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]
CS-F18T1	5/2 Switchable Double Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 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-F10T1G	5/2 Switchable Double External Pilot Clean System	10 [0.39]	0.2	3.6 [0.142]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T1G	5/2 Switchable Double External Pilot Clean System	15 [0.59]	0.48	8.65 [0.341]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T2G	5/2 Switchable Double External Pilot Clean System	15 [0.59]	0.48	8.65 [0.341]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F18T1G	5/2 Switchable Double External Pilot Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F18T2G	5/2 Switchable Double External Pilot Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F10T1V	5/2 Switchable Double External Pilot Vacuum Clean System	10 [0.39]	0.2	3.6 [0.142]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F15T2V	5/2 Switchable Double External Pilot Vacuum Clean System	15 [0.59]	0.48	8.65 [0.341]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F15T1V	5/2 Switchable Double External Pilot Vacuum Clean System	15 [0.59]	0.48	8.65 [0.341]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F18T2V	5/2 Switchable Double External Pilot Vacuum Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F18T1V	5/2 Switchable Double External Pilot Vacuum Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F10T3	5/3 Double Closed Center Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T3	5/3 Double Closed Center Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]
CS-F18T3	5/3 Double Closed Center Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]
CS-F10T4	5/3 Double Exhaust Center Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T4	5/3 Double Exhaust Center Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 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-F18T4	5/3 Double Exhaust Center Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]
CS-F10T3G	5/3 Double External Pilot Closed Center Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T3G	5/3 Double External Pilot Closed Center Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F18T3G	5/3 Double External Pilot Closed Center Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F10T3V	5/3 Double External Pilot Closed Center Vacuum Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F15T3V	5/3 Double External Pilot Closed Center Vacuum Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F18T3V	5/3 Double External Pilot Closed Center Vacuum Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	-0.1 - 0.7 [-14.5 - 101.5]	5 - 50 [41 - 122]
CS-F10T4G	5/3 Double External Pilot Exhaust Center Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T4G	5/3 Double External Pilot Exhaust Center Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F18T4G	5/3 Double External Pilot Exhaust Center Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F10T5G	5/3 Double External Pilot Pressure Center Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T5G	5/3 Double External Pilot Pressure Center Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F18T5G	5/3 Double External Pilot Pressure Center Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0 - 0.7 [0.0 - 101.5]	5 - 50 [41 - 122]
CS-F10T5	5/3 Double Pressure Center Clean System	10 [0.39]	0.197	3.55 [0.14]	4 mm, 6 mm, M5 x 0.8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.2 - 0.7 [29.0 - 101.5]	5 - 50 [41 - 122]
CS-F15T5	5/3 Double Pressure Center Clean System	15 [0.59]	0.477	8.6 [0.339]	6 mm, 8 mm, Rc 1/8 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]

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CS-F18T5	5/3 Double Pressure Center Clean System	18 [0.71]	1	18 [0.709]	8 mm, 10 mm, Rc 1/4 [upon request]	Single Subbase, Block Manifold	Base	12, 24 DC 100 AC	0.4 - 1	5	0.15 - 0.7 [21.8 - 101.5]	5 - 50 [41 - 122]