



PA / PB Series - Indirect Acting Solenoid Valves

This directional control valve series provides a flow rate up to 2.0Cv and allows users to switch from double solenoid to single solenoid. The Selection Guide provides a summary of the 52 different PA / PB Series - Indirect Acting Solenoid Valves.

- Lead Wire, Plug-in, DIN, D-Sub, Flat Cable, Terminal, Serial
- IP 65 Option
- Switchable to Single Solenoid Function
- Inline, Subbase, Stacking Body or Monoblock Manifold
- Optional Integrated Pilot-Operated Check Valves
- 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 Single
 5/2 Single External Pilot Vacuum High Flow
 5/2 Switchable Double External Pilot High Flow
 5/3 Double Closed Center
 5/3 Double Closed Center Vacuum
 5/3 Double Exhaust Center External Pilot High Flow
 5/3 Double Pressure Center External Pilot High Flow

5/2 Single External Pilot
 5/2 Single High Flow
 5/2 Switchable Double External Pilot Vacuum
 5/3 Double Closed Center External Pilot
 5/3 Double Closed Center Vacuum High Flow
 5/3 Double Exhaust Center High Flow

5/2 Single External Pilot High Flow
 5/2 Switchable Double
 5/2 Switchable Double External Pilot Vacuum High Flow
 5/3 Double Closed Center External Pilot High Flow
 5/3 Double Exhaust Center
 5/3 Double Pressure Center

5/2 Single External Pilot Vacuum
 5/2 Switchable Double External Pilot
 5/2 Switchable Double High Flow
 5/3 Double Closed Center High Flow
 5/3 Double Exhaust Center External Pilot
 5/3 Double Pressure Center External Pilot

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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]
PA24F5	5/2 Single	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C5	5/2 Single	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C5G	5/2 Single External Pilot	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	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]
PA24F5G	5/2 Single External Pilot	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC5G	5/2 Single External Pilot High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24HF5G	5/2 Single External Pilot High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24F5V	5/2 Single External Pilot Vacuum	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24C5V	5/2 Single External Pilot Vacuum	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24HC5V	5/2 Single External Pilot Vacuum High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PA24HF5V	5/2 Single External Pilot Vacuum High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24HC5	5/2 Single High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24HF5	5/2 Single High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C6	5/2 Switchable Double	24 [0.94]	1.4	24 [0.945]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24F6	5/2 Switchable Double	23.8 [0.94]	1.4	24 [0.945]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24F6G	5/2 Switchable Double External Pilot	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24C6G	5/2 Switchable Double External Pilot	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24HF6G	5/2 Switchable Double External Pilot High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC6G	5/2 Switchable Double External Pilot High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	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]
PA24F6V	5/2 Switchable Double External Pilot Vacuum	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24C6V	5/2 Switchable Double External Pilot Vacuum	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PA24HF6V	5/2 Switchable Double External Pilot Vacuum High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24HC6V	5/2 Switchable Double External Pilot Vacuum High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PA24HF6	5/2 Switchable Double High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24HC6	5/2 Switchable Double High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24F7	5/3 Double Closed Center	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C7	5/3 Double Closed Center	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24F7G	5/3 Double Closed Center External Pilot	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24C7G	5/3 Double Closed Center External Pilot	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24HF7G	5/3 Double Closed Center External Pilot High Flow	23.8 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC7G	5/3 Double Closed Center External Pilot High Flow	24 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC7	5/3 Double Closed Center High Flow	24 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24HF7	5/3 Double Closed Center High Flow	23.8 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C7V	5/3 Double Closed Center Vacuum	24 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	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]
PA24F7V	5/3 Double Closed Center Vacuum	23.8 [0.94]	1.4	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PA24HF7V	5/3 Double Closed Center Vacuum High Flow	23.8 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24HC7V	5/3 Double Closed Center Vacuum High Flow	24 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	-0.1 - 0.2 [-14.5 - 29.0]	5 - 50 [41 - 122]
PB24C8	5/3 Double Exhaust Center	24 [0.94]	1.8	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24F8	5/3 Double Exhaust Center	23.8 [0.94]	1.8	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C8G	5/3 Double Exhaust Center External Pilot	24 [0.94]	1.8	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24F8G	5/3 Double Exhaust Center External Pilot	23.8 [0.94]	1.8	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC8G	5/3 Double Exhaust Center External Pilot High Flow	24 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24HF8G	5/3 Double Exhaust Center External Pilot High Flow	23.8 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC8	5/3 Double Exhaust Center High Flow	24 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24HF8	5/3 Double Exhaust Center High Flow	23.8 [0.94]	1.8	32 [1.26]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24HF9	5/3 Double Pressure Center	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PA24F9	5/3 Double Pressure Center	23.8 [0.94]	2	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24HC9	5/3 Double Pressure Center	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	5 - 50 [41 - 122]
PB24C9	5/3 Double Pressure Center	24 [0.94]	2	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0.2 - 1 [29.0 - 145.0]	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]
PA24F9G	5/3 Double Pressure Center External Pilot	23.8 [0.94]	2	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24C9G	5/3 Double Pressure Center External Pilot	24 [0.94]	2	25 [0.984]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PA24HF9G	5/3 Double Pressure Center External Pilot High Flow	23.8 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]
PB24HC9G	5/3 Double Pressure Center External Pilot High Flow	24 [0.94]	2	36 [1.417]	Rc 1/4, Rc 3/8 [upon request]	Inline, Single Subbase, Block Manifold	Direct, Base	24 DC 100, 200 AC	1 - 1.3	5	0 - 1 [0.0 - 145.0]	5 - 50 [41 - 122]