

QUEEN SOLENOID VALVE

- Normally Closed
- Normally Open
- Explosion Proof



KUHNWAY CORPORATION

QUEEN SOLENOID VALVE



Normally Closed 2-Way Solenoid Valves

Profile	Model	Operation	Connection Size (Inch)	Fluid	Pressure Range Kg*f/cm ²		Max. Temp.
	MS-0825-8NL	Direct Acting	NPT 1/4"	Water	0-8		60°C
	MK2-0825-8POM	Direct Acting	NPT 1/4"	Water	0-8		60°C
	<ul style="list-style-type: none"> • MK2-A2015-6 (M10) • MK2-A1020-6 (M10) • MK2-A0725-6 (M10) 	Direct Acting	PT 1/8"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Air	Water/Oil	90°C
					0-20	0-15	
					0-10	0-7	
					0-7	0-5	
	<ul style="list-style-type: none"> • MK2-3016-8 (M13) • MK2-2020-8 (M13) • MK2-1030-8 (M13) • MK2-0445-8 (M13) 	Direct Acting	PT 1/4"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Air	Water/Oil	90°C
					0-30	0-21	
					0-20	0-14	
					0-10	0-7	
	<ul style="list-style-type: none"> • MK2-0445-8 (M13) 	Direct Acting	PT 1/4"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	0-4	0-2.5	90°C
					Air	Water/Oil	
					0-30	0-21	
					0-20	0-14	
	<ul style="list-style-type: none"> • MK2A-3016(SS)-8~10 • MK2A-2020(SS)-8~10 • MK2A-1030(SS)-8~10 • MK2A-0445(SS)-8~10 	Direct Acting	PT 1/4", 3/8"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Air	Water/Oil	90°C
					0-50	0-30	
					0-40	0-25	
					0-20	0-14	
	<ul style="list-style-type: none"> • MK2B-5030-8-SCS13 • MK2B-10020-8-SCS13 	Direct Acting	PT 1/4"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	0-10	0-7	90°C
					Air	Water/Oil	
					0-50	0-40	
		Direct Acting	PT 1/4"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	0-100	0-80	90°C
	MG-10	Direct Acting	PT 3/8"	LPG gas, low vacuum air	0-1		60°C
	MA-10~15 (M13)	Semi-direct acting	PT 3/8", 1/2"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases:0-10 Oil (Below 50cst):0-7		90°C
	MA-10~15BFE-M13	Semi-direct acting	PT 3/8", 1/2"	Air, Inert gases, Vacuum, Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases, Oil (Below 50cst):0-10		90°C









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	MA-P10~15-M10	Pilot Operated	PT 3/8", 1/2"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Air: 0.1-16 Liquid: 0.1-15	90°C
	MD-10~50WAG (SCS13,14)	Semi-direct acting	PT 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0-10 Oil(Below 50cst): 0-7	90°C
	MD-10~50WAG-M16 (SCS13,14)	Semi-direct acting	PT 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0-10 Oil(Below 50cst): 0-7	90°C
	MD-P10~25WAG-M10	Pilot Operated	PT 3/8", 1/2", 3/4", 1"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Air, Inert gases: 0.3-16 Water: 0.5-16 Oil(50cst): 0.5-12	90°C
	MK10~25S	Semi-direct acting	PT 3/8", 1/2", 3/4", 1"	Steam, Air, Inert gases, Vacuum, Water, and Oil (Below 50cst)	Steam: 0-10 Water: 0-8 Oil: 0-7	180°C
	MK15~25S-M17	Semi-direct acting	PT 1/2", 3/4", 1"	Steam, Air, Inert gases, Vacuum, Water, and Oil (Below 50cst)	Steam: 0-10 Water: 0-8 Oil: 0-7	180°C
	MT20~25S (M17)	Pilot Operated	PT 3/4", 1"	Steam, Air, Inert gases, Vacuum, Water, and Oil (Below 50cst)	Steam, Water, Air: 0.3-10 Oil: 0.3-7	180°C
	MT32S~50S (M17)	Pilot Operated	PT 1 1/4", 1 1/2", 2"	Steam, Air, Inert gases, Vacuum, Water, and Oil (Below 50cst)	Steam, Water, Air: 0.3-10 Oil: 0.3-7	180°C
	MT32FS~50FS (M17)	Pilot Operated	Flange 1 1/4", 1 1/2", 2"	Steam, Air, Inert gases, Vacuum, Water, and Oil (Below 50cst)	Steam, Water, Air: 0.3-10 Oil: 0.3-7	180°C
	MT32W~50W (M17)	Pilot Operated	PT 1 1/4", 1 1/2", 2"	Air, Inert gases, Water, and Oil (Below 50cst)	Air, Water, Inert gases: 0.3-10 Oil: 0.3-7	90°C
	MT32FW~50FW (M17)	Pilot Operated	Flange 1 1/4", 1 1/2", 2"	Air, Inert gases, Water, and Oil (Below 50cst)	Air, Water, Inert gases: 0.3-10 Oil: 0.3-7	90°C

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	<ul style="list-style-type: none"> • BMT-40~50-M13-FC,BC,DI • BMF-50~400-M13-FC,BC,DI 	Pilot Operated	<ul style="list-style-type: none"> • PT 1 1/2", 2" • Flange 2"-16" 	Air, Water	1-12	80°C
	<ul style="list-style-type: none"> • BTE-40~50-M13-FC,BC,DI,SCS • BFE-50~400-M13-FC,BC,DI,SCS 	Pilot Operated	<ul style="list-style-type: none"> • PT 1 1/2", 2" • Flange 2"-16" 	Air, Water	1-12	80°C

Normally Open 2-Way Solenoid Valves

	<ul style="list-style-type: none">• MK2-0530(SS)-8~10C• MK2-0820(SS)-8~10C• MK2-1216(SS)-8~10C	Direct Acting	PT 1/4", 3/8"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	<table><tr><td>Air</td><td>Water/Oil</td></tr><tr><td>0-4</td><td>0-3</td></tr><tr><td>0-8</td><td>0-6</td></tr><tr><td>0-12</td><td>0-8</td></tr></table>	Air	Water/Oil	0-4	0-3	0-8	0-6	0-12	0-8	90°C
Air	Water/Oil													
0-4	0-3													
0-8	0-6													
0-12	0-8													
	<ul style="list-style-type: none">• MK2-0545-10C• MK2-1230-10C• MK2-2520-10C• MK2-4016-10C	Direct Acting	PT 3/8"	Air, Inert gases, Vacuum(10 Torr)	<ul style="list-style-type: none">• 5• 12• 25• 40	90°C								
	MA-10~15CBFE-M13	Semi-direct acting	PT 3/8", 1/2"	Air, Inert gases, Water, and Oil (Below 50cst)	Air, gases: 0.1-10 Oil (50cst↓):0.1-10	90°C								
	MD10C~50C (M17)	Pilot Operated	PT 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Air, Inert gases, Vacuum(10 Torr), Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0.3-10 Oil (50cst↓): 0.3-7	90°C								
	MD10C~50C-SCS13,14 (M17)	Pilot Operated	PT 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Air, Inert gases, Vacuum, Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0.3-10 Oil (50cst↓): 0.3-7	90°C								
	MT32WC~50WC	Pilot Operated	PT 1 1/4", 1 1/2", 2"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0.3-10 Oil (50cst↓): 0.3-7	90°C								
	MT32FWC~50FWC	Pilot Operated	Flange 1 1/4", 1 1/2", 2"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0.3-10 Oil (50cst↓): 0.3-7	90°C								
	<ul style="list-style-type: none">• BMT-40C~50C-M13-FC,BC,DI• BMF-50C~400C-M13-FC,BC,DI	Pilot Operated	<ul style="list-style-type: none">• PT 1 1/2", 2"• Flange 2"-16"	Air, Water	1-12	80°C								

QUEEN SOLENOID VALVE

Explosion Proof 2-Way Solenoid Valves

	MA-P10~15-EXP	Pilot Operated	PT 3/8", 1/2"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Air: 0.1-16 Liquid: 0.1-15	90°C
	MD-P10~25-EXP	Pilot Operated	PT 3/8", 1/2", 3/4", 1"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Air, Inert gases: 0.3-16 Water: 0.5-16 Oil(50cst↓): 0.5-12	90°C
	MT10~50-BT	Pilot Operated	PT 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"	Air, Inert gases, Water, Kerosene Oil, and Oil (Below 50cst)	Water, Air, Inert gases: 0.3-10 Oil (50cst↓): 0.3-7	90°C

Note:

- (1) Voltage: DC12, 24V ; AC24, 110, 220, 380V 50/60Hz
- (2) NPT on request.
- (3) SS, SCS13, SCS14 indicate that the body material is stainless steel.
- (4) Body material FC: Cast iron , BC : Bronze, DI : Ductile iron, SCS : Stainless steel
- (5) The M10, M13, M16, M17 marking indicates a waterproof coil with an IP65 rating.

• Direct acting solenoid valves

With quick response and high-frequency operation, it works under vacuum, negative pressure, or zero differential without minimum pressure or flow requirements. It's compact, simple, and easy to install.

• Semi-direct acting solenoid valves

This solenoid valve combines direct-acting and pilot-operated designs, offering zero differential and high-flow operation without minimum pressure or flow requirements.

• Pilot operated solenoid valves

Suitable for high-flow and high-pressure applications, but the pressure differential range of the fluid medium is limited. A minimum working pressure differential and flow are required to operate.