

PNEUMATIC Since 1999





2V Series Solenoid Valve



2V 10F 025 80 Standard Spec Code Wiring Mode **Connection Code** Port Size Diameter 025:2.5mm 06:G1/8" Blank:DIN Socket Type 2F:Two sets two-Port 08:G1/4' I:Outgoing type 3F:Three sets two-Position Solenoid Valve 10F:Ten sets

3V1 Series Solenoid Valve



3V	1	- 06 -	- A	- 1	- G -	
Spec Code	Standard Diameter	Port Size	Standard Voltage	Wiring Mode	Tooth profile code	Valve body identification code
three-Port	1:1 Series	06:G1/8"	A:AC220V	Blank:DIN Socket Type	Blank: PT shape	Blank:Series-connected type
two-Position		08:G1/4'	B:AC110V	I:Outgoing type	T:NPT shape	D:Single-unit type
Solenoid Valve			C:AC380V		G:G shape	
			D:AC36V			
			E:AC24V			
			F:DC24V			
			G:DC12V			

* 1. When the connection is M5 thread, this item is left blank.

3V Series Solenoid Valve



3V	1	500	06	NC	А		T
Spec Code	Series Code	Electric Control method	Port Size	Initial State	Standard Voltage	Wiring Mode	Tooth Profile Code
three-Port	1:100 Series	10:Dual Position	06:G1/8"	NC:Normal Close	A:AC220V	Blank:DIN Socket Type	Blank: PT Shape
two-Position	2:200 Series	Single Electric Control	08:G1/4'	NO:Normal Ope	B:AC110V	I:Outgoing Type	T:NPT shape
Solenoid Valve	3:300 Series				C:AC380V		G:G shape
		20:Dual Position			D:AC36V		
		Dual Electric Control			E:AC24V		
					F:DC24V		
					G:DC12V		

* 1. When the connection is M5 thread, this item is left blank.

4V Series Solenoid Valve



4V	1	20	M5	Α		Т
Spec Code	Series Code	Electric Control Method	Port Size	Standard Voltage	Wiring Mode	Tooth Profile Code
five-Port	1:100 Series	10:Dual Position	M5:M5	A:AC220V	Blank:DIN Socket Type	Blank: PT Shape
two-Position	2:200 Series	Single Electric Control	06:PT1/8	B:AC110V	I:Outgoing Type	T:NPT shape
Solenoid Valve	3:300 Series	20:Dual Position	08:PT1/4	C:AC380V		G:G shape
five-Port	4:400 Series	Dual Electric Control	10:PT3/8	D:AC36V		
three-Position		30C:Three-position dual-electric contro	15:PT1/2	E:AC24V		
Solenoid Valve		with center-closed type		F:DC24V		
Solelloid Valve		30E:Three-position dual-electric control		G:DC12V		
		with center-exhaust type				
		30P:Three-position dual-electric control				
		with mid-pressure exhaust type				



4M Series Solenoid Valve



4M	1	10	10	Α	1
Spec Code	Series Code	Electronic Control Mode	Port Size	Standard Voltage	Wiring Mode
Five-Port	1:100 Series	10:Two-Position	M5:M5	A:AC220V	Blank:DIN Socket Type
Two-Position	2:200 Series	Single-Electrical Control	06:PT1/8	B:AC110V	1:Outgoing Type
Solenoid Valve	3:300 Series	20:Two-Position	08:PT1/4	C:AC380V	
	4:400 Series	Dual-Electrical Control	10:PT3/8	D:AC36V	
				E:AC24V	
				F:DC24V	
				G:DC12V	

VF3 Series Solenoid Valve



VF3	130	Α	G	В	02
Spec Code	Coil and Number of Positions	Standard Voltage	Wire Type	Manual Operation	Threaded Interface
Five-Port	130:Two Position Five Port Single Head	A:AC220V	G:Straight-Through Wiring		02:PT1/4
Two-Position	230:Two Position Five Port	B:AC110V	D:DIN Socket Type		
Solenoid Valve	Dual Head Dual-Position	C:AC380V	DZ:DIN Socket Type with Li	ght	
	330:Three Position Five Port Dual Head	D:AC36V			
	Three Position Center-Closed Type	E:AC24V			
	430:Three Position Five Port Dual Head	F:DC24V			
	Three Position Exhaust Type	G:DC12V			
	530:Three Position Five-Port Dual Head				
	Three Position Pressure Type				

VF5 Series Solenoid Valve



VF5	120	Α	G	В	02
Spec Code	Coil and Number of Positions	Standard Voltage	Wire Type	Manual Operation	Threaded Interface
	120:Two Position Five Port Single Head	A:AC220V	G:Straight-Through Wiring		02:PT1/4
	220:Two Position Five Port	B:AC110V	D:DIN Socket Type		
	Dual Head Dual-Position	C:AC380V	DZ:DIN Socket Type with Li	ght	
	320:Three Position Five Port Dual Head	D:AC36V			
	Three Position Center-Closed Type	E:AC24V			
	420:Three Position Five Port Dual Head	F:DC24V			
	Three Position Exhaust Type	G:DC12V			
	520:Three Position Five-Port Dual Head				
	Three Position Pressure Type				

SY Series Solenoid Valve



SY	3120	M5	DC24V	G	
Spec Code	Specifications	Connection Type	Operating Voltage	Wiring Method	
	3120 3220	C4 C6 C8	DC12 DC24	M:Linear Type	
	5120 5220	C10 M5 G1/8	AC110 AC220	G:Lead-Wire Type	
	7120 7220	G3/8			
	9120 9220				
			* Note:		
			The 3000 seri	es supports direct mani	fold mounting with C4 and C6.
			The 5000 seri	es supports C4, C6, and	d C8.

The 7000 series supports C8 and C10.



3A Series Air Control Valve



3A	1	10	06	NO
Spec Code	Series Code	Pneumatic Control Method	Port Size	Initial State
3A:Three-Port	1:100 Series	10:Two-Position Single Pneumatic Control	M5:M5	NC:Normal Close
Two-Position	2:200 Series	20:Two-Position DualPneumatic Control	06:PT1/8	NO:Normal Open
Pneumatic Valve	3:300 Series	30C:Three-Position Dual Pneumatic Control	08:PT1/4	
	4:400 Series	with Center-Closed Type	10:PT3/8	
		30E:Three-Position Dual Pneumatic Control	15:PT1/2	
		with Center-Exhaust Type		
		30P:Three-Position Dual Pneumatic Control		
		with Center-Pressure Exhaust Type		

4A Series Air Control Valve

* If the dual-position, dual-electric control does not distinguish between NO and NC,



4A	1	10	06	NO
Spec Code	Series Code	Pneumatic Control Method	Port Size	Initial State
4A:Five-Port	1:100 Series	10:Two-Position Single Pneumatic Control	M5:M5	NC:Normal Close
Two (Three)-Position	2:200 Series	20:Two-Position DualPneumatic Control	06:PT1/8	NO:Normal Open
Pneumatic Control Valve	3:300 Series	30C:Three-Position Dual Pneumatic Control	08:PT1/4	
	4:400 Series	with Center-Closed Type	10:PT3/8	
		30E:Three-Position Dual Pneumatic Control	15:PT1/2	
		with Center-Exhaust Type		
		30P:Three-Position Dual Pneumatic Control		
		with Center-Pressure Exhaust Type		

^{*} If the dual-position, dual-electric control does not distinguish between NO and NC,

3H/4H Series Manual Valve



3H/4H	2	10	06
Spec Code	Series Code	Position Code	Port Size
3H:Three-Port Two-Position	1:100 Series	10:Single-Double Position	06:G1/8
4H:Five-Port Two-Position	2:200 Series		08:G1/4
	3:300 Series		10:G3/8
	4:400 Series		15:G1/2

3R/4R Series Manual valve



3R/4R	2	10	06
Spec Code	Series Code	Position Code	Port Size
3R:Three-Port Two-Position	1:100 Series	10:Single-Double Position	06:G1/8
SIX. ITHEE-FOIL TWO-FOSILION	1.100 Selles	10.5ingle-Double Position	00.0170
4R:Five-Port Two-Position	2:200 Series		08:G1/4
	3:300 Series		10:G3/8
	4:400 Series		15:G1/2



3V/4V Series Manifold



Spec Code Series Code Connection Code Tooth Profile Code 1:100 Series Base 2:200 Series Base 2:200 Series Base 3:300 Series Base 4:400 Series Base 20F:Twenty Sets Tooth Profile Code Blank: PT Shape T:NPT Shape G:G Shape	3V/4V	1	5F	T
2:200 Series Base 2F:Two Sets T:NPT Shape 3:300 Series Base G:G Shape	Spec Code	Series Code	Connection Code	Tooth Profile Code
3:300 Series Base G:G Shape		1:100 Series Base	1F:One Sets	Blank: PT Shape
		2:200 Series Base	2F:Two Sets	T:NPT Shape
4:400 Series Base 20F:Twenty Sets		3:300 Series Base		G:G Shape
		4:400 Series Base	20F:Twenty Sets	

* The 100M and 200M series support up to 16 seats per manifold, the 300M series supports up to 12, and the 400M series supports up to 8.

SY Series Assembled Plate Solenoid Valve(Accessories)



OOF 3 SY 2 Thread Type Spec Code **Container Capacity Containerized Series** Unsigned:RC 2 Digits 3:SY3000 OOF:G 5:SY5000 OON:NPT 20 Digits OOT:NPTF *Including Cover Plate Components

Valve Island



DB25 14 S 150 Marking:Wire Length Marking:Controllable Number of Coils Spec Code Marking:Connector Marking:Connector S:Single Connector 14:14 150:1.5m DB25:DB Connector D:Double Connector 24:24 300:3m Customized 126:Cow Horn Joint

4HV Series Hand-Switching Valve



4HV	2	10	06	S
Spec Code	Series Code	Location Code	Port Size	Mounting Type
three-Port	2:200 Series	10:Four-Port Two-Position	2 Digits 06:G1/8"	Blank:Valve Installation
two-Position	3:300 Series	30:Four-Port Three-Position	3 Digits 08:G1/4"	S:Panel Installation
Solenoid Valve	4:400 Series		4 Digits 10:G3/8"	



HV Series Hand-Switching Valve



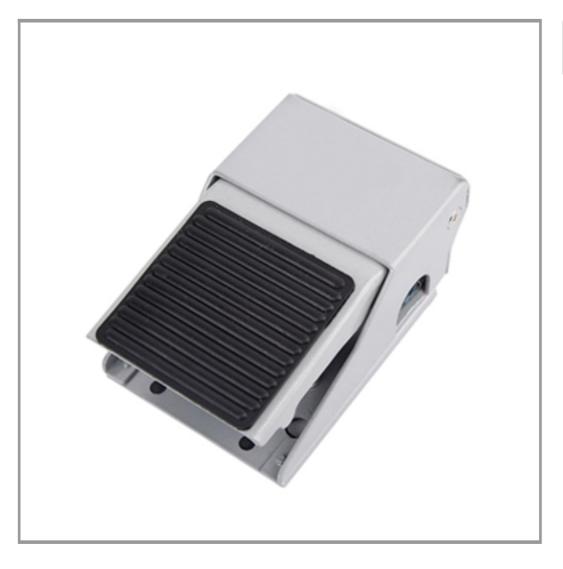
HV	2	00	A	02	Р
Spec Code	Series Code	Series Code	Function Code	Port Size	Connection Type
	2:200 Series	00:Two-Position Four-Way	Blank:Basic Type	02:PT1/4	blank:Iron Handle
	3:300 Series	30:Three-Position Four-Way	Four-SideInterface	03:PT3/8	P:Plastic Handle
			A: Bottom Interface	04:PT1/2	
			B: Two-Side Interface		

K24/K34 Series Hand-Switching Valve



24 BL R6 D Connection Type Spec Code Series Code **Function Code** Port Size 24:Two-Position Four-Way R6:Hand Operated Valve BL:G1/4 Blank:Two-Side Connections 34:Three-Position Four-Way L6:Connection Type **D:Bottom Connections** S:Four-Side Connections

FV320/420 Series Foot Valve



FV 420 08 Series Code Spec Code Port Size FV:Foot Pedal Valve 320:Three-Port Two-Position 8:1/4G 420:Four-Port Two-Position

4F210 Series Foot Valve



4F 10 08 **Position Code** Spec Code Port Size Connection Type Series Code 4F:Two-Position 2:200 Series 10:Single-Double Position 8:1/4G Blank:Standard Formula Five-Way Foot L: Lockable Type Pedal Valve F: Enclosed Shield Type LF: Lock and Shield Type

OPT Series Drainers



OPT 01 **Product Structure** Port Size **Specification Description** G1/2 **OPT Low-Pressure Electronic**

Drain Valve (Up to 16 KG)

2:200 Series

MIC High-Pressure Electronic Drain Valve (Up to 40/80 KG)



2W Series Fluid Control Valve



2W	160	10	AC1	110V
Spec Code	Nominal Diameter	Port Size	Coil	Voltage
Three-Port	025:2.5mm	06:1/8"	DC12V	
Two-Position	040:4.0mm	08:1/4"	DC24V	
Solenoid Valve	160:16mm	10:3/8"	AC24V	50Hz/60Hz
	200:20mm	15:1/2"	AC36V	50Hz/60Hz
	250:25mm	20:3/4"	AC110V	50Hz/60Hz
	350:35mm	25:1"	AC220V	50Hz/60Hz
	400:40mm	35:1 1/4"	AC380V	50Hz/60Hz
	500:50mm	40:1 1/2"		
		50:2"		

2L Series Fluid Control Valve



2L	170	15	AC110V	D
Spec Code	Flow Orifice	Port Size	Coil Voltage	Wiring Mode
Three-Port	170:17mm	10:3/8"	DC12V	Blank:Indicates Lead-Type
Two-Position	200:20mm	15:1/2"	DC24V	Iron Shell Coil
Solenoid Valve	300:30mm	20:3/4"	AC24V 50Hz/60Hz	
	500:50mm	25:1"	AC36V 50Hz/60Hz	D:Terminal Box-Type
		35:1 1/4"	AC110V 50Hz/60Hz	Encapsulated Coil
		40:1 1/2"	AC220V 50Hz/60Hz	
		50:2"	AC380V 50Hz/60Hz	

2S Series Fluid Control Valve



2 S	030	08	F	AC110V	D
Spec Code	Flow Orifice	Port Size	Mounting Type	Coil Voltage	Wiring Mode
Two-Position	030:30mm	06:1/8"	Blank:	DC12V	Blank:Indicates Lead-Type
Two-Way	040:40mm	08:1/4"	Pipe Connection Type	DC24V	Iron Shell Coil
Solenoid Valve	160:16mm	10:3/8"		AC24V 50Hz/60Hz	
	200:20mm	15:1/2"	F:	AC36V 50Hz/60Hz	D:Terminal Box-Type
	250:25mm	20:3/4"	with Flange Type	AC110V 50Hz/60Hz	Encapsulated Coil
	350:35mm	25:1"		AC220V 50Hz/60Hz	
	400:40mm	35:1 1/4"		AC380V 50Hz/60Hz	E:Explosion-Proof Coil
	500:50mm	40:1 1/2"			G: Waterproof Coil
		50:2"			

2Q Series Fluid Control Valve



2Q	160	25
Spec Code	Flow Orifice	Port Size
	400.40	40.0/00
Two-Position	160:16mm	10:3/8"
Two-Way	200:20mm	15:1/2"
Pneumatic Control Valve	250:25mm	20:3/4"
	350:35mm	25:1"
	400:40mm	35:1 1/4"
	500:50mm	40:1 1/2"
		50:2"

HSV Series Hand Slide Valve



HSV	08	SS		

HSV: Hand Slide Valve 06:G1/8"

Model Code

08:G1/4" 10:G3/8" 15:G1/2" 20:G3/4"

25:G1"

Port Size

Blank: Standard Type SS:Double External Thread Type

Function Code

SF:External and Internal Thread Type

FF:Double Internal Thread Type

ASC Series Unidirectional Throttle Valves



Model Code	Port Size	Function Code

ASC: One-Way Flow Control Valve

ASC

100:100 Series 200:200 Series

300

100 Series:06-G1/8" 200 Series:08-G1/4"

10

300:300 Series 300 Series:10-G3/8"

15-G1/2"

RE Series Flow Control Valve/Quick Exhaust Valve



RE 01

Model Code Port Size

RE: Flow Control Valve

01:Rc1/8 02:Rc1/4 03:Rc3/8 04:Rc1/2

QE Series Flow Control Valver/Quick Exhaust Valve



QE 01

Model Code

Port Size

QE: Quick Exhaust Valve

01:Rc1/8 02:Rc1/4 03:Rc3/8 04:Rc1/2

KA Series One-Way Valve



KA 06

Model Code

Port Size

Check Valve

06:G1/8" 15:G1/2" 08:G1/4" 20:G3/4" 10:G3/8" 25:G1"

ST Series Shuttle Valve



ST 01

Model Code

Port Size

ST:Spool Valve

01:G1/8

02:G1/4 03:G3/8 04:G1/2

MOV321 Series Mechanical Valves



MOV

Model Code

Mechanical Valve

Positon Code Port Size

32:Two-Position 01:G1/8

32

Three-Way

СМЗ

Model Code

EB:Lockable Knob Type PP:Flat Button PPL:Convex Button

TB:Selector Knob Type

R

Button Type

Blank:Basic Type

R:Roller Type

PB:Large Round Button

PP

Spec Code

JM322 Series Mechanical Valves



Model Code **Positon Code**

JM

Valve

JM Type Mechanical 32:Two-Position

Three-Way

32

02:G1/4

Port Size

R:Roller Type TB:Selector Knob Type

Blank:Basic Type

EB:Lockable Knob Type PP:Flat Button

R

Button Type

PPL:Convex Button PB:Large Round Button

CM3 Series Mechanical Valves



CM3 Type B:Basic Type Mechanical Valve C: Long-Handle Manual Valve Mechanical D: Short-Handle Manual Valve Y: Lever-Operated Manual Valve Valve R:Roller Lever Mechanical Valve L:One-Way Roller Lever **Mechanical Valve** PL: Detent Rotary Button Type

Manual Valve (Only Red Available) HS:Selector Type Manual PP:Raised Head Button Type **Manual Valve** PF: Flat-Head Button Type **Manual Valve**

PM:Mushroom Head **Button Type Manual Valve** PMS:Mushroom Head **Button Type Manual Valve** (with Protective Cover) P:Large Mushroom Head **Button Type Manual Valve** (with Protective Cover) Valve HD:Double-Acting Selector Type Manual Valve

05:M5 06:G1/8" 08:G1/4"

06

Port Size

Model B/P/L/V/Y No Model PL R:Red R:Red Model PP/PF/PM/ PMS/PMX/HS/HD G:Green B:Black

R

Button Color

Y:Yellow

JMJ Series Mechanical Valves



JMJ 52 2 R

Port Size

JMJ Type Five-Way Mechanical Valve

Model Code

02:G1/4 52:Two-Position

Positon Code

Blank:Basic Type R:Roller Type TB:Selector Knob Type EB:Lockable Knob Type PP:Flat Button

PPL:Convex Button

PB:Large Round Button

Button Type

MV322 Series Mechanical Valves



MV

Model Code **Positon Code** Port Size **Button Type**

2

MV Type 02:G1/4 32:Two-Position Mechanical Valve Three-Way

32

Blank:Basic Type R:Roller Type TB:Selector Knob Type EB:Lockable Knob Type PP:Flat Button PPL:Convex Button PB:Large Round Button

R



MV522 Series Mechanical Valves



MV 52 R Model Code Port Size **Button Type Positon Code** MV Type 52:Two-Position 02:G1/4 Blank:Basic Type Mechanical Valve Five-Way R:Roller Type TB:Selector Knob Type EB:Lockable Knob Type PP:Flat Button PPL:Convex Button

HS:Selector Type Manual Valve

HS:Selector Type Manual Valve

HS:Selector Type Manual Valve

M5 Series Mechanical Valves



M5 PM 210 R Spec Code Structure Code Series Code Port Size **Button Color** M5:M type, **B:Basic Type Mechanical Valve** 110:110 Series 110 Series: PL R:Red C:Long-Handle Manual Valve 5 ports, Single Control 1:G1/8 R:Red D:Short-Handle Manual Valve 2 positions Y:Rocker arm Manual Valve PP/PF/ 210:210 Series 210 Series: G:Green R:Roller Lever Type Mechanical Valve PM/HS Single Control 1:G1/8 B:Black L:Unidirectional Roller Lever Mechanical Valve PL:Detent Rotary Button Type Manual Valve 2:G1/4 Y:Yellow (Only Red Available) Others No PP:Protruding Button Type Manual Valve PF: Flat Head Button Type Manual Valve PM:Mushroom Head Button Type Manual Valve

PB:Large Round Button

M3 Series Mechanical Valves



М3 R PM 210 Spec Code Structure Code Series Code Port Size **Button Color** M3:M type, **B:Basic Type Mechanical Valve** 110:110 Series 110 Series: R:Red PL C:Long-Handle Manual Valve 3 ports, Single Control 1:G1/8 R:Red D:Short-Handle Manual Valve 2 positions Y:Rocker arm Manual Valve PP/PF/ 210:210 Series 210 Series: G:Green R:Roller Lever Type Mechanical Valve PM/HS Single Control 1:G1/8 B:Black L:Unidirectional Roller Lever Mechanical Valve PL:Detent Rotary Button Type Manual Valve 2:G1/4 Y:Yellow (Only Red Available) Others No PP:Protruding Button Type Manual Valve PF: Flat Head Button Type Manual Valve PM:Mushroom Head Button Type Manual Valve

S3 Series Mechanical Valves



S3 PM R Spec Code Structure Code **Button Color** Port Size **B:Basic Type Mechanical Valve** S3:S type, 100 Series: R:Red PL C:Long-Handle Manual Valve 3 ports, D:Short-Handle Manual Valve 1:G1/8 R:Red Y:Rocker arm Manual Valve 2 positions PP/PF/ G:Green 200 Series: R:Roller Lever Type Mechanical Valve PM/HS 1:G1/8 B:Black L:Unidirectional Roller Lever Mechanical Valve PL:Detent Rotary Button Type Manual Valve 2:G1/4 Y:Yellow (Only Red Available) Others No PP:Protruding Button Type Manual Valve PF: Flat Head Button Type Manual Valve PM:Mushroom Head Button Type Manual Valve