

All Valve Type



SPECIFICATION		Brass 2/2 Solenoid Vave Normally Close/Open				
Model	Port Size	Efective Area(mm ²)	Option/ Pressure	Fluid	Votage	Temp.
2W025-06	PT1/8	2.5	Direct Operate 0 - 7 Bar	Air	DC 12V DC 24V AC 24V	-5 - 85°C
2W025-08	PT1/4	2.5				
2W040-10	PT3/8	4	Diaphram Type 0.3 - 10 Bar	Water	AC 110V AC 220V	
2W160-10	PT3/8	16				
2W160-15	PT1/2	16				
2W200-20	PT3/4	20				
2W250-25	PT 1	25				
2W350-35	PT1-1/4	35				
2W400-40	PT1-1/2	40				
2W500-50	PT 2	50				



SPECIFICATION		Stainless 2/2 Solenoid Vave Normally Close				
Model	Port Size	Efective Area(mm ²)	Option/ Pressure	Fluid	Votage	Temp.
2WB025-06	PT1/8	2.5	PTFE Diaphram	Air	DC 12V DC 24V AC 24V	-5 - 130°C
2WB025-08	PT1/4	2.5				
2WB040-10	PT3/8	4	0 - 10 Bar	Hot Water	AC 110V AC 220V	
2WB160-10	PT3/8	16				
2WB160-15	PT1/2	16				
2WB200-20	PT3/4	20				
2WB250-25	PT 1	25				
2WB350-35	PT1-1/4	35				
2WB400-40	PT1-1/2	40				
2WB500-50	PT 2	50				

SPECIFICATION		Brass&Stainless 2/2 Solenoid Vave Normally Close				
Model	Port Size	Efective Area(mm ²)	Option/ Pressure	Fluid	Votage	Temp.
2WBF160-15	DN15	16	PTFE Diaphram	Air	DC 12V DC 24V	-5 - 130°C
2WBF200-20	DN20	20				
2WBF250-25	DN25	25	0 - 16 Bar	Hot Water	AC 24V AC 110V AC 220V	
2WBF350-35	DN35	35				
2WBF400-40	DN40	40				
2WBF500-50	DN50	50				

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SPECIFICATION		Stainless 2/2 Pneumatic Piston Valve				
Model	Port Size	Efective Area(mm ²)	Acting	Fluid	Flow Direction	Temp.
PV-04	1/2"	15	Single Acting	Air Water	A:Above The seat	PTFE Seal -5 - 185°C
PV-06	3/4"	20				
PV-10	1"	25				
PV-12	1-1/4"	32	Double Acting	Oil Gase	B:Below The seat	
PV-14	1-1/2"	40				
PV-20	2"	50				



SPECIFICATION		Pneumatic Actuator With 3PC Ball Valve				
Model	Port Size	Actuator Bore	Acting	Fluid	Conection Type	Temp.
BVA-15(F)	1/2"	B52	Single Acting	Air	Screw Type	-23 - 180°C PTFE Seal
BVA-20(F)	3/4"	B52				
BVA-25(F)	1"	B52				
BVA-32(F)	1-1/4"	B63	Double Acting	Hot Water	F:Flange Type	
BVA-40(F)	1-1/2"	B63				
BVA-50(F)	2"	B75				
BVA-65(F)	2-1/2"	B83				
BVA-80(F)	3"	B105		Hot Oil	JIS	
BVA-100(F)	4"	B125				

All Valve Type



SPECIFICATION		Pneumatic Actuator With Butterfly Valve				
Model	Port Size	Actuator Bore	Acting	Fluid	Conection Type	Seat
BTVA-40	1-1/2"	B52	Single Acting	Air	Universall flange Type	:NBR :EPDM :White EPDM :PTFE :Viton
BTVA-50	2"	B63				
BTVA-65	2-1/2"	B63				
BTVA-80	3"	B63	Double Acting	Water		
BTVA-100	4"	B75		Hot water		
BTVA-125	5"	B83		Oil		
BTVA-150	6"	B105				
BTVA-200	8"	B125				
BTVA-250	10"	B140				
BTVA-300	12"	B160				



SPECIFICATION		3/2 Solenoid Valve Normaly Close/Open				
Model	Port Size	Efective Area(mm ²)	Position &Coil	Pressure Bar	Votage	Temp.
3V110-M5	M5	5.5	3 Port	1.5 - 9.0	DC 12V DC 24V	-5 - 60°C
3V110-06	1/8"	12				
3V210-06	1/8"	14				
3V210-08	1/4"	16	2 Position		AC 24V AC 110V AC 220V	
3V310-08	1/4"	25				
3V310-10	3/8"	30	Single coil			
3V410-15	1/2"	30				

All Valve Type



SPECIFICATION			5/2 Solenoid Valve			
Model	Port Size	Efective Area(mm ²)	Position &Coil	Pressure (Bar)	Votage	Temp.
4V110-M5	M5	5.5	5 Port 2 Position Single coil	1.5 - 9.0	DC 12V DC 24V AC 24V AC 110V AC 220V	-5 - 60°C
4V110-06	1/8"	12				
4V210-06	1/8"	14				
4V210-08	1/4"	16				
4V310-08	1/4"	25				
4V310-10	3/8"	30				
4V410-15	1/2"	50				
4V120-M5	M5	5.5	5 Port 2 Position Double coil	1.5 - 9.0	DC 12V DC 24V AC 24V AC 110V AC 220V	-5 - 60°C
4V120-06	1/8"	12				
4V220-06	1/8"	14				
4V220-08	1/4"	16				
4V320-08	1/4"	25				
4V320-10	3/8"	30				
4V420-15	1/2"	50				
4V130-M5	M5	5	5 Port 3 Position Double coil Midle position type C:Center close E:Center exhaust P:Center pressure	1.5 - 9.0	DC 12V DC 24V AC 24V AC 110V AC 220V	-5 - 60°C
4V130-06	1/8"	9				
4V230-06	1/8"	12				
4V230-08	1/4"	12				
4V330-08	1/4"	18				
4V330-10	3/8"	18				
4V430-15	1/2"	30				

All Valve Type



SPECIFICATION							3/2 Air Valve Normally Close/Open																		
Model	Port Size	Efective Area(mm ²)	Position &Control	Pressure Bar	Port control Size	Temp.	Model	Port Size	Efective Area(mm ²)	Position &Control	Pressure Bar	Port control Size	Temp.												
3A110-M5	M5	5.5	3 Port	1.5 - 9.0	1/8"	-5 - 60°C	4A110-M5	M5	5.5	5 Port	1.5 - 9.0	1/8"	-5 - 60°C												
3A110-06	1/8"	12					4A110-06	1/8"	12																
3A210-06	1/8"	14					4A210-06	1/8"	14																
3A210-08	1/4"	16	2 Position				1.5 - 9.0	1/8"	-5 - 60°C	4A210-08				1/4"	16	2 Position	1.5 - 9.0	1/8"	-5 - 60°C						
3A310-08	1/4"	25								4A310-08				1/4"	25										
3A310-10	3/8"	30	Single air control							1.5 - 9.0				1/8"	-5 - 60°C					4A310-10	3/8"	30	Single air control	1.5 - 9.0	1/8"
3A410-15	1/2"	30														4A410-15				1/2"	50				
SPECIFICATION											5/2 Air Valve														
4A120-M5	M5	5.5	5 Port	1.5 - 9.0	1/8"	-5 - 60°C					4A130-M5	M5	5			5 Port				1.5 - 9.0	1/8"	-5 - 60°C			
4A120-06	1/8"	12									4A130-06	1/8"	9												
4A220-06	1/8"	14					4A230-06	1/8"	12																
4A220-08	1/4"	16	2 Position				1.5 - 9.0	1/8"	-5 - 60°C		4A230-08	1/4"	12			2 Position	1.5 - 9.0	1/8"	-5 - 60°C						
4A320-08	1/4"	25								4A330-08	1/4"	18													
4A320-10	3/8"	30	Double air control							1.5 - 9.0	1/8"	-5 - 60°C	4A330-10	3/8"	18								Double air control	1.5 - 9.0	1/8"
4A420-15	1/2"	50											4A430-15	1/2"	30										
SPECIFICATION													5/2 Air Valve												
4A130-M5	M5	5	5 Port	1.5 - 9.0	1/8"	-5 - 60°C							4A230-08	1/4"	12	3 Position				1.5 - 9.0	1/8"	-5 - 60°C			
4A130-06	1/8"	9											4A330-08	1/4"	18										
4A230-06	1/8"	12					4A330-10	3/8"	18																
4A230-08	1/4"	12	Midle position type				1.5 - 9.0	1/8"	-5 - 60°C				4A330-10	3/8"	18	Midle position type	1.5 - 9.0	1/8"	-5 - 60°C						
4A330-08	1/4"	18								4A430-15	1/2"	30													
4A330-10	3/8"	18	C:Center close E:Center exhaust P:Center pressure							1.5 - 9.0	1/8"	-5 - 60°C	4A430-15	1/2"	30								C:Center close E:Center exhaust P:Center pressure	1.5 - 9.0	1/8"
4A430-15	1/2"	30																							

All Valve Type



SPECIFICATION					Manifold valve 5/2	
Type	Port Size	Model Valve	Stations	Temp.		
100M	1/8"	4V/4A1XX	1 - 16	-5 -60°C		
200M	1/4"	4V/4A2xx	1 - 16			
300M	3/8"	4V/4A3XX	1 - 12			
400M	1/2"	4V/4A3xx	1 - 12			



SPECIFICATION							Mechanical Valve 3/2 (MOV)	
Model	Port Size	Valve Type	Control Type	Acting	Pressure	Temp.		
MOV-B	1/8"	3/2NC	Non Button	Single Acting	0-10 Bar	-5 - 60°C		
MOV-R	1/8"	3/2NC	Roller lever					
MOV-R1	1/8"	3/2NC	One way roller					
MOV-RP	1/8"	3/2NC	Roller plunger					
MOV-L	1/8"	3/2NC	Toggle lever	Double Acting				
MOV-S	1/8"	3/2NC	Selecter switch	Double Acting				
MOV-PM	1/8"	3/2NC	Push button Mushroom(G,R)	Lock or Nonlock Type				
MOV-PF	1/8"	3/2NC	Push button Flat head (G,R)					
MOV-PE	1/8"	3/2NC	Push button Extend(G,R)					

All Valve Type



SPECIFICATION		Mechanical Valve 3/2 (JM)				
Model	Port Size	Valve Type	Control Type	Acting	Pressure	Temp.
JM-B	1/4"	3/2NC	Non Buttom	Single Acting	0-10 Bar	-5 - 60°C
JM-R	1/4"	3/2NC	Roller lever			
JM-R1	1/4"	3/2NC	One way roller			
JM-RP	1/4"	3/2NC	Roller plunger			
JM-L	1/4"	3/2NC	Toggle lever	Double Acting		
JM-S	1/4"	3/2NC	Selecter switch	Double Acting		
JM-PM	1/4"	3/2NC	Push buttom Muchroom(G,R)	Lock or Nonlock Type		
JM-PF	1/4"	3/2NC	Push buttom Flat head (G,R)			
JM-PE	1/4"	3/2NC	Push buttom Extend(G,R)			



SPECIFICATION		Mechanical Valve 5/2 (MV)				
Model	Port Size	Valve Type	Control Type	Acting	Pressure	Temp.
MV-B	1/4"	5/2way	Non Buttom	Single Acting	0-10 Bar	-5 - 60°C
MV-R	1/4"	5/2way	Roller lever			
MV-R1	1/4"	5/2way	One way roller			
MV-RP	1/4"	5/2way	Roller plunger			
MV-L	1/4"	5/2way	Toggle lever	Double Acting		
MV-S	1/4"	5/2way	Selecter switch	Double Acting		
MV-PM	1/4"	5/2way	Push buttom Muchroom(G,R)	Lock or Nonlock Type		
MV-PF	1/4"	5/2way	Push buttom Flat head (G,R)			
MV-PE	1/4"	5/2way	Push buttom Extend(G,R)			

All Valve Type



SPECIFICATION			Mechanical Valve 3/2 (S3)			
Model	Port Size	Valve Type	Control Type	Acting	Pressure	Temp.
S3B-m5	M5	3/2NC	Non Button	Single Acting	0-10 Bar	-5 - 60°C
S3B-06	1/8"	3/2NC				
S3B-08	1/4"	3/2NC				
S3R-m5	M5	3/2NC	R:Roller lever			
S3R-06	1/8"	3/2NC	R1:One way roller			
S3R-08	1/4"	3/2NC	RP:Roller plunger			
S3LP-m5	M5	3/2NC	Push lever			
S3LP-06	1/8"	3/2NC				
S3LP-08	1/4"	3/2NC				
S3L-m5	M5	3/2NC	Toggle lever			
S3L-06	1/8"	3/2NC				
S3L-08	1/4"	3/2NC				
S3S-m5	M5	3/2NC	Selector switch			
S3S-06	1/8"	3/2NC				
S3S-08	1/4"	3/2NC				
S3PM-m5	M5	3/2NC	Push button Mushroom Color:R,G,B	Lock or Nonlock Type		
S3PM-06	1/8"	3/2NC				
S3PM-08	1/4"	3/2NC				
S3PF-m5	M5	3/2NC	Push button Flat head Color:R,G,B			
S3PF-06	1/8"	3/2NC				
S3PF-08	1/4"	3/2NC				
S3PE-m5	M5	3/2NC	Push button Extend Color:R,G,B			
S3PE-06	1/8"	3/2NC				
S3PE-08	1/4"	3/2NC				

All Valve Type



SPECIFICATION			Mechanical Valve 5/2 (M5)				
Model	Port Size	Valve Type	Control Type	Acting	Pressure	Temp.	
M5B-m5	M5	5/2way	Non Button	Single Acting	0-10 Bar	-5 - 60°C	
M5B-06	1/8"	5/2way					
M5B-08	1/4"	5/2way					
M5R-m5	M5	5/2way	R:Roller lever				
M5R-06	1/8"	5/2way	R1:One way roller				
M5R-08	1/4"	5/2way	RP:Roller plunger				
M5LP-m5	M5	5/2way	Push lever				
M5LP-06	1/8"	5/2way					
M5LP-08	1/4"	5/2way					
M5L-m5	M5	5/2way	Toggle lever				Double Acting
M5L-06	1/8"	5/2way					
M5L-08	1/4"	5/2way					
M5S-m5	M5	5/2way	Selector switch				
M5S-06	1/8"	5/2way					
M5S-08	1/4"	5/2way					
M5PM-m5	M5	5/2way	Push button	Lock or Nonlock Type			
M5PM-06	1/8"	5/2way	Muchroom				
M5PM-08	1/4"	5/2way	Color:R,G,B				
M5PF-m5	M5	5/2way	Push button				
M5PF-06	1/8"	5/2way	Flat head				
M5PF-08	1/4"	5/2way	Color:R,G,B				
M5PE-m5	M5	5/2way	Push button				
M5PE-06	1/8"	5/2way	Extend				
M5PE-08	1/4"	5/2way	Color:R,G,B				

All Valve Type



SPECIFICATION		Hand lever valve 5/2,5/3 way				
Model	Port Size	Valve Type	Control Type	Acting	Pressure	Temp.
4H210-06	1/8"	5/2way	Hand Return	Double Acting	0-10 Bar	-5 - 60°C
4H210-08	1/4"					
4H310-10	3/8"					
4H410-15	1/2"					
4H230-06	1/8"	5/3way Close center	Spring Return	Single Acting	0-10 Bar	-5 - 60°C
4H230-08	1/4"					
4H330-10	3/8"					
4H430-15	1/2"					



SPECIFICATION		Hand rotary valve 4/2,4/3 way				
Model	Port Size	Valve Type	Control Type	Function	Pressure	Temp.
4HV210-06	1/8"	4/2way	Hand Return	With lock And Non lock	0-10 Bar	-5 - 60°C
4HV210-08	1/4"					
4H3V10-10	3/8"					
4HV410-15	1/2"					
4HV230-06	1/8"	4/3way Close center	Hand Return	With lock And Non lock	0-10 Bar	-5 - 60°C
4HV230-08	1/4"					
4HV330-10	3/8"					
4HV430-15	1/2"					

All Valve Type



SPECIFICATION		Hand Slide Valve				
Model	Port Size	Valve Type	Connection	Control Type	Pressure	Temp.
HSV-06	1/8"	3/2 way Normally close	*In(female)/out(male) *Double Male *In(male)/out(fem) *Double Female	Hand Slide	0-10 Bar	-5 - 60°C
HDV-08	1/4"					
HSV-10	3/8"					
HSV-15	1/2"					
HSV-20	3/4"					
HSV-25	1"					



SPECIFICATION		Foot valve 3/2,5/2 way				
Model	Port Size	Valve Type	Function	Control Type	Pressure	Temp.
Fv-02	1/4"	3/2 way NC.	Spring return	Foot Return	0-10 Bar	-5 - 60°C
FV-02A	1/4"		Selflock			
FOV-320	1/4"	5/2 way	Spring return			
FOV320A	1/4"		Selflock			
FOV320C	1/4"		Spring return+cover			
FOV-320AC	1/4"		Selflock+cover			