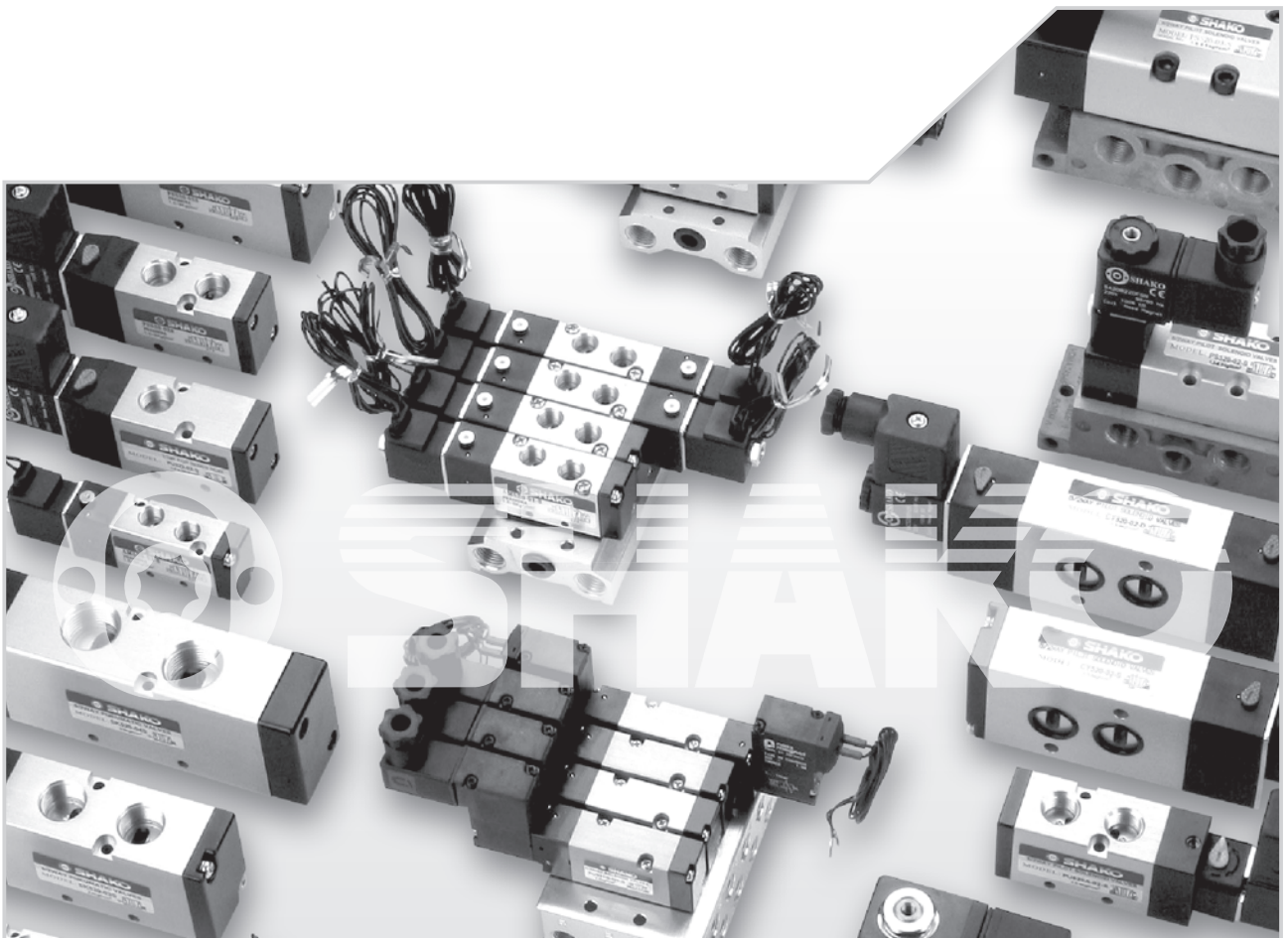
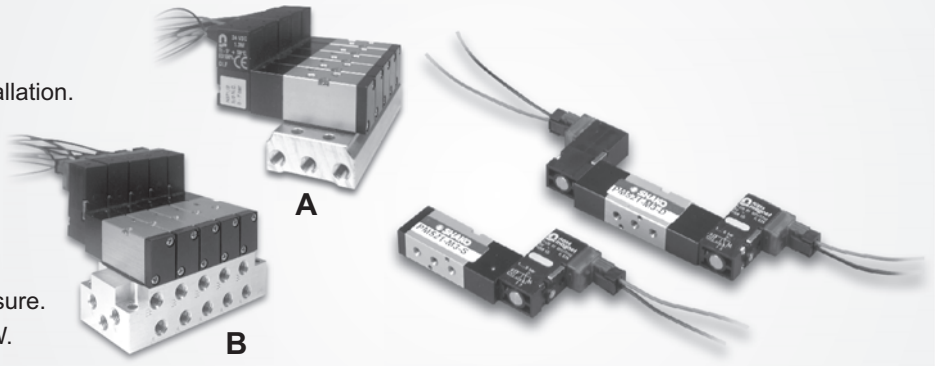


SOLENOID VALVES



Features

- * Plug with standard JPC design (with LED) for coil, simple installation.
- * Miniature and Compact size, 10mm width, large flow rate.
- * Anodized aluminum body and strict quality control provide a long durability.
- * Quick acting, low starting pressure.
- * Low power consumption 0.65W.



How to order

PM521	A	F	-	M3	-	S	9	LED
10mm valves series	Valve type	Manifold		Port size		Solenoid	Voltage	LED
5/2 way	A Body ported B Base mounted	Blank Standard (W/O manifold) F01 W/I single sub base (B type) Fxx xx stations manifold (B type) M02 2 stations manifold (A type) Mxx xx stations manifold (A type)		M3 M3 M5 M5		S Single solenoid D Double solenoid	6 6VDC 7 12VDC 9 24VDC	Blank (W/O LED)

How to order manifold

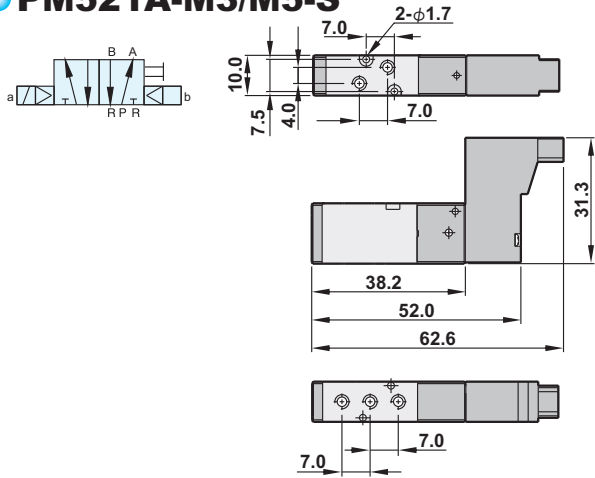
MF521	A	-	M3	-	02
10mm valves series	Manifold type		Port size		Stations
5/2 way	A For body ported valve B For base mounted valve				02 2 stations 03 3 stations XX XX stations

Specifications

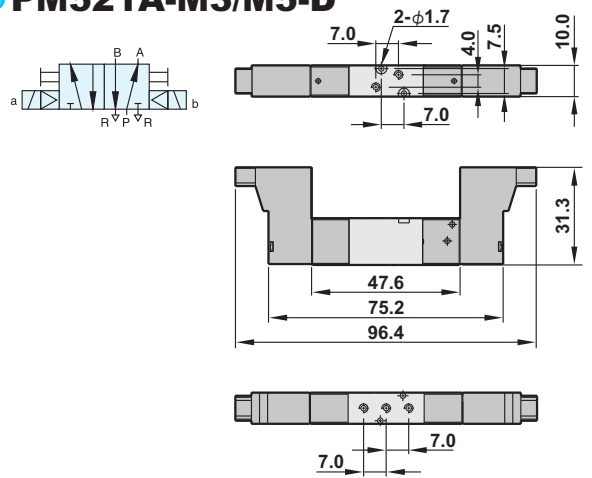
Model	PM521-M3/M5-S	PM521-M3/M5-D
Port size	M3/M5	
Fluid	Compressed air	
Sectional area	1.0mm ²	
Acting	Internal pilot	
Operating pressure range	1.0 ~7 kgf/cm ²	
Cycle rate	500 cpm	
Max. operating pressure	8.0 kgf/cm ²	
Ambient temperature	-10°C ~ 60°C	
Duty cycle	100% ED	
Electrical connection	JPC plug connector	
Protection class	IP65(DIN 40 050)	
Insulation class	F	
Voltage tolerance	±10%	
Standard voltage	6VDC, 12VDC, 24VDC (The other voltage is optional)	
Net weight	35g	48g

Dimensions

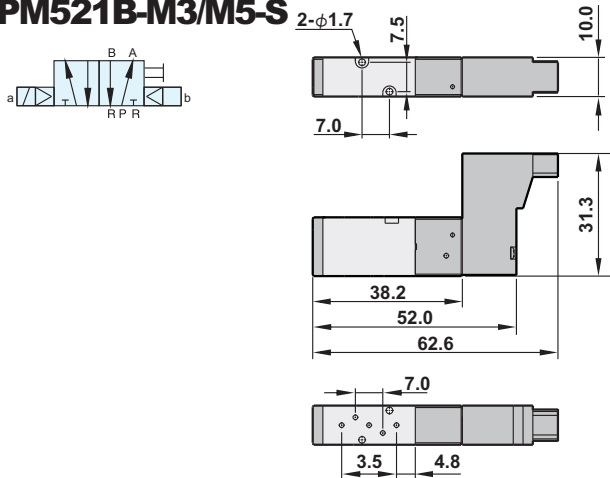
PM521A-M3/M5-S



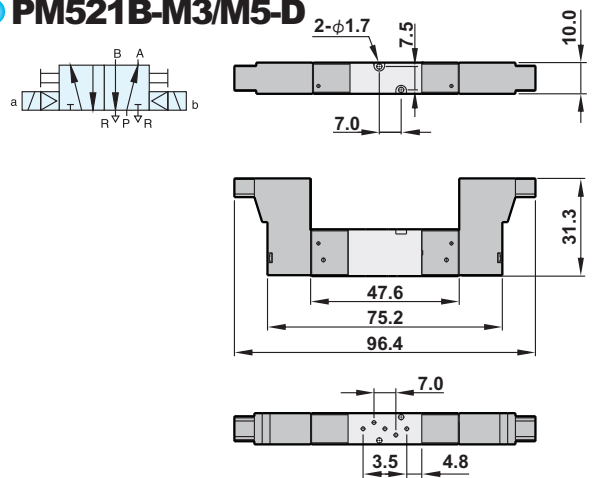
PM521A-M3/M5-D



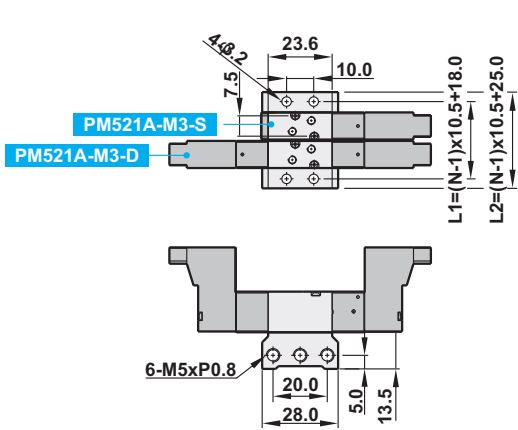
PM521B-M3/M5-S



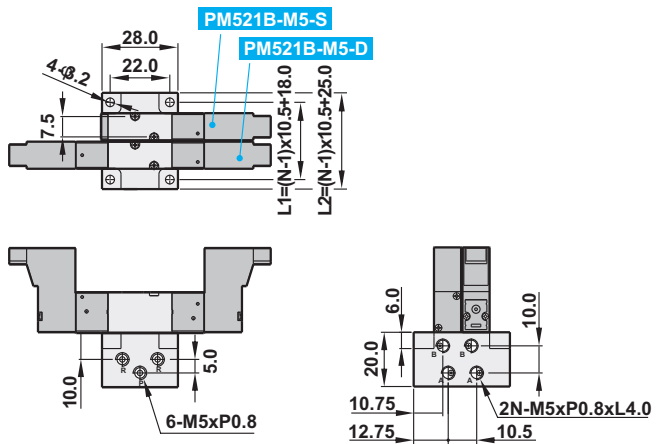
PM521B-M3/M5-D



MF521A-M5



MF521B-M5

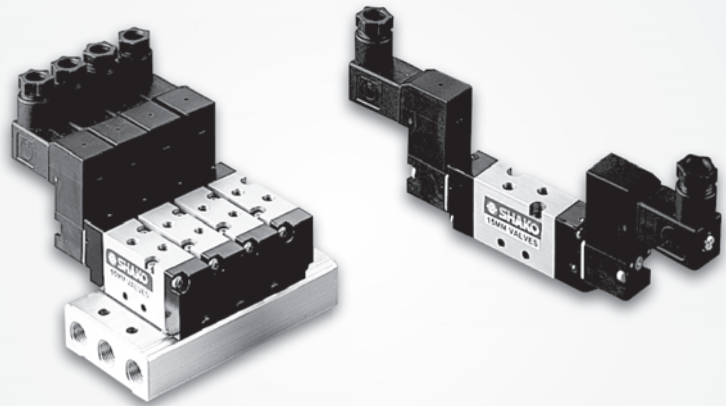


Number of station (N)	2	3	4	5	6	7	8	9	10
L1	28.5	39.0	49.5	60.0	70.5	81.0	91.5	102.0	112.5
L2	35.5	46.0	56.5	67.0	77.5	88.0	98.5	109.0	119.5

SOLENOID VALVES

Features

- * Miniature and Compact size, 15mm width, large flow rate (0.25Cv).
- * Manual override design for easy test and operation.
- * Anodized aluminum body and strict quality control provide a long durability.
- * Quick acting, low starting pressure.



How to order

PU521	A	F	-	M5	-	S	2	D	LED
15mm valves series	Valve type	Manifold		Port size	Solenoid	Voltage	Coil type		LED
5/2 way	A Body ported B Base mounted	Blank	Standard (W/O manifold)	M5 M5	S Single solenoid D Double solenoid	1 110VAC 2 220VAC 9 24VDC	Blank Lead wire D DIN	Blank (W/O LED)	
		F01	W/I single sub base (B type)						
		F02	2 stations manifold (B type)						
		Fxx	xx stations manifold (B type)						
		M02	2 stations manifold (A type)						
		Mxx	xx stations manifold (A type)						

How to order manifold

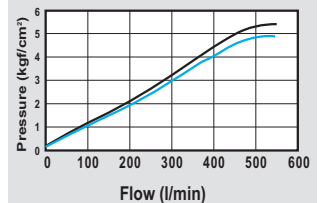
MF521	A	-	M5	-	O2
15mm valves series	Manifold type		Stations		
5/2 way	A For body ported valve B For base mounted valve		O2 2 stations O3 3 stations XX XX stations		

Specifications

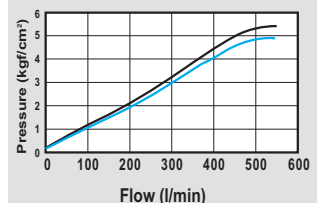
Model	PU521A-M5-S(D)	PU521B-M5-S(D)
Port size	M5	
Fluid	Compressed air	
Acting	Internal pilot	
Operating pressure range	1 ~8 kgf/cm ²	
Max. operating pressure	9 kgf/cm ²	
Sectional area	3.5mm ²	
Cycle rate	120 cpm	
Ambient temperature	-10°C ~ 50°C	
Duty cycle	100% ED	
Coil type	Lead wire(Standard), DIN(Option)	
Protection class	IP65(DIN 40 050)	
Insulation class	F	
Voltage tolerance	±10%	
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)	
Net weight	96g	106g

Flow chart

Model: PU521A-M5-S(D)

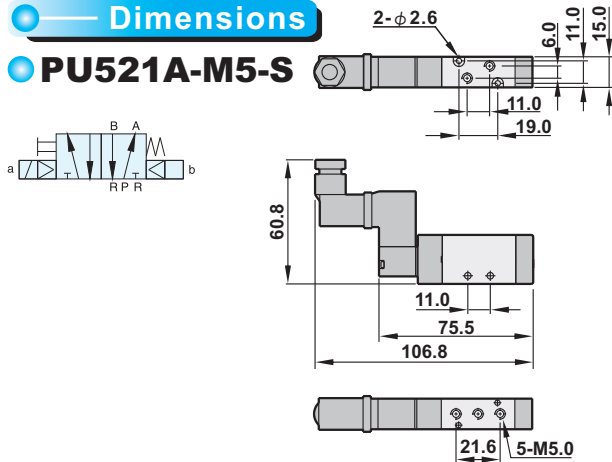


Model: PU521B-M5-S(D)

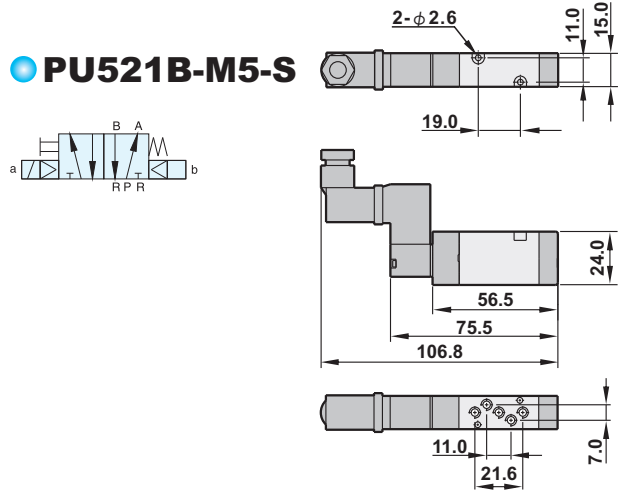


Dimensions

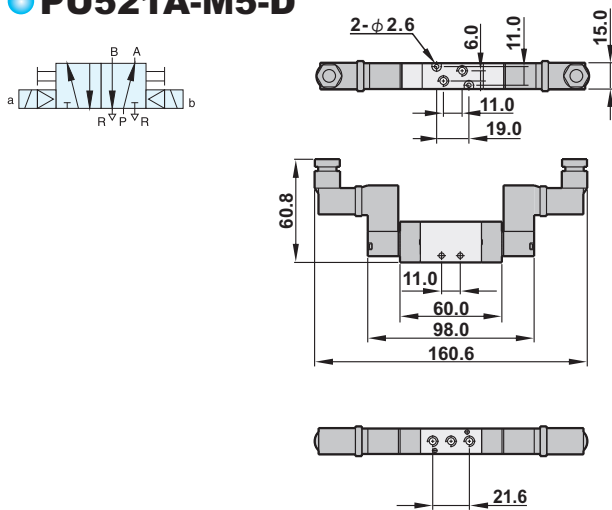
PU521A-M5-S



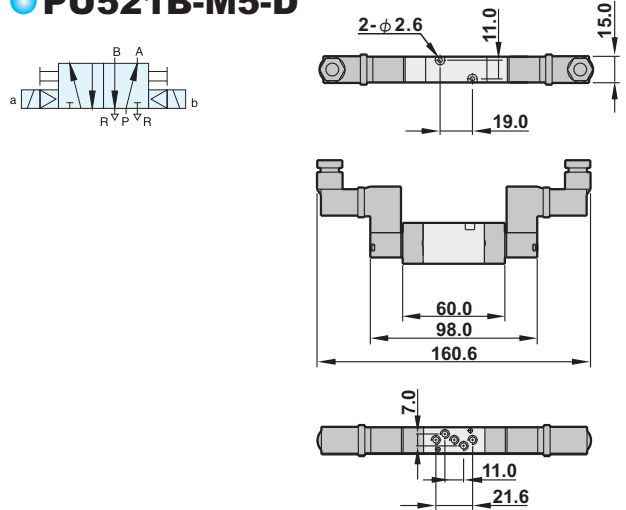
PU521B-M5-S



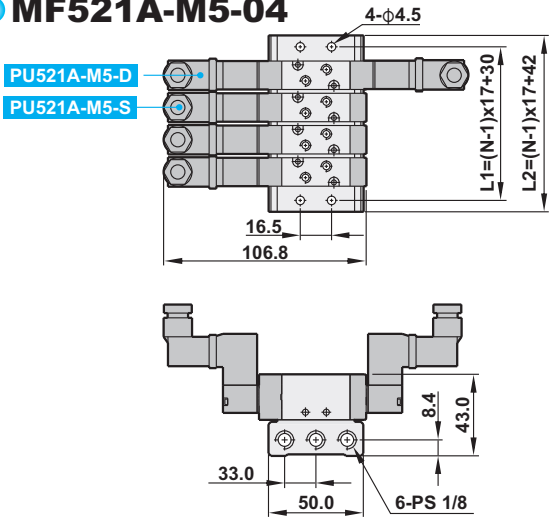
PU521A-M5-D



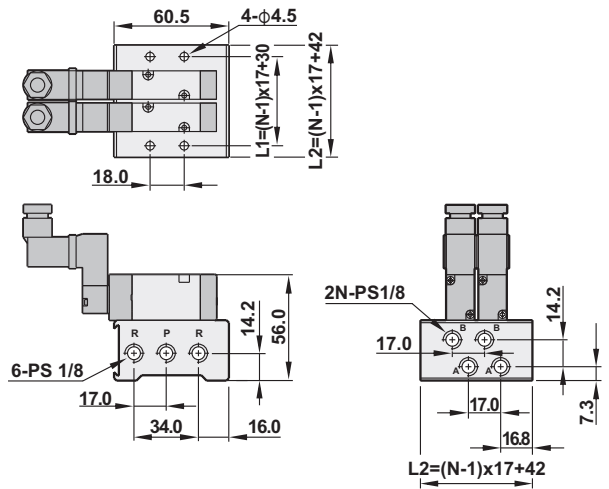
PU521B-M5-D



MF521A-M5-04



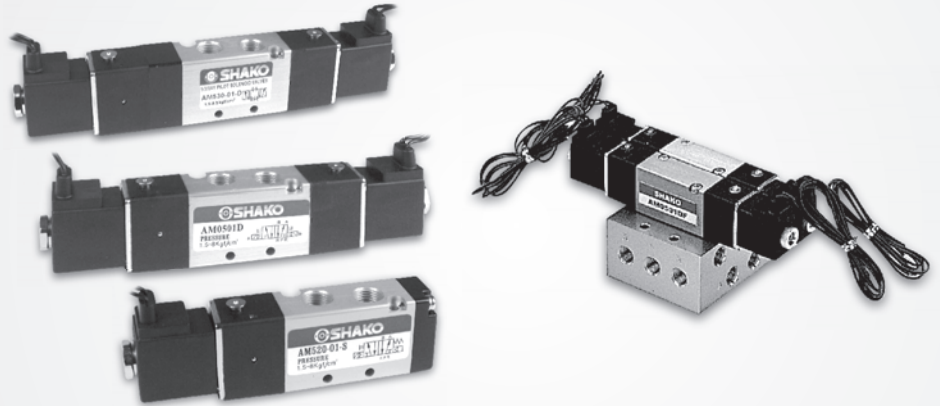
MF521B-M5-02



Number of station (N)	2	3	4	5	6	7	8	9	10
L1	47.0	64.0	81.0	98.0	115.0	132.0	149.0	166.0	183.0
L2	59.0	76.0	93.0	110.0	127.0	144.0	161.0	178.0	195.0

Features

- * Medium and compact size, 18mm width solenoid valve.
- * Manual override design for easy test and operation.
- * Anodized aluminum body and strict quality control provide a long durability.



How to order

AM520	B	X	-	O1	N	-	S	2	D	LED	
18mm valves series	Valve type	Acting style		Port size	Thread		Solenoid	Voltage	Coil type		LED
52 5/2 way 53 5/3 way	Blank Body ported B Base mounted	Blank Standard X Exhaust center Y Pressurized center		O1 1/8"	Blank PS N NPT		S Single solenoid D Double solenoid	1 110VAC 2 220VAC 9 24VDC	Blank Lead wire D DIN	Blank (W/O LED)	

How to order manifold

MF520	-	O1	N	-	O2
18mm valves series		Port size	Thread		Stations
For body ported valve		O1 1/8"	Blank PS N NPT		O2 2 stations O3 3 stations XX XX stations

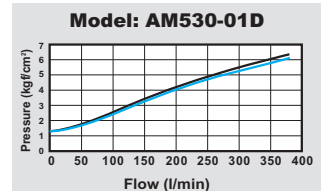
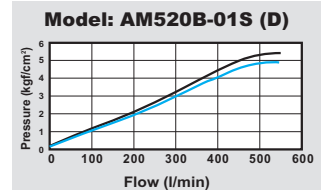
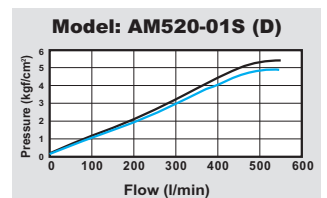
How to order manifold (B type)

SF520	-	O1	N	-	O2
18mm valves series		Port size	Thread		Stations
For base mounted valve		O1 1/8"	Blank PS N NPT		O2 2 stations O3 3 stations XX XX stations

Specifications

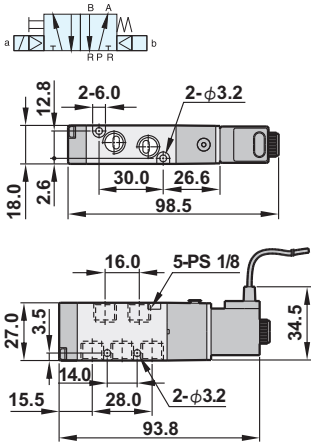
Model	AM520-O1-S(D)	AM520B-O1-S(D)	AM530-O1-D
Port size	1/8"		
Fluid	Compressed air		
Acting	Internal pilot		
Sectional area	11mm ² / 25mm ²		9mm ²
Operating pressure range	1.5~8 kgf/cm ²		2~7 kgf/cm ²
Max. operating pressure	9.9 kgf/cm ²		
Ambient temperature	-10°C ~ 50°C		
Duty cycle	100% ED		
Coil type	Lead wire (Standard), DIN (Option)		
Protection class	IP65 (DIN 40 050)		
Insulation class	F		
Voltage tolerance	±10%		
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)		
Net weight	125g (195g)	580g (660g)	215g

Flow chart

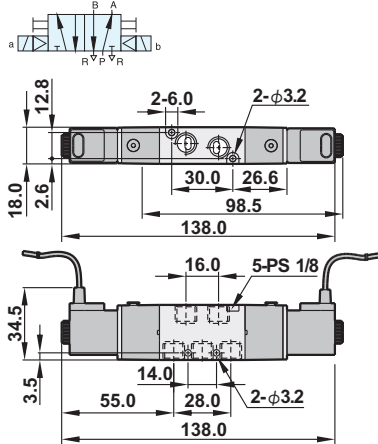


Dimensions

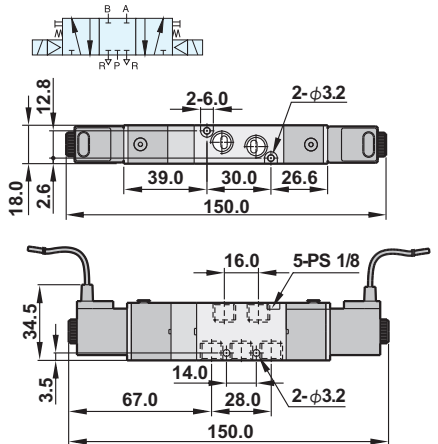
AM520-01-S



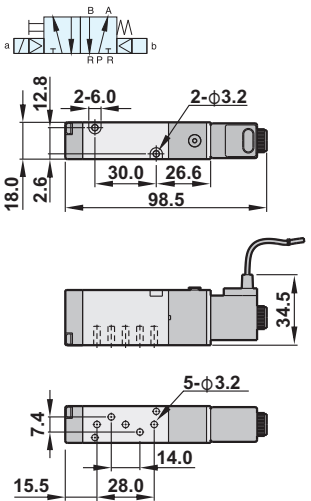
AM520-01-D



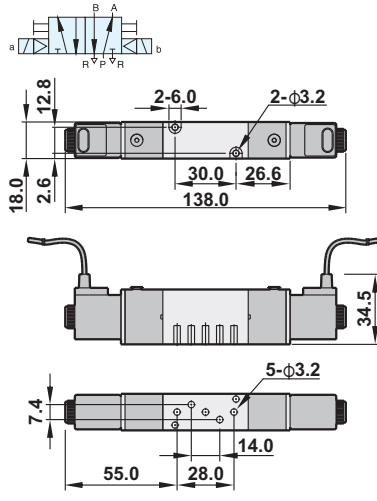
AM530-01-D



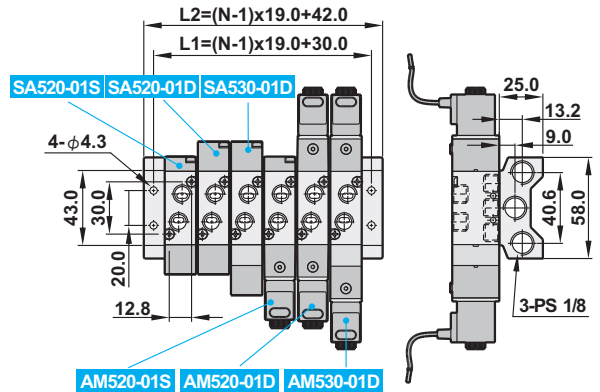
AM520B-01-S



AM520B-01-D

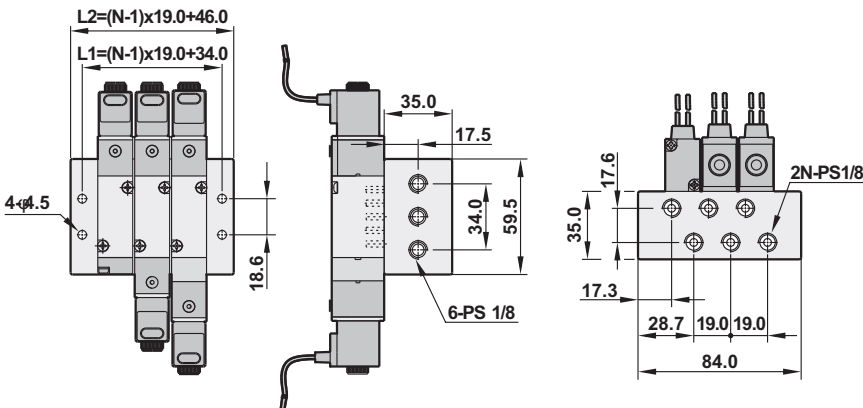


MF520-01-06



Number of station (N)	2	3	4	5	6	7	8	9	10
L1	49.0	68.0	87.0	106.0	125.0	144.0	163.0	181.0	190.0
L2	61.0	80.0	99.0	118.0	137.0	156.0	175.0	174.0	213.0

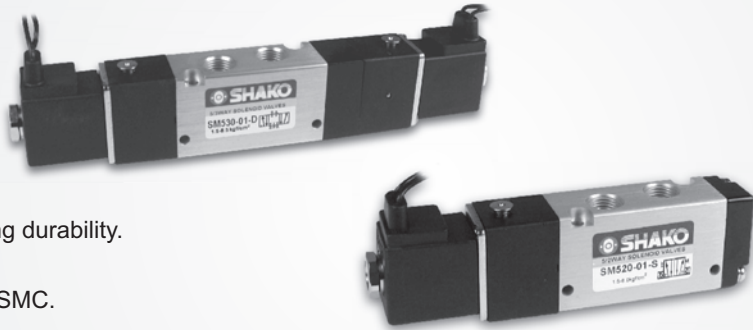
SF520-01-03



Number of station (N)	L1	L2
2	53.0	65.0
3	72.0	84.0
4	91.0	103.0
5	110.0	122.0
6	129.0	141.0
7	148.0	160.0
8	167.0	179.0
9	186.0	198.0
10	205.0	217.0

Features

- * Medium and compact size, 18mm width solenoid valve.
- * Manual override design for easy test and operation.
- * Anodized aluminum body and strict quality control provide a long durability.
- * The mounting position is identical to the counter product from SMC.



How to order

SM520	X	01	N	S	2	D	LED
18mm valves series	Acting style	Port size	Thread	Solenoid	Voltage	Coil type	LED
52 5/2 way 53 5/3 way	Blank Standard 5/3 way X Exhaust center Y Pressurized center	01 1/8"	Blank PS N NPT	S Single solenoid D Double solenoid	1 110VAC 2 220VAC 9 24VDC	Blank Lead wire D DIN	Blank (W/O LED)

How to order manifold

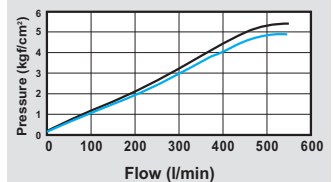
MF52S	01	N	03
Model number	Port size	Thread	Stations
SM 18mm valves series	01 1/8"	Blank PS N NPT	02 2 stations 03 3 stations XX XX stations

Specifications

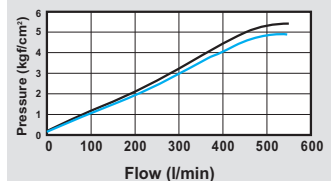
Model	SM520-01-S	SM520-01-D	SM530-01-D
Port size	1/8"		
Fluid	Compressed air		
Acting	Internal pilot		
Sectional area	11mm ²	9mm ²	
Operating pressure range	1.5~8 kgf/cm ²	2~7 kgf/cm ²	
Max. operating pressure	9.9 kgf/cm ²		
Ambient temperature	-10°C ~ 50°C		
Duty cycle	100% ED		
Coil type	Lead wire (Standard), DIN (Option)		
Protection class	IP65 (DIN 40 050)		
Insulation class	F		
Voltage tolerance	±10%		
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)		
Net weight	125g	195g	215g

Flow chart

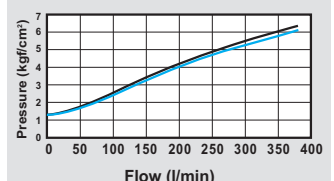
Model: SM520-01S



Model: SM520B-01S

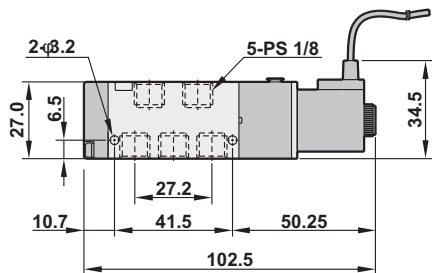
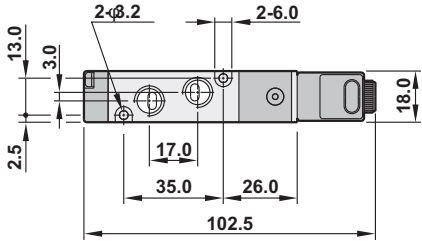
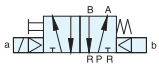


Model: SM530-01D

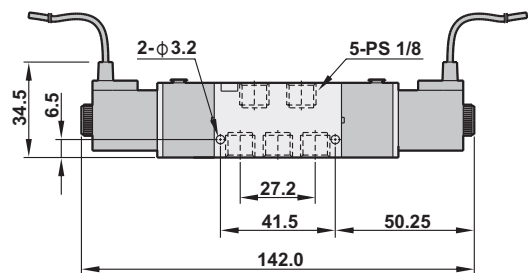
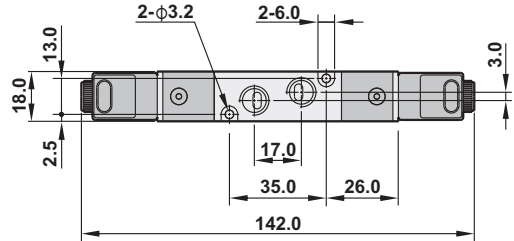
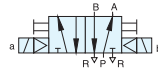


Dimensions

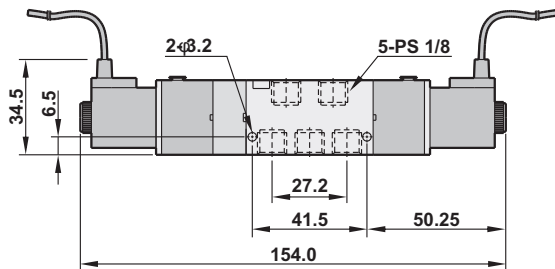
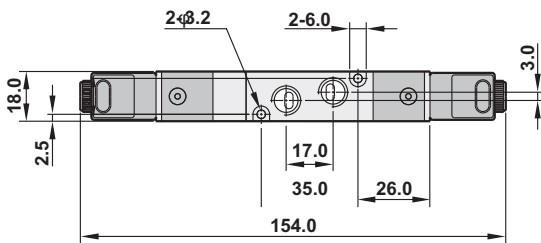
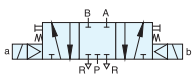
SM520-01-S



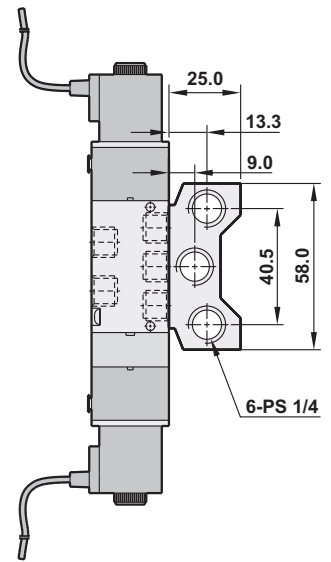
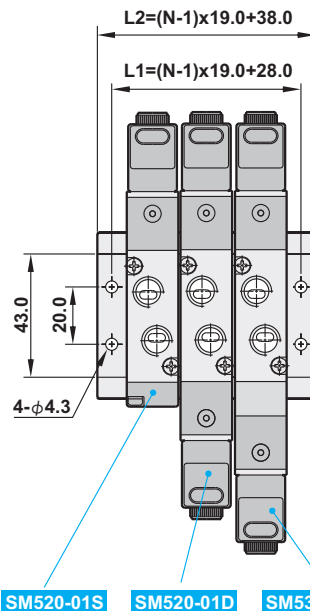
SM520-01-D



SM530-01-D



MF52S-01-03



Number of station (N)	2	3	4	5	6	7	8	9	10
L 1	47.0	66.0	85.0	104.0	123.0	142.0	161.0	180.0	199.0
L 2	57.0	76.0	95.0	114.0	133.0	152.0	171.0	190.0	209.0

Features

- * Medium size, 22mm width solenoid valve, large flow rate.
- * Lockable manual override for easy operation.
- * Anodized aluminum body and strict quality control provide a long durability.
- * Ex-proof coil is available, please refer to page 7-6.



How to order

BM520	X	—	O2	N	—	S	2	LED	E		
22mm valves series	Acting style		Port size	Thread		Solenoid		Voltage	LED	Coil type	
52 5/2 way 53 5/3 way	Blank X Y	Standard Exhaust center Pressurized center	O2 1/4"	Blank N	PS NPT	S D	1 110VAC 2 220VAC 9 24VDC	Blank (W/O LED)	Blank E	DIN Ex-proof	

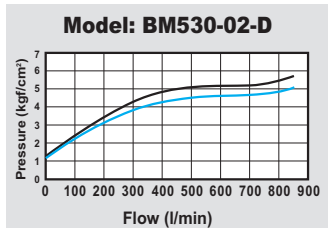
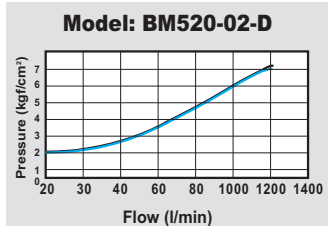
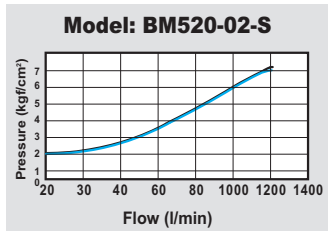
How to order manifold

MFB520	—	O2	—	N	—	O2
22mm valves series		Port size		Thread		Stations
		1/4"		Blank N	PS NPT	O2 2 stations O3 3 stations XX XX stations

Specifications

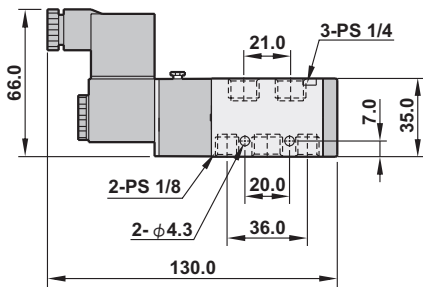
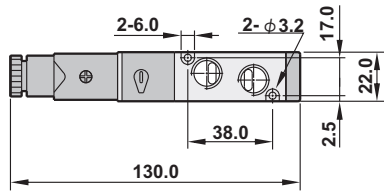
Model	BM520-O2-S	BM520-O2-D	BM530-O2-D
Port size	1/4", 1/8" (Exhaust ports)		
Fluid	Compressed air		
Acting	Internal pilot		
Sectional area	18mm ²		14mm ²
Operating pressure range	1.5~8 kgf/cm ²		2~8 kgf/cm ²
Max. operating pressure	9.9 kgf/cm ²		
Ambient temperature	-10°C ~ 50°C		
Duty cycle	100% ED		
Coil type	DIN (Standard)		
Protection class	IP65 (DIN 40 050)		
Insulation class	F		
Voltage tolerance	±10%		
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)		
Net weight	235g	335g	445g

Flow chart

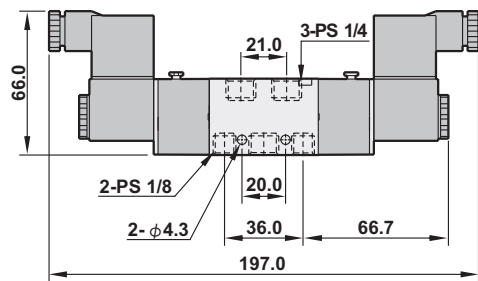
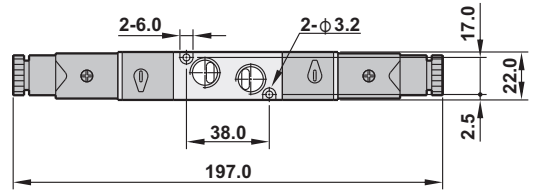
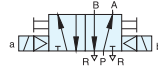


Dimensions

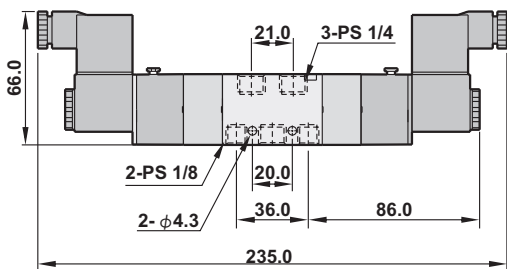
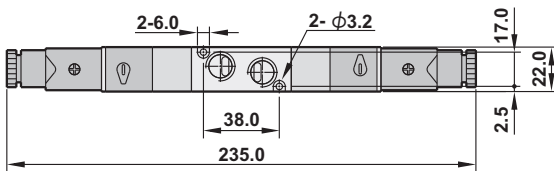
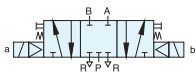
BM520-02-S



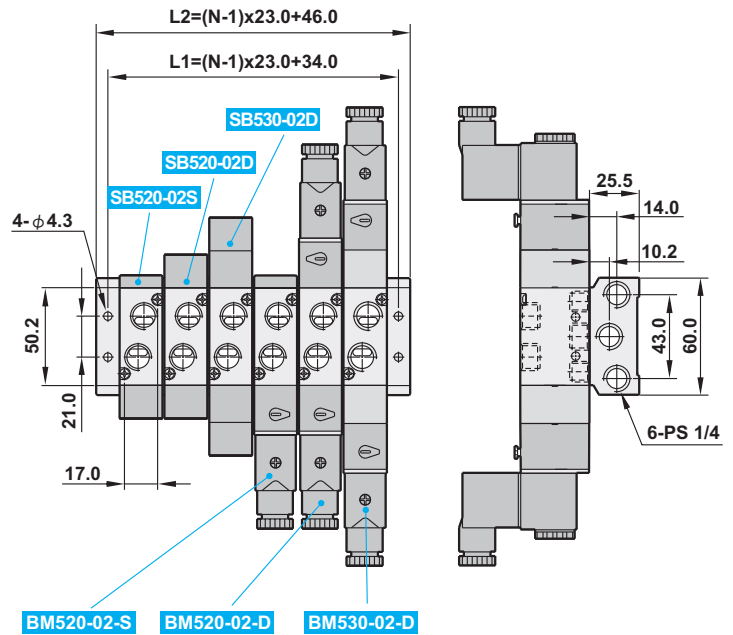
BM520-02-D



BM530-02-D



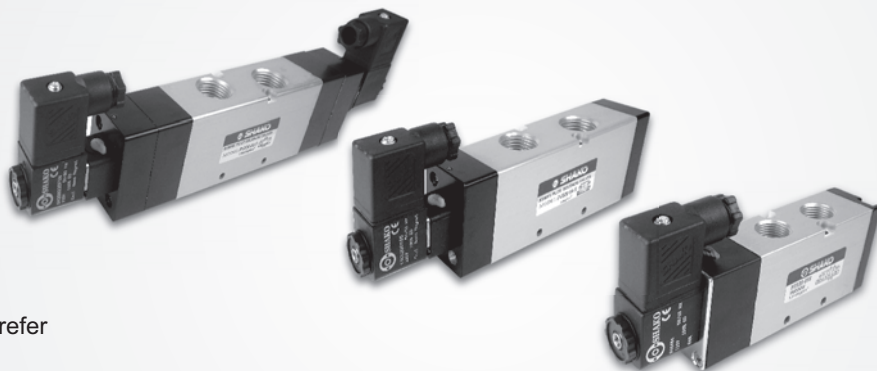
MFB520-02-06



Number of station (N)	2	3	4	5	6	7	8	9	10
L1	57.0	80.0	103.0	126.0	149.0	172.0	195.0	218.0	241.0
L2	69.0	92.0	115.0	138.0	161.0	184.0	207.0	230.0	253.0

Features

- * Medium size and large flow rate.
- * Lockable manual override for easy operation.
- * Aluminum body with surface anodizing treatment and strict quality control for long durability.
- * Ex-proof coil is available, please refer to page 7-6.



How to order

PU520		X		-		02		N		-		S		2		LED		E	
PU series		Acting style		Port size		Thread		Solenoid		Voltage		LED		Coil type					
52	5/2 way	Blank	Standard	02	1/4"	Blank	PS	S	Single solenoid	1	110VAC	Blank	DIN						
53	5/3 way	5/3 way		03	3/8"	N	NPT	D	Double solenoid	2	220VAC	Blank (W/O LED)	E	Ex-proof					
		X	Exhaust center	04	1/2"			5/3 way valve is only available for Double solenoid		9	24VDC								
		Y	Pressurized center																

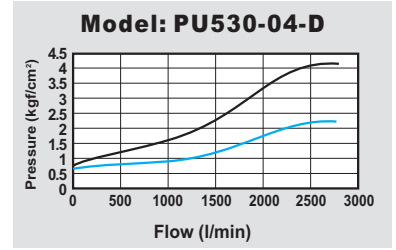
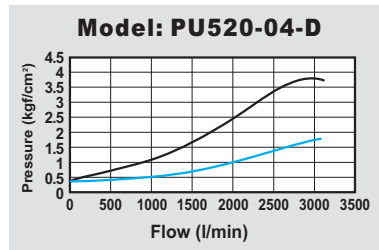
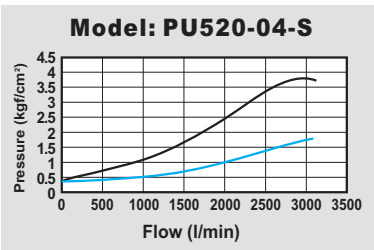
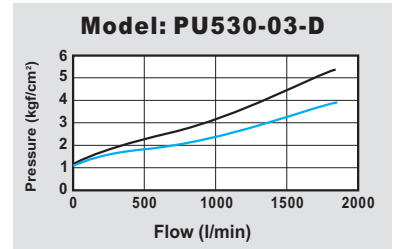
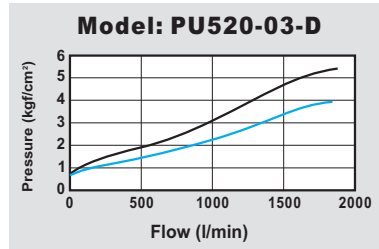
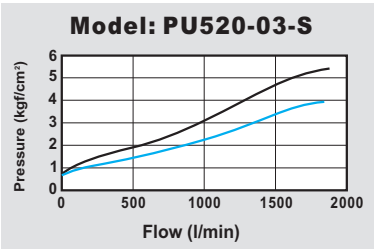
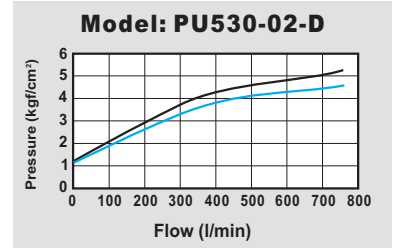
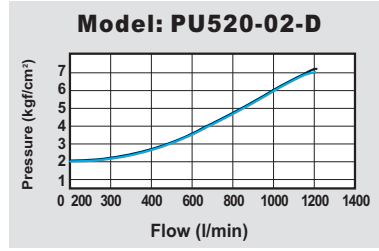
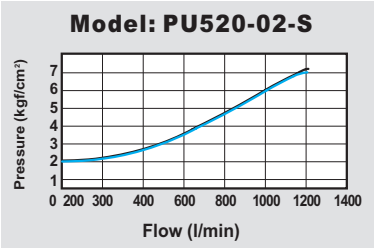
How to order manifold

MF520		-		02		N		-		02	
PU valves series		Port size		Thread		Stations					
		02	1/4"	Blank	PS	02	2 stations				
		03	3/8"	N	NPT	03	3 stations				
		04	1/2"			XX	XX stations				

Specifications

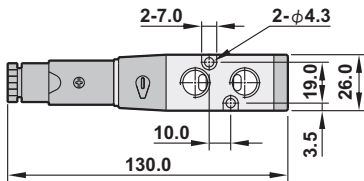
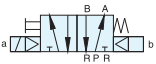
Model	PU520-02-S(D)	PU530-02-D	PU520-03-S(D)	PU530-03-D	PU520-04-S(D)	PU530-04-D
Port size	1/4" , 1/8" (Exhaust ports)		3/8"		1/2"	
Fluid	Compressed air					
Sectional area	18mm ²	14mm ²	35mm ²	32mm ²	70mm ²	54mm ²
Acting	Internal pilot					
Operating pressure range	1.5~8 kgf/cm ²	2~8 kgf/cm ²	1.5~8 kgf/cm ²		2~8 kgf/cm ²	
Max. operating pressure	9.9 kgf/cm ²					
Ambient temperature	-10°C ~ 60°C					
Duty cycle	100% ED					
Coil type	DIN (Standard)					
Protection class	IP65 (DIN 40 050)					
Insulation class	F					
Voltage tolerance	±10%					
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)					
Net weight	270g / 335g	475g	430g / 525g	715g	665g / 770g	1045g

Flow chart

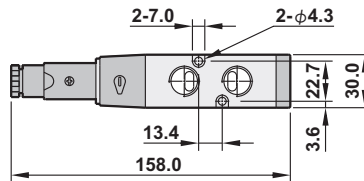


Dimensions

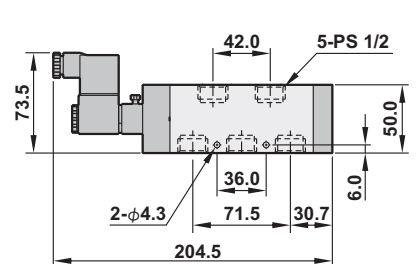
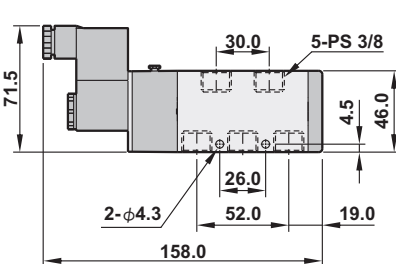
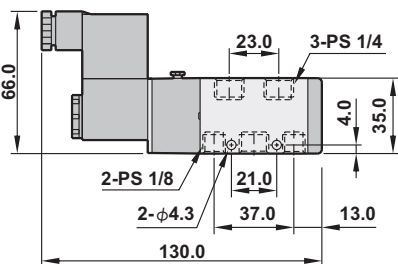
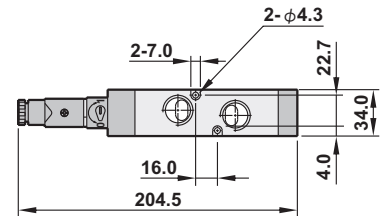
PU520-02-S



PU520-03-S

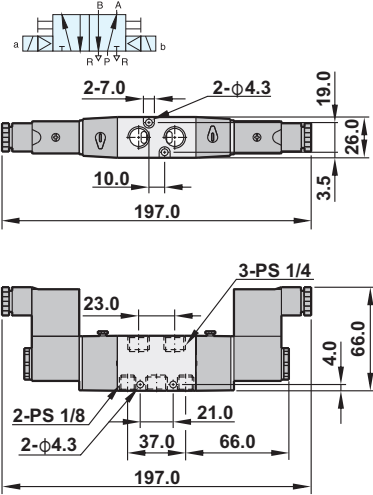


PU520-04-S

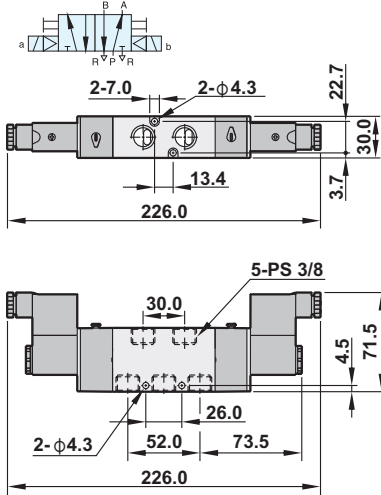


Dimensions

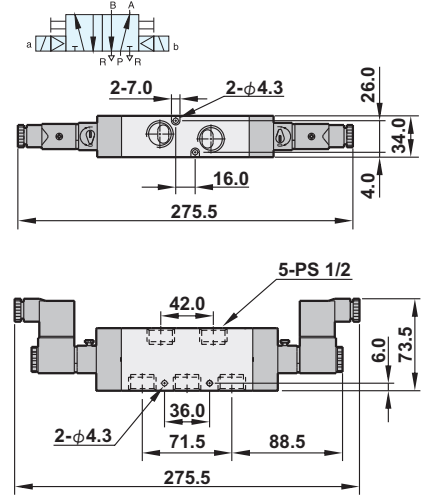
PU520-02-D



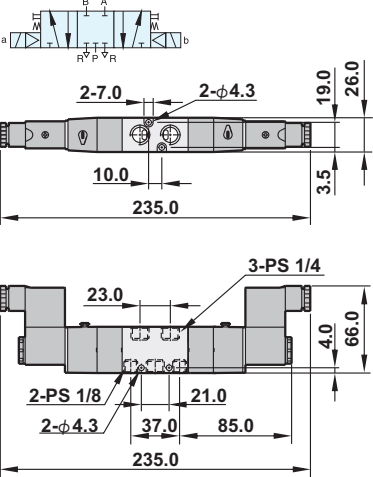
PU520-03-D



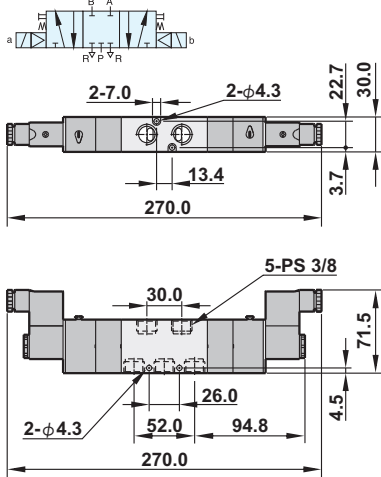
PU520-04-D



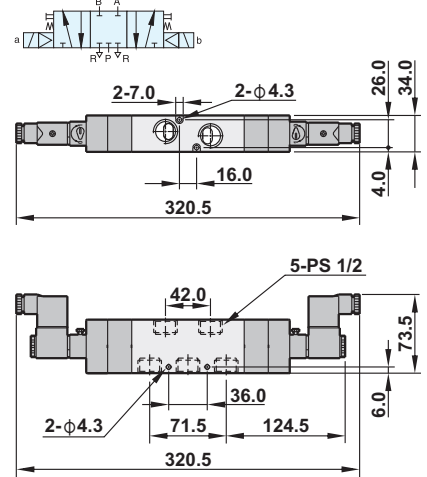
PU530X(Y)-02D



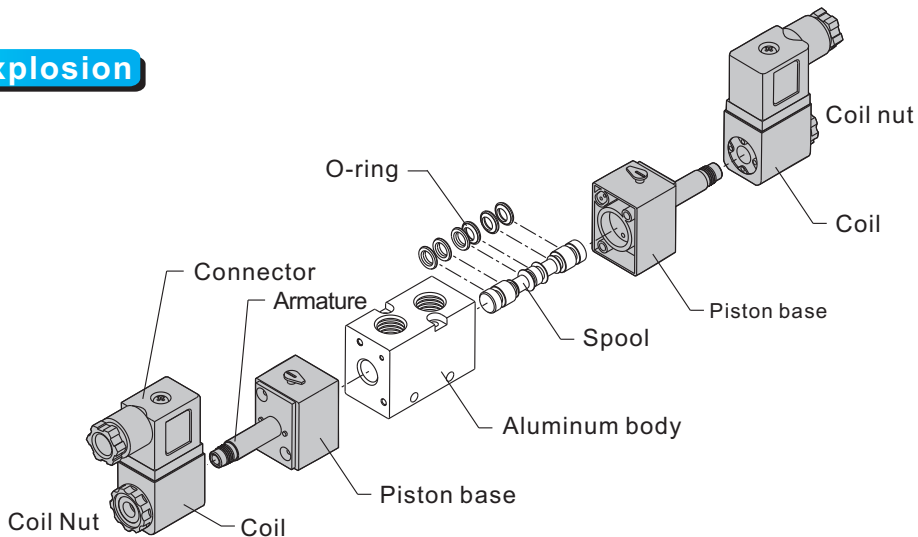
PU530X(Y)-03D



PU530X(Y)-04D

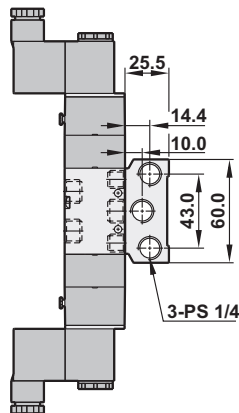
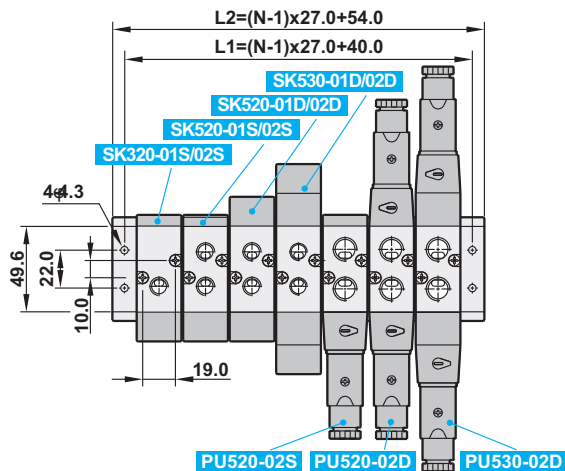


Explosion



Dimensions

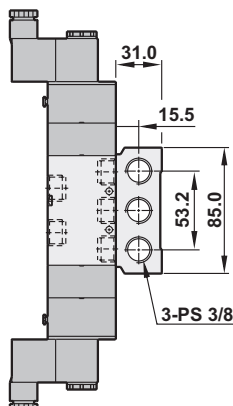
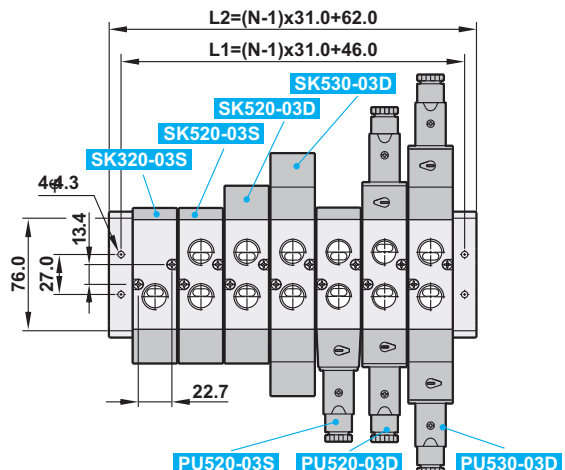
MF520-02-07



Number of station (N)	L1	L2
2	67.0	81.0
3	94.0	108.0
4	121.0	135.0
5	148.0	162.0
6	175.0	189.0
7	202.0	216.0
8	229.0	243.0
9	256.0	270.0
10	283.0	297.0

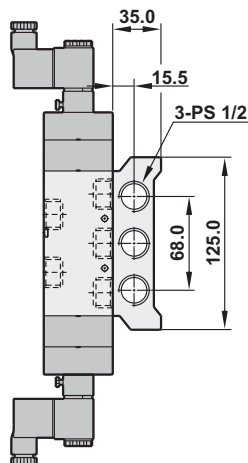
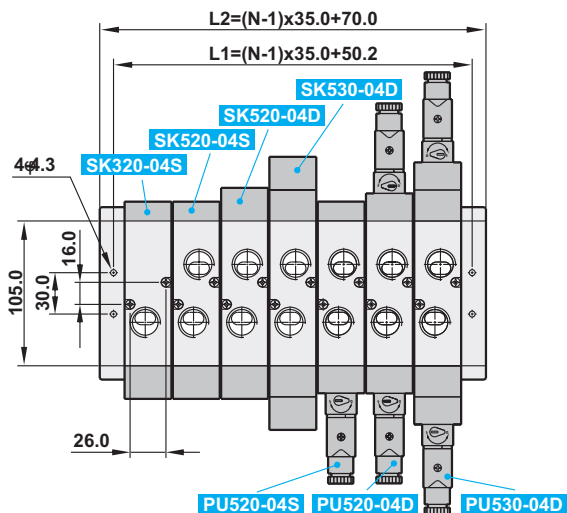
SOLENOID VALVES

MF520-03-07



Number of station (N)	L1	L2
2	77.0	93.0
3	108.0	124.0
4	139.0	155.0
5	170.0	186.0
6	201.0	217.0
7	232.0	248.0
8	263.0	279.0
9	294.0	310.0
10	325.0	341.0

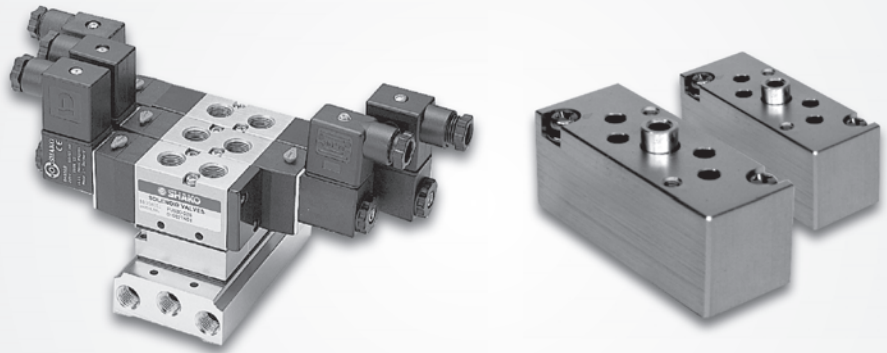
MF520-04-07



Number of station (N)	L1	L2
2	85.2	105.0
3	120.2	140.0
4	155.2	175.0
5	190.2	210.0
6	225.2	245.0
7	260.2	280.0
8	295.2	315.0
9	330.2	350.0
10	365.2	385.0

Features

- * The shut-off block allows a valve to be removed without switching off other solenoid valves and air supply.
- * Apply to PU520, PU530 series.



How to order

S0B52

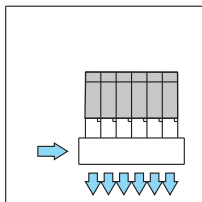
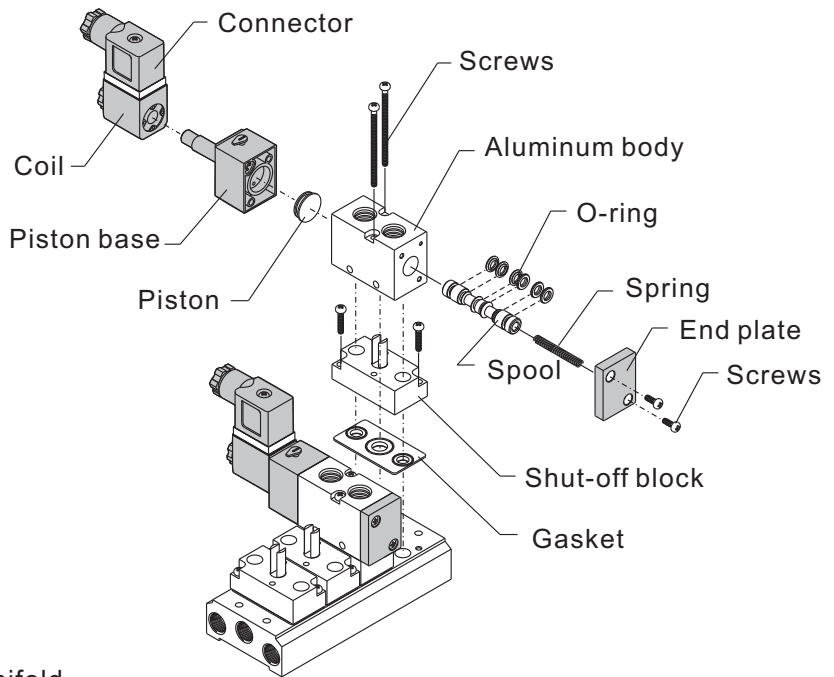
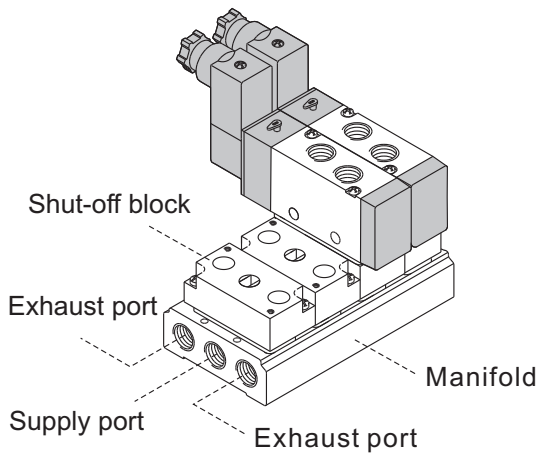
Shut-off block

02

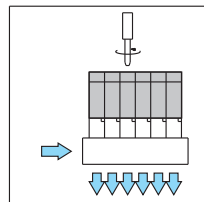
Port size

02	1/4"
M5	M5

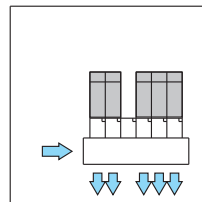
Installation



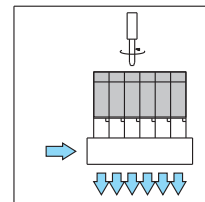
1. Select a solenoid valve needs to be removed.



2. Loosen retaining screws on the valve.



3. Remove the valve and shut-off block automatically cut off air supply and exhaust in the meantime.



4. Replace a new solenoid valve and shut-off block will reopen the ports and re-energize the new valve.

Blank area with horizontal dashed lines for writing.



Features

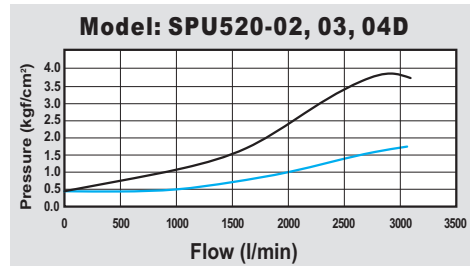
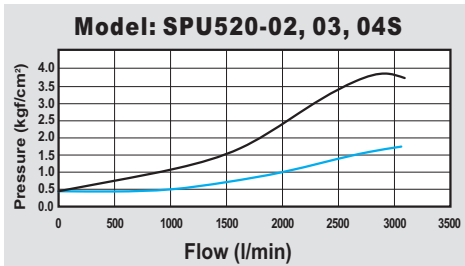
- * Stainless steel SUS316 body for corrosion resistance.
- * Ex-proof coil is available, please refer to page 7-6.



How to order

SPU520	—	04	N	—	S	1	LED	E
SUS316 series		Port size	Thread		Solenoid	Voltage	LED	Coil type
5/2 way		02 1/4" 03 3/8" 04 1/2"	Blank PS N NPT		S Single solenoid D Double solenoid	1 110VAC 2 220VAC 9 24VDC	Blank (W/O LED)	Blank DIN E Ex-proof

Flow chart



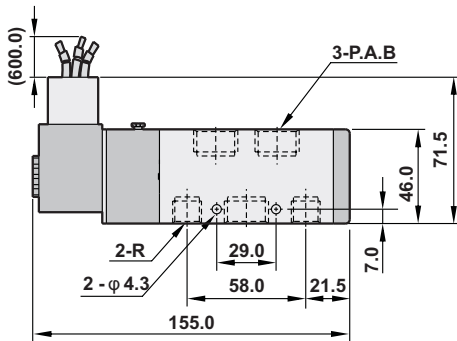
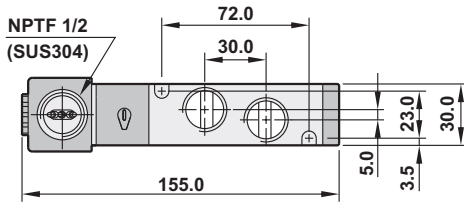
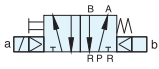
Specifications

Model	SPU520-02, 03, 04S		SPU520-02, 03, 04D	
Port size	1/4", 3/8", 1/2"		1/4", 3/8", 1/2"	
Sectional area	35mm ²	65mm ²	35mm ²	65mm ²
Fluid	Compressed air			
Acting	Internal pilot			
Operating pressure range	1.5~8 kgf/cm ²			
Max. operating pressure	9.99 kgf/cm ²			
Ambient temperature	-10°C ~ 60°C			
Insulation class	F			
Temperature class	EExmIIT4			
Duty cycle	100% ED			
Voltage tolerance	±10%			
Protection class	IP65 (EN 60529)			
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)			
Net weight	1000g		1200g	

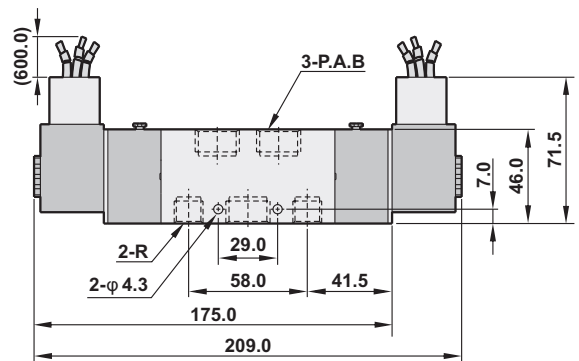
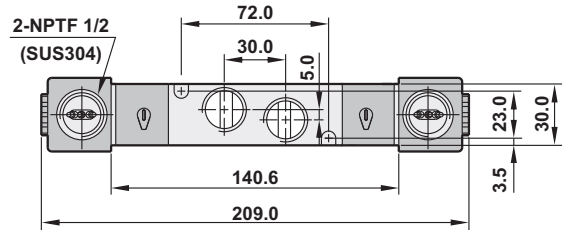
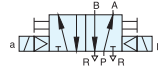
SOLENOID VALVES

Dimensions

SPU520-02, 03, 04S

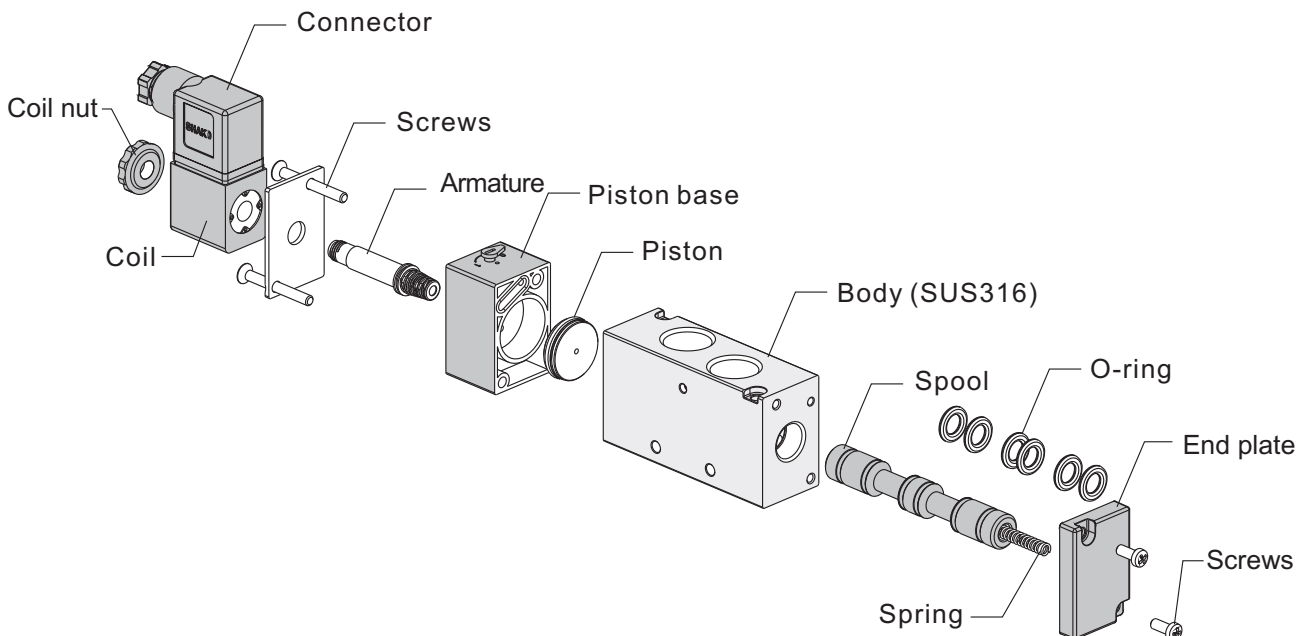


SPU520-02, 03, 04D



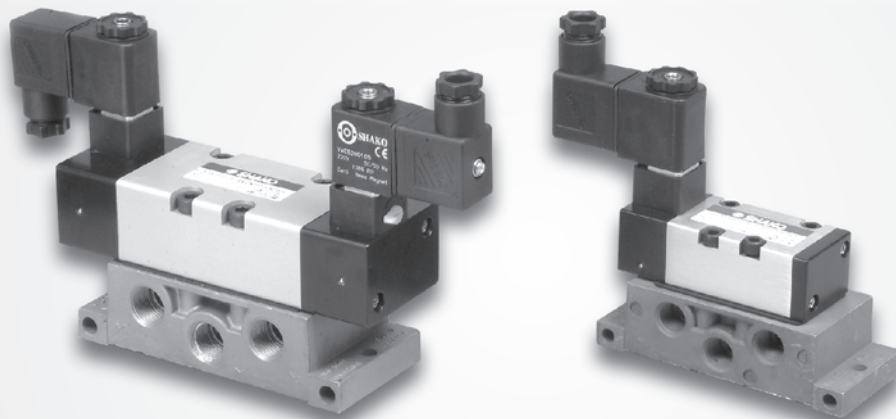
Model	A	B	P	R
SPU520-02	1/4	1/4	1/4	1/4
SPU520-03	3/8	3/8	3/8	3/8
SPU520-04	1/2	1/2	1/2	3/8

Explosion



Features

- * ISO 1, ISO 2 solenoid valve.
- * Aluminum alloy body.
- * With single sub base which is identical to ISO 1 & ISO 2 standard.
- * Ex-proof coil is available, please refer to page 7-6.



How to order

PS520	F	02	N	S	2	LED	E						
PS520 series	Sub Base		Port size		Thread	Solenoid		Voltage	LED	Coil type			
5/2 way	Blank	W/O base	02	1/4" ISO 1	Blank	PS	S	Single solenoid	1	110VAC	Blank	DIN	
	F	W/I base	03	3/8" ISO 2	N	NPT	D	Double solenoid	2	220VAC	(W/O LED)	E	Ex-proof
			04	1/2" ISO 2					9	24VDC			

How to order sub base

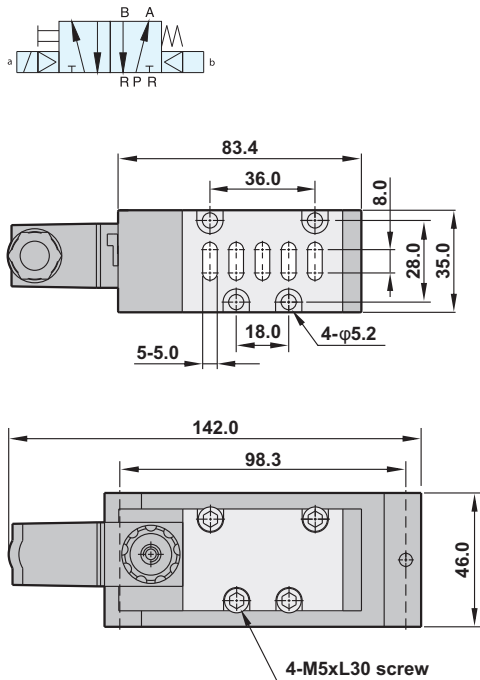
ZESF	02
PS520 series	Port size
02	1/4" ISO 1
03	3/8" ISO 2
04	1/2" ISO 2

Specifications

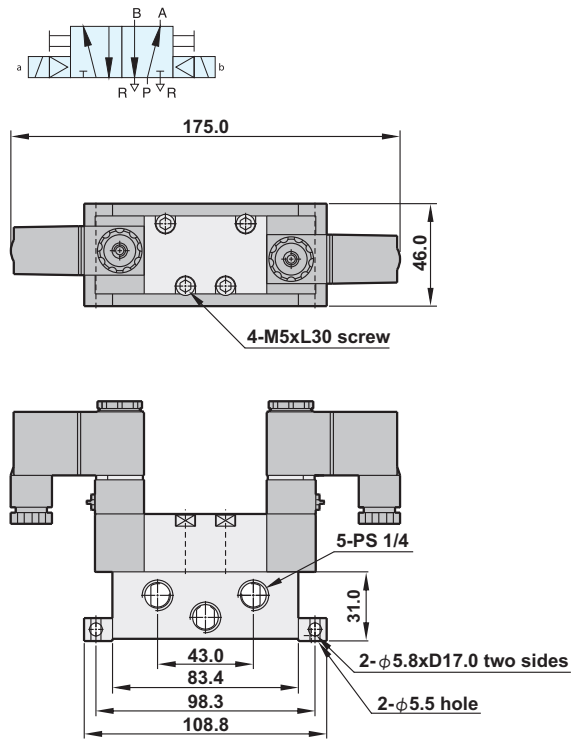
Model	PS520-02-S	PS520-02-D	PS520-03(4)-S	PS520-03(4)-D
Port size	1/4"		3/8" (1/2")	
Sectional area	29mm ²		62mm ²	
Fluid	Compressed air			
Acting	Internal pilot			
Operating pressure range	1.5 ~ 8 kgf/cm ²			
Max. operating pressure	9.99 kgf/cm ²			
Ambient temperature	-10°C ~ 60°C			
Duty cycle	100% ED			
Coil type	DIN			
Protection class	IP65 (DIN 40 050)			
Insulation class	F			
Voltage tolerance	±10%			
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)			
Net weight (W/I base)	320g (500g)	460g (640g)	700g (980g)	840g (1120g)

Dimensions

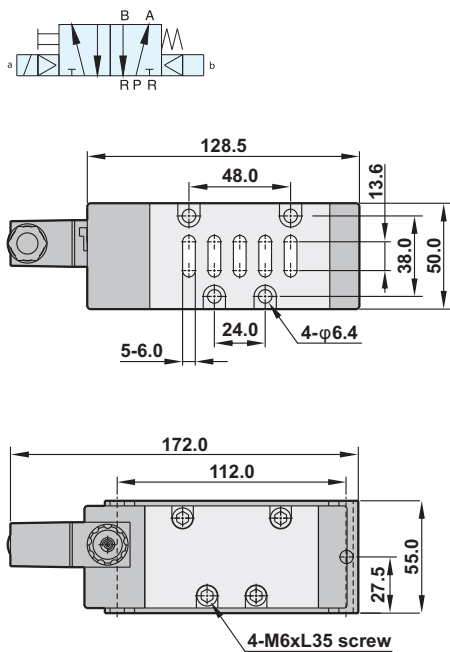
PS520F-02-S



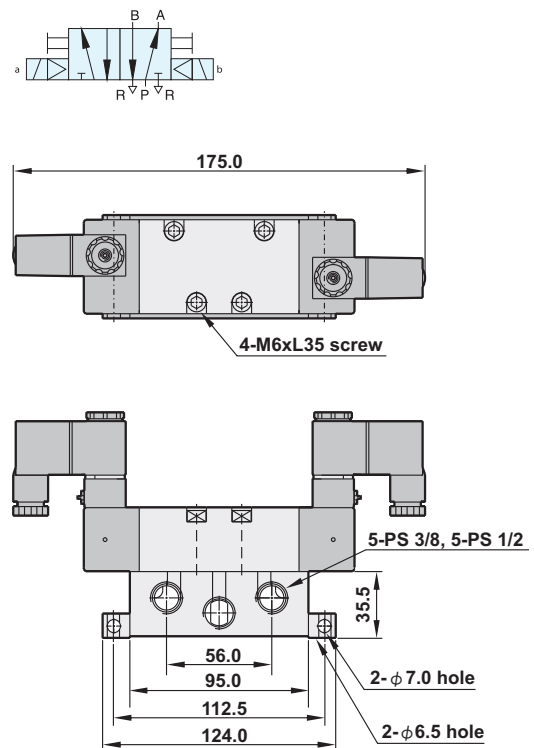
PS520F-02-D



PS520F-03(4)-S



PS520F-03(4)-D



Features

- * Medium size, large flow rate.
- * Lockable manual override for easy operation.
- * Anodized aluminum body and strict quality control provide a long durability.
- * Ex-proof coil is available, please refer to page 7-6.



How to order

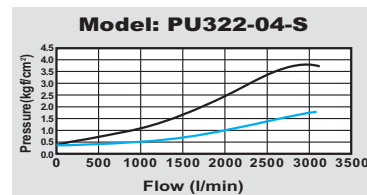
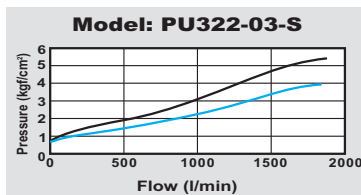
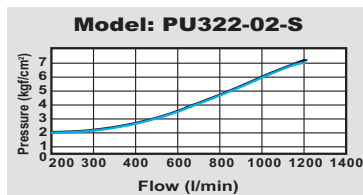
PU322
N
02
N
S
2
LED
E

PU series		Acting style		Port size		Thread		Solenoid		Voltage		LED		Coil type	
3/2 way Pilot acting		Blank	Normally closed	02	1/4"	Blank	PS	S Single solenoid		1	110VAC	Blank (W/O LED)		Blank	DIN
		N	Normally open	03	3/8"	N	NPT			2	220VAC			E	Ex-proof
				04	1/2"					9	24VDC				

Specifications

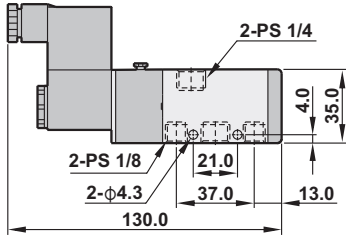
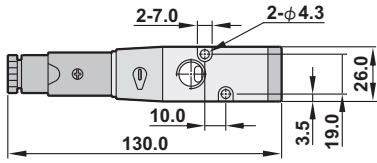
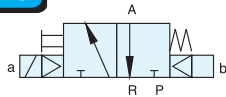
Model	PU322(N)-02-S	PU322(N)-03-S	PU322(N)-04-S
Port size	1 / 4"	3 / 8"	1 / 2"
Fluid	Compressed air		
Sectional area	18mm ²	35mm ²	70mm ²
Acting	Internal pilot		
Operating pressure range	2 ~ 8 kgf/cm ²		
Max. operating pressure	9.9 kgf/cm ²		
Ambient temperature	-10°C ~ 50°C		
Duty cycle	100% ED		
Coil type	DIN (Standard)		
Protection class	IP65 (DIN 40 050)		
Insulation class	F		
Voltage tolerance	±10%		
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)		
Net weight	280g	450g	685g

Flow chart

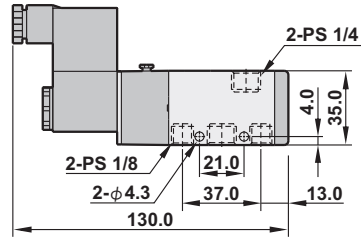
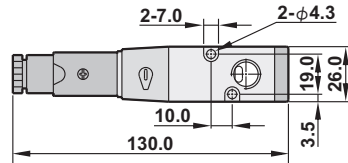
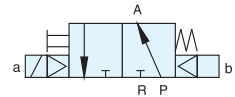


— Dimensions

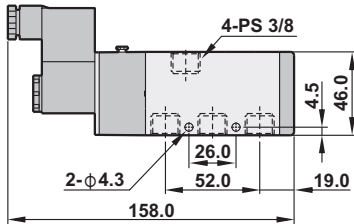
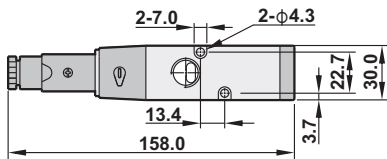
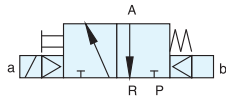
● PU322-02-S



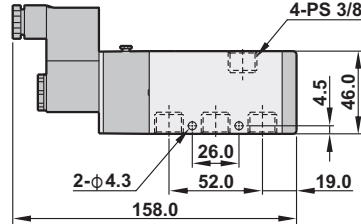
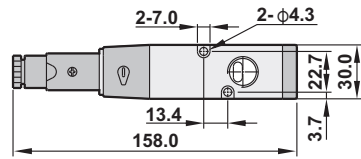
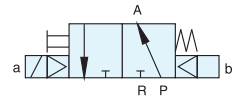
● PU322N-02-S



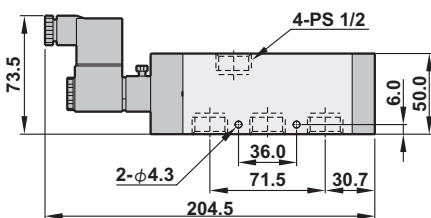
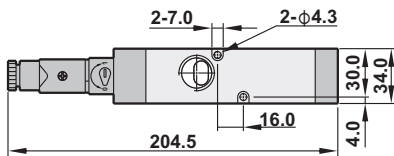
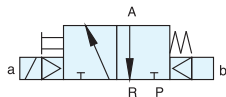
● PU322-03-S



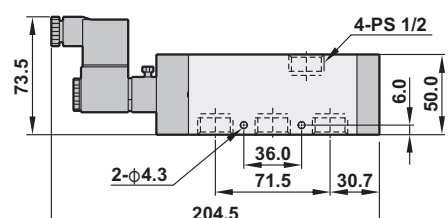
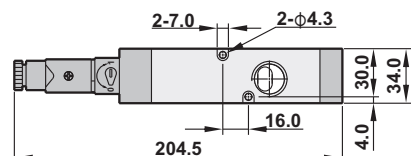
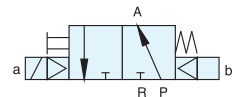
● PU322N-03-S



● PU322-04-S

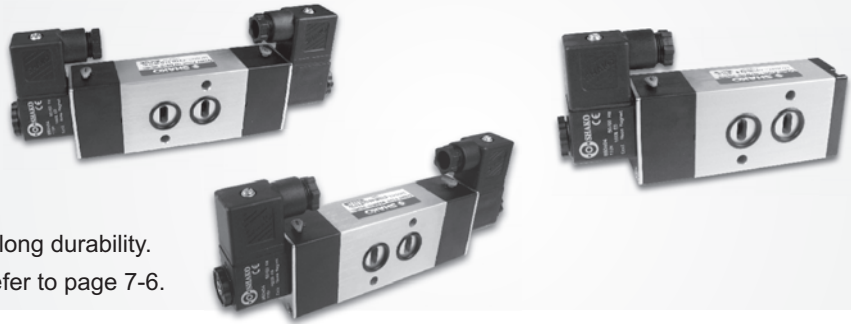


● PU322N-04-S



Features

- * Medium size, 30mm width, large flow rate.
- * Lockable manual override for easy operation.
- * Anodized aluminum body and strict quality control provide a long durability.
- * Ex-proof coil is available, please refer to page 7-6.

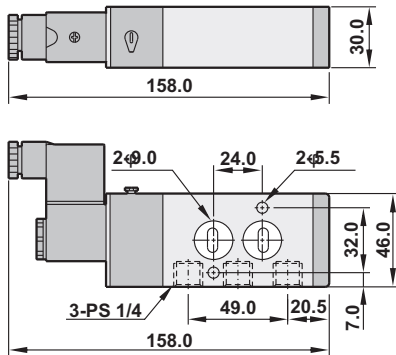


How to order

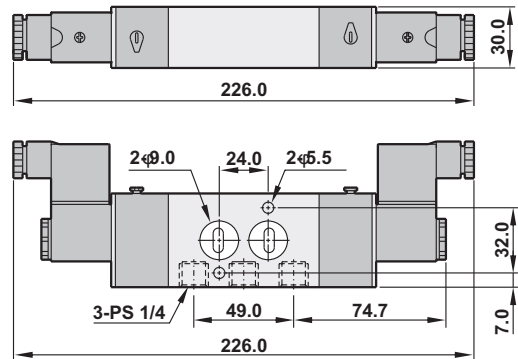
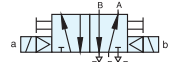
CY520		—	02		N		—	S		2		LED		E		
Namur valve		Port size		Thread		Solenoid		Voltage		LED		Coil type				
5/2 way		02	1/4"		Blank	PS	S	Single solenoid	1	110VAC	Blank (W/O LED)		Blank	DIN		
					N	NPT	D	Double solenoid	2	220VAC			E	Ex-proof		
									9	24VDC						

Dimensions

CY520-02-S



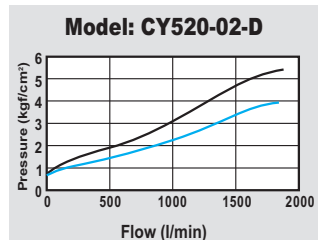
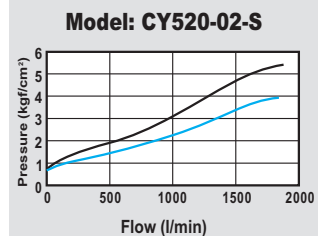
CY520-02-D



Specifications

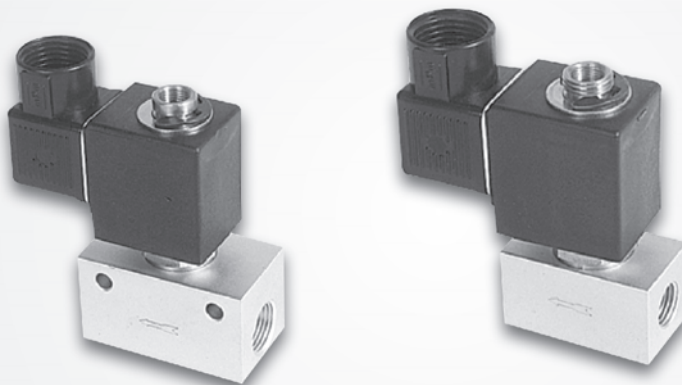
Model	CY520-02-S	CY520-02-D
Port size	1/4"	
Fluid	Compressed air	
Sectional area	35mm ²	
Acting	Internal pilot	
Operating pressure range	1.5~8 kgf/cm ²	
Max. operating pressure	9.99 kgf/cm ²	
Ambient temperature	-10°C ~ 50°C	
Duty cycle	100% ED	
Coil type	DIN (Standard)	
Protection class	IP65 (DIN 40 050)	
Insulation class	F	
Voltage tolerance	±10%	
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)	
Net weight	305g	390g

Flow chart



Features

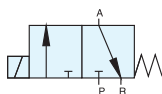
- * 3/2 way solenoid valve, direct acting for quick and sensitive response.
- * Large flow rate.
- * The valve is easy to be installed, which simplifies pipe connection.
- * Ex-proof coil is available, please refer to page 7-5.



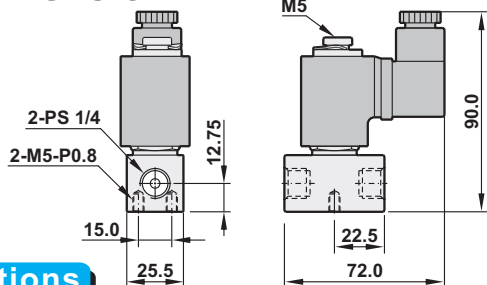
How to order

AM325	-	02		N	-	S		2		LED		E
AM valve series		Port size		Thread		Solenoid		Voltage		LED		Coil type
3/2 way		02 1/4"		Blank PS		S Single solenoid		1 110VAC		Blank (W/O LED)		Blank DIN
Direct acting		03 3/8"		N NPT				2 220VAC				E Ex-proof
								9 24VDC				

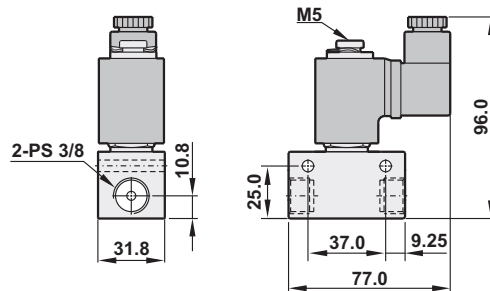
Dimensions



AM325-02



AM325-03

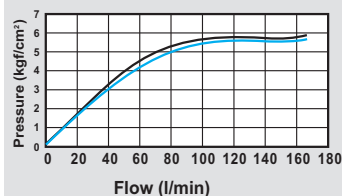


Specifications

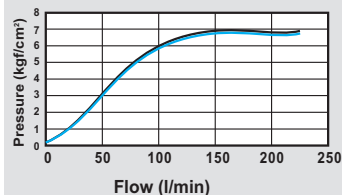
Model	AM325-02-S	AM325-03-S
Port size	1/4"	3/8"
Fluid	Compressed air	
Sectional area	3.8mm ²	4.2mm ²
Acting	Direct acting with spring return	
Operating pressure range	0 ~ 6 kgf/cm ²	
Max. operating pressure	7 kgf/cm ²	
Ambient temperature	-10°C ~ 50°C	
Duty cycle	100% ED	
Coil type	DIN	
Protection class	IP65 (DIN 40 050)	
Insulation class	F	
Voltage tolerance	±10%	
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)	
Net weight	270g	370g

Flow chart

Model: AM325-02-S



Model: AM325-03-S



Features

- * 3/2 way solenoid valve.
- The valve is easy to be stacked.
- * To stack the valve, assembly kit is necessary.
- * Assembly kit includes O-ring x 1, bolt x 2, screw x 2, nut x 2.
- * Ex-proof coil is available, please refer to page 7-6.

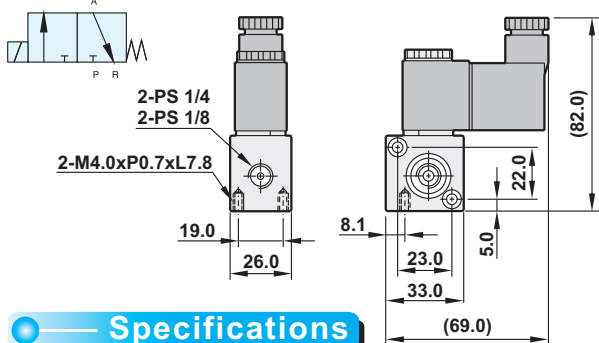


How to order

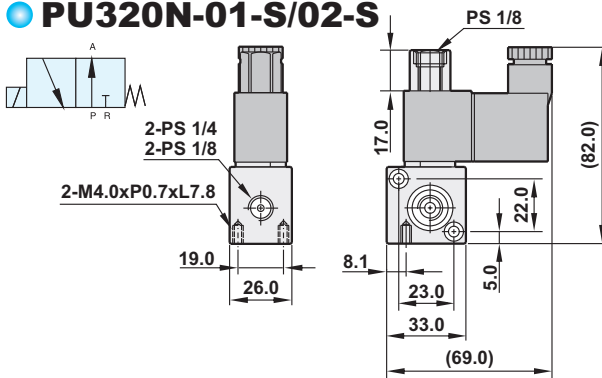
PU320	N	M02	02	- N -	S	2	LED	E						
PU valve series	Acting style		Number of stack		Port size		Thread	Solenoid	Voltage	LED	Coil type			
3/2 way	Blank	Normally closed	Blank	W/O stack	01	1/8"(Option)	Blank	PS	S	Single solenoid	1	110VAC	Blank	DIN
	N	Normally open	M02	2 valves stack	02	1/4"	N	NPT			2	220VAC	E	Ex-proof
			M03	3 valves stack							9	24VDC		
			Mxx	xx valves stack										

Dimensions

PU320-01-S/02-S



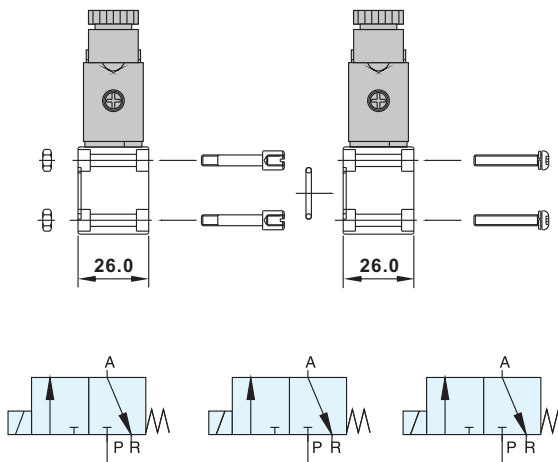
PU320N-01-S/02-S



Specifications

Model	PU320(N)-01-S	PU320(N)-02-S
Port size	1/8"	1/4"
Sectional area	1.5mm ²	
Fluid	Compressed air	
Acting	Directing acting with spring return	
Operating pressure range	0 ~ 8 kgf/cm ²	
Max. operating pressure	9.9 kgf/cm ²	
Ambient temperature	-10°C ~ 60°C	
Duty cycle	100% ED	
Coil type	DIN	
Protection class	IP65 (DIN 40 050)	
Insulation class	F	
Voltage tolerance	±10%	
Standard voltage	220VAC, 110VAC, 24VDC (The other voltage is optional)	
Net weight	180g	160g

How to stack valve



Features

- * Suitable for flammable working environments.
- * The valve is actuated by air for accurate response.



How to order

SY520
02
N
S
SY pneumatic valves series
Port size
Thread
Pneumatic control

5/2 way

02 1/4"

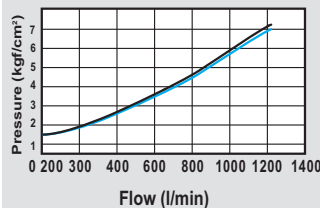
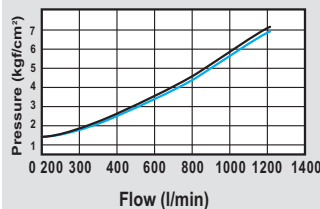
 Blank PS
N NPT

S Single pneumatic
D Double pneumatic

Specifications

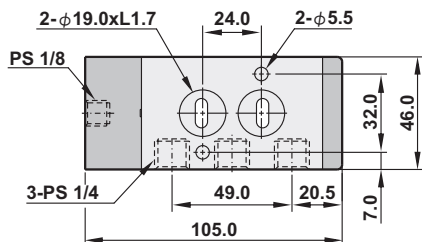
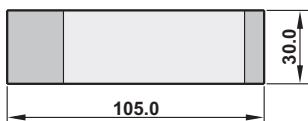
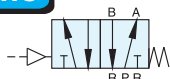
Model	SY520-02S	SY520-02D
Port size	1/4"	
Fluid	Compressed air	
Sectional area	18mm ²	
Acting	External pilot (2 ~ 8 kgf/cm ²)	
Operating pressure range	0 ~ 8 kgf/cm ²	
Max. operating pressure	9.99 kgf/cm ²	
Ambient temperature	-10°C ~ 80°C	
Net weight	305g	390g

Flow chart

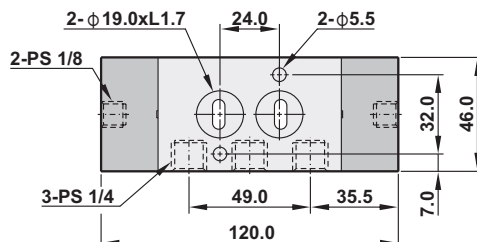
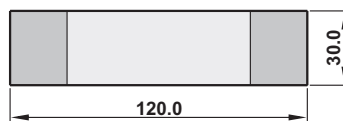
Model: SY520-02S

Model: SY520-02D


Dimensions

SY520-02S



SY520-02D



Features

- * Suitable for flammable working environments.
- * The valve is actuated by air for accurate response.

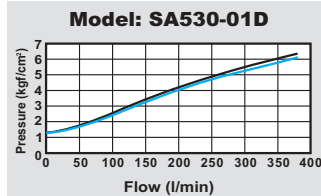
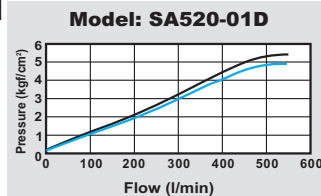
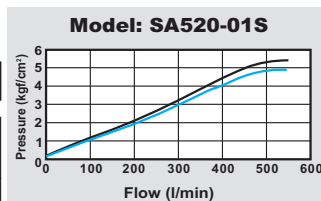


How to order

SA520
O1
N
S

SA pneumatic valves series		Port size	Thread	Pneumatic control	
52	5/2 way	01 1/8"	Blank	PS	S Single pneumatic
53	5/3 way valve is only available for double pneumatic control		N NPT		D Double pneumatic

Flow chart

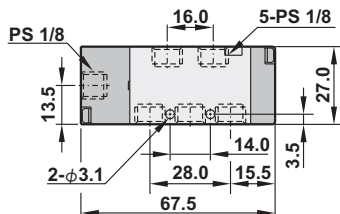
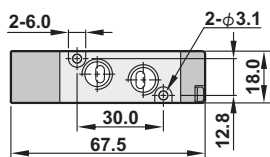


Specifications

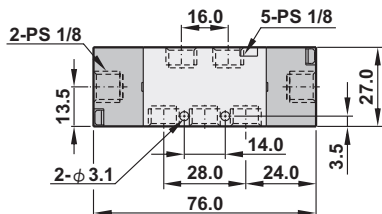
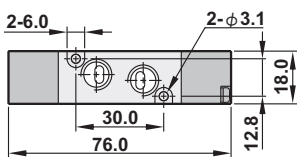
Model	SA520-01S	SA520-01D	SA530-01D
Port size	1/8"		
Sectional area	11mm ²		9mm ²
Fluid	Compressed air		
Acting	External pilot (1.5 ~ 7 kgf/cm ²)		
Operating pressure range	0 ~ 8 kgf/cm ²		
Max. operating pressure	9.99 kgf/cm ²		
Ambient temperature	-10°C ~ 80°C		
Net weight	70g	75g	110g

Dimensions

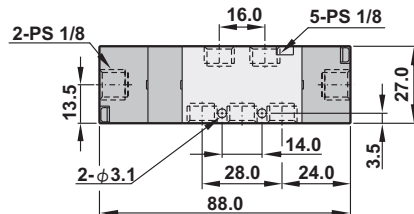
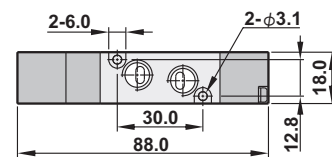
SA520-01S



SA520-01D



SA530-01D



Features

- * Suitable for flammable working environments.
- * The valve is actuated by air for accurate response.
- * The mounting position is identical to the counter product from SMC.



How to order

SB520
02
N
S
SB pneumatic valves series
Port size
02 1/4"

Thread
Blank PS
N NPT

Pneumatic control
S Single pneumatic
D Double pneumatic

5/3 way valve is only available for double pneumatic control

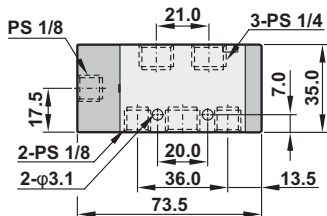
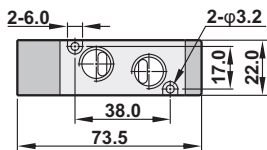
52	5/2 way
53	5/3 way

Specifications

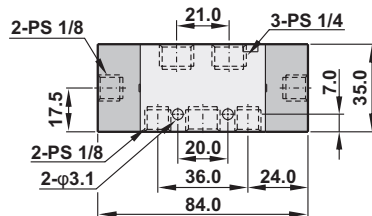
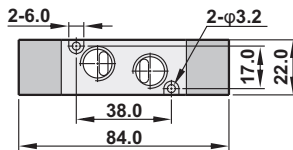
Model	SB520-02S	SB520-02D	SB530-02D
Port size	1/4"		
Sectional area	18mm ²		14mm ²
Fluid	Compressed air		
Acting	External pilot (1.5 ~ 7 kgf/cm ²)		
Operating pressure range	0 ~ 8 kgf/cm ²		0 ~ 7 kgf/cm ²
Max. operating pressure	9.99 kgf/cm ²		
Ambient temperature	-10°C ~ 80°C		
Net weight	135g	145g	220g

Dimensions

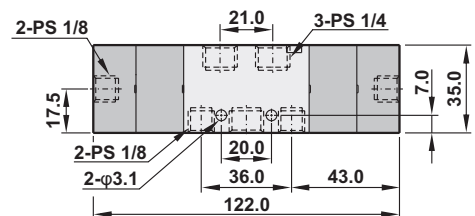
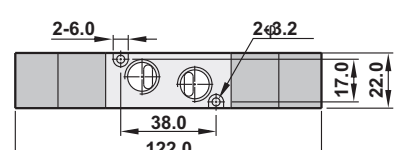
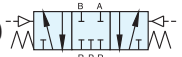
SB520-02S



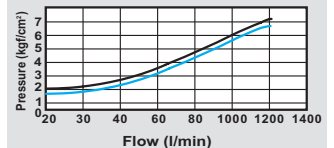
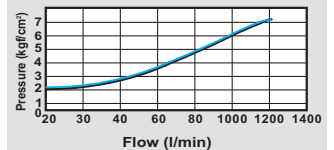
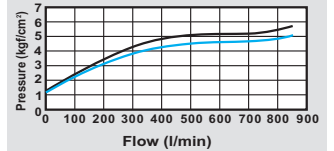
SB520-02D



SB530-02D

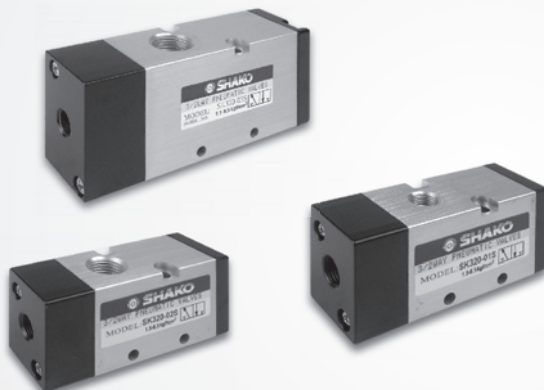


Flow chart

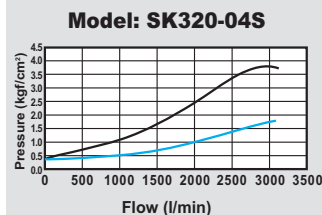
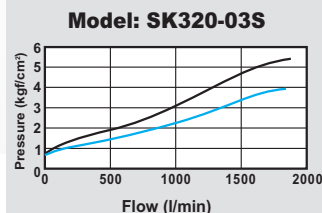
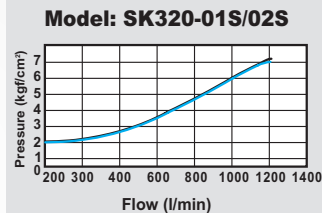
Model: SB520-02S

Model: SB520-02D

Model: SB530-02D


Features

- * Suitable for flammable working environments.
- * The valve is actuated by air for accurate response.



Flow chart



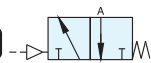
How to order

SK320	-	02	N	S														
SK pneumatic valves series		Port size	Thread	Pneumatic control														
32	3/2 way (N.C.)	<table border="1"> <tr><td>01</td><td>1/8"</td></tr> <tr><td>02</td><td>1/4"</td></tr> <tr><td>03</td><td>3/8"</td></tr> <tr><td>04</td><td>1/2"</td></tr> </table>	01	1/8"	02	1/4"	03	3/8"	04	1/2"	<table border="1"> <tr><td>Blank</td><td>PS</td></tr> <tr><td>N</td><td>NPT</td></tr> </table>	Blank	PS	N	NPT	<table border="1"> <tr><td>S</td><td>Single pneumatic</td></tr> </table>	S	Single pneumatic
01	1/8"																	
02	1/4"																	
03	3/8"																	
04	1/2"																	
Blank	PS																	
N	NPT																	
S	Single pneumatic																	

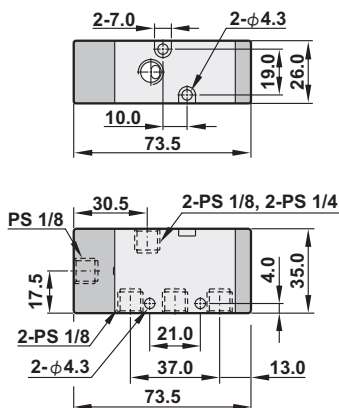
Specifications

Model	SK320-01S	SK320-02S	SK320-03S	SK320-04S
Port size	1/8"	1/4"	3/8"	1/2"
Sectional area	14mm ²	18mm ²	35mm ²	70mm ²
Fluid	Compressed air			
Acting	External pilot (1.5 ~ 7 kgf/cm ²)			
Operating pressure range	0 ~ 8 kgf/cm ²		0 ~ 8 kgf/cm ²	
Max. operating pressure	9.9 kgf/cm ²			
Ambient temperature	-10°C ~ 80°C			
Net weight	180g		375g	595g

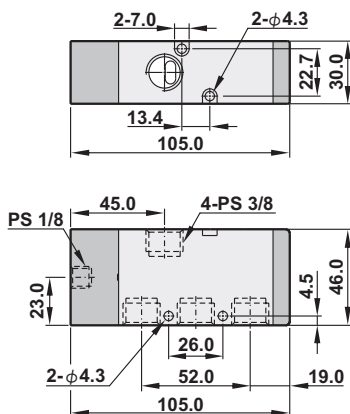
Dimensions



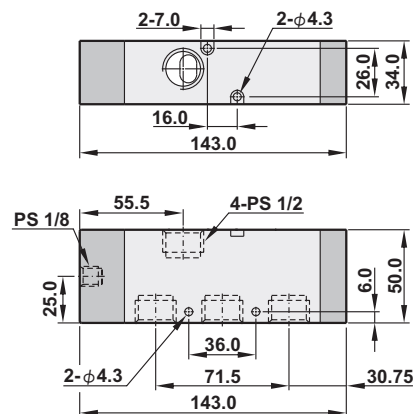
SK320-01S/02S



SK320-03S



SK320-04S



Features

- * Suitable for flammable working environments.
- * The valve is actuated by air for accurate response.



How to order

SK520 -

02

N

S

SK pneumatic valves series

Port size

Thread

Pneumatic control

52	5/2 way
53	5/3 way

01	1/8"
02	1/4"
03	3/8"
04	1/2"

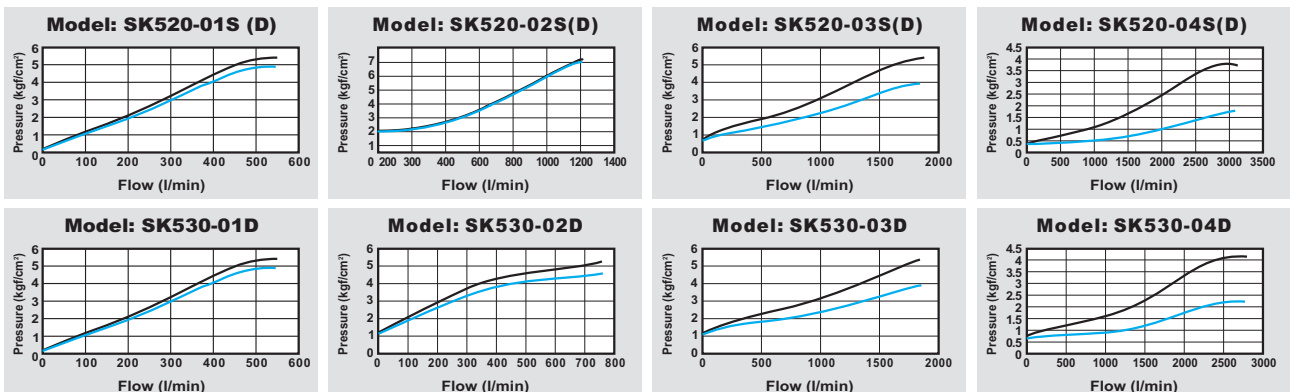
Blank	PS
N	NPT

S	Single pneumatic
D	Double pneumatic
5/3 way valve is only available for double pneumatic control	

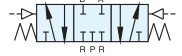
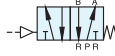
Specifications

Model	SK520-01S(D)	SK530-01D	SK520-02S(D)	SK530-02D	SK520-03S(D)	SK530-03D	SK520-04S(D)	SK530-04D
Port size	1/8"		1/4"		3/8"		1/2"	
Fluid	Compressed air							
Sectional area	18mm ²	14mm ²	18mm ²	14mm ²	35mm ²	32mm ²	70mm ²	54mm ²
Acting	External pilot (1.5 ~ 7 kgf/cm ²)							
Operating pressure range	0~8kgf/cm ²	0~7kgf/cm ²	0~8kgf/cm ²	0~7kgf/cm ²	0~8kgf/cm ²	0~7kgf/cm ²	0~8kgf/cm ²	0~7kgf/cm ²
Max. operating pressure	9.9 kgf/cm ²							
Ambient temperature	-10°C ~ 80°C							
Net weight	170g/180g	310g	170g/180g	310g	370g/400g	585g	565g/605g	865g

Flow chart



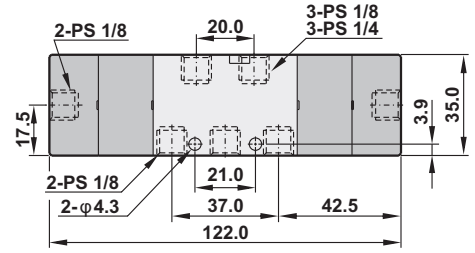
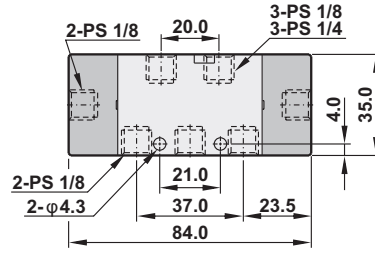
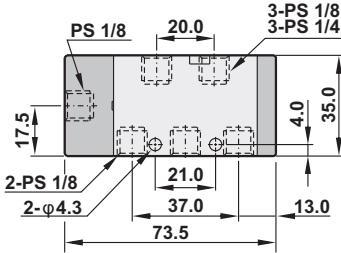
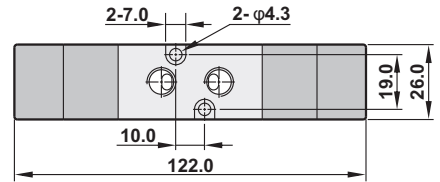
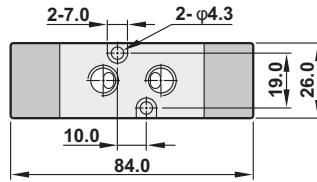
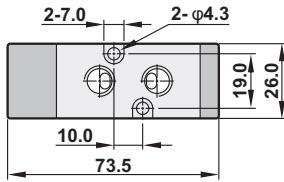
Dimensions



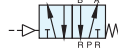
SK520-01S/02S

SK520-01D/02D

SK530-01D/02D



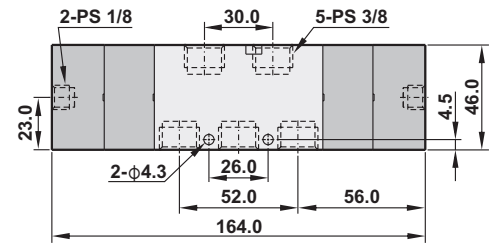
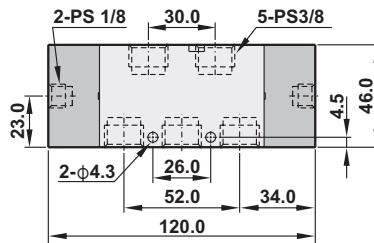
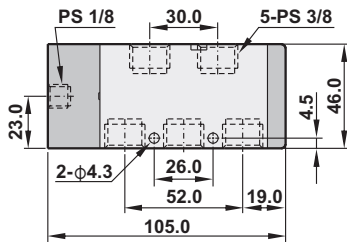
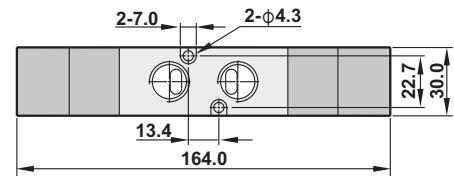
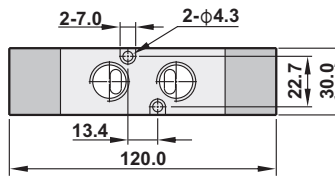
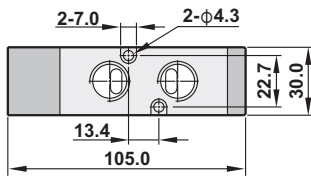
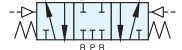
SK520-03S



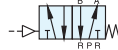
SK520-03D



SK530-03D



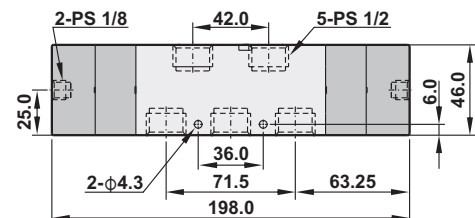
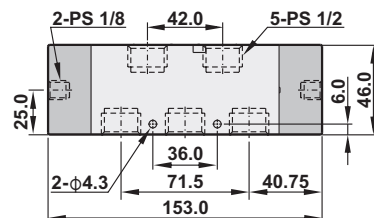
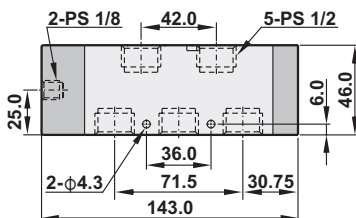
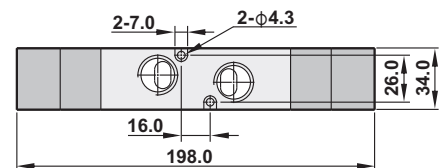
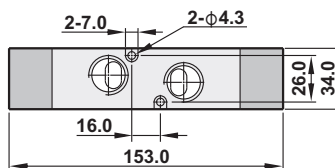
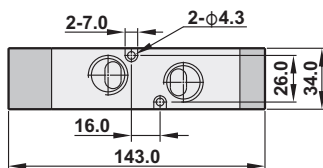
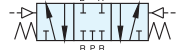
SK520-04S



SK520-04D



SK530-04D



SOLENOID VALVES