

UVSC-180 Solenoid Valve

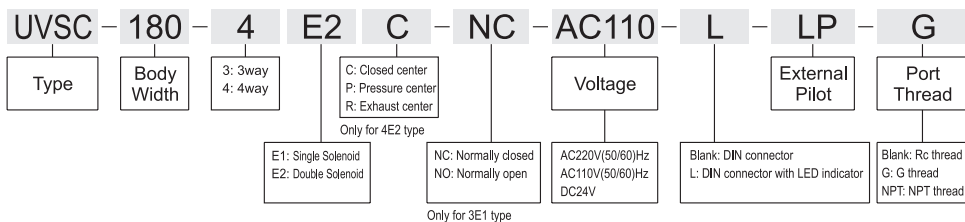
Specification

Model	3E1	3E2	4E1	4E2	4E2C.P.R
Bore No.	6A				
Port size	PT(Rc) 1/8				
No. of port	3		5		
No. of position	2			3	
Medium	Air				
Operating pressure range	0.15~0.8 MPa				0.2~0.7 MPa
Operating pressure (LP)	0~0.8 MPa				0~0.7 MPa
External pilot pressure (LP)	0.15~0.8 MPa				0.2~0.7 MPa
Proof pressure	1 MPa				
Effective orifice	12 mm ²				9 mm ²
Ambient temperature	- 5~ + 50°C (No freezing)				
Response time	30 ms				
Voltage	AC110V, 220V (50/60)Hz, DC24V				
Power consumption	AC=3.7/ 3.1VA DC=2.9W				
Available voltage range	± 10%				
Insulation class	F class				
Weight (g)	120	172	124	176	190

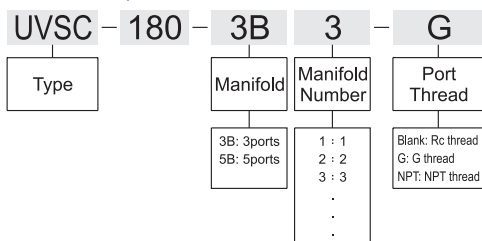


How to order

Order example of valve:

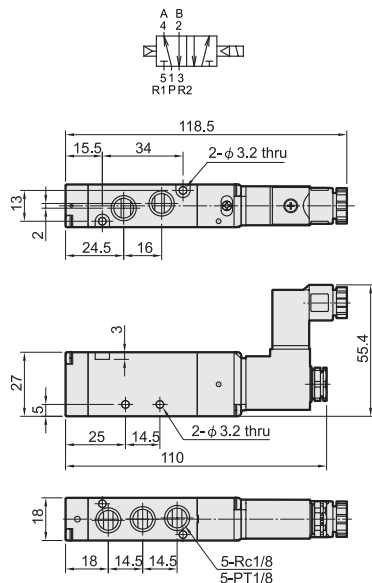


Order example of manifold:

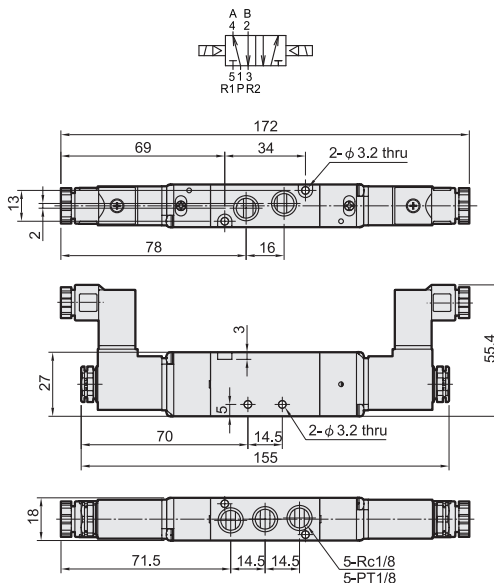


Dimensional features

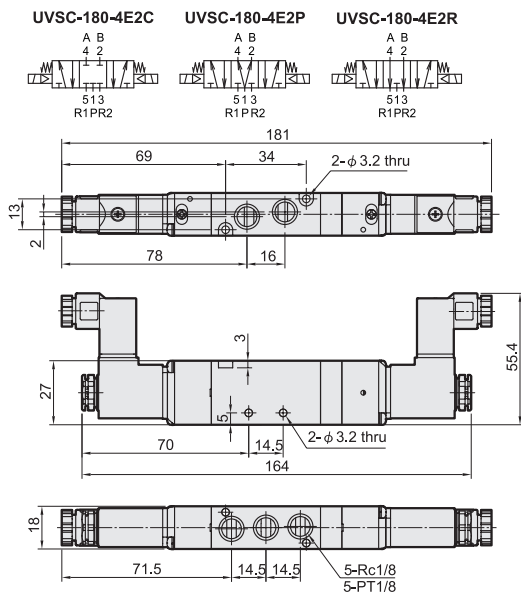
● UVSC-180-4E1



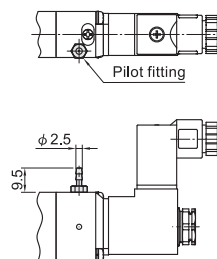
● UVSC-180-4E2



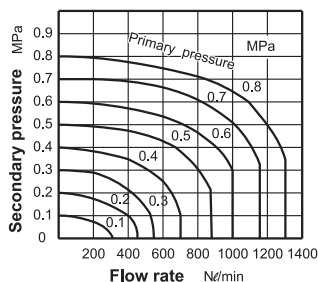
● UVSC-180-4E2C.P.R



● UVSC-180_LP



Flow features:



UVSC

UACP

UAFR

UAR

ADV

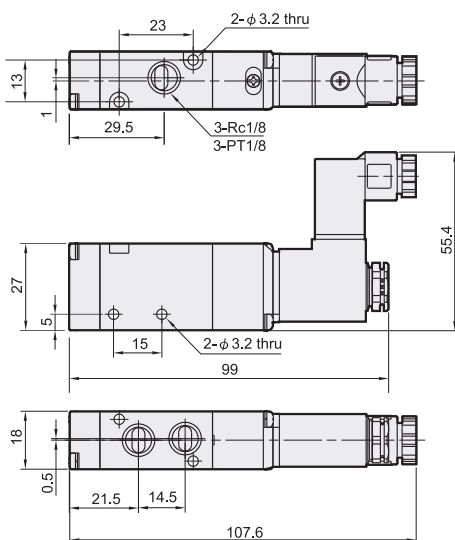
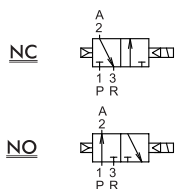
FMRF

MP

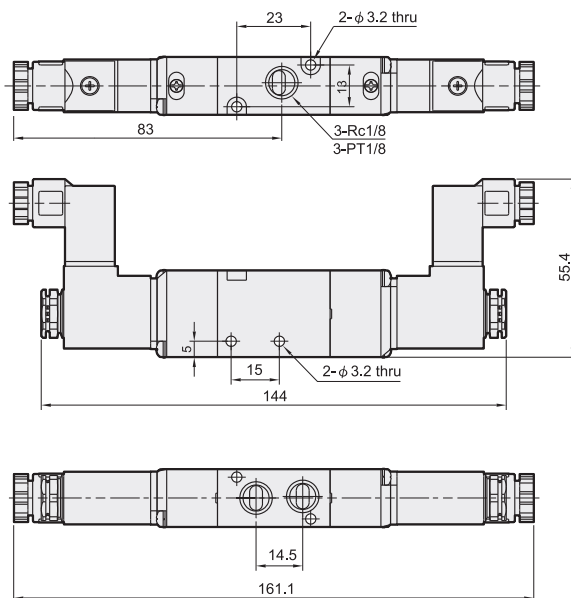
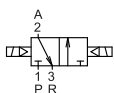
PG

Dimensional features

● UVSC-180-3E1-NC/NO



● UVSC-180-3E2

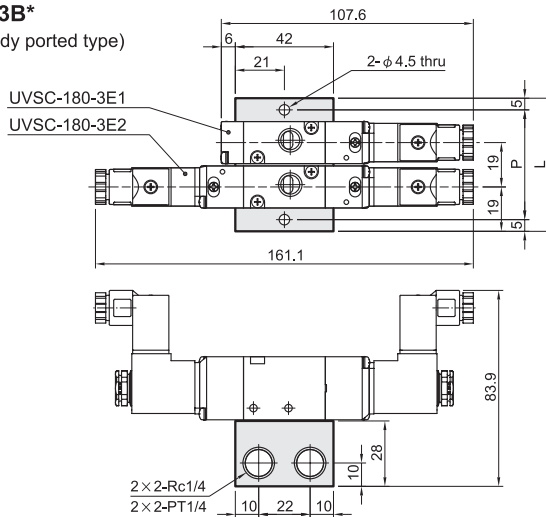


UVSC-180 Solenoid Valve

Manifold of solenoid valve

● UVSC-180-3B*

3 ports (for body ported type)



No. of stations	P	L
2	47	57
3	66	76
4	85	95
5	104	114
6	123	133
7	142	152
8	161	171
9	180	190
10	199	209

UVSC

UACP

UAFR

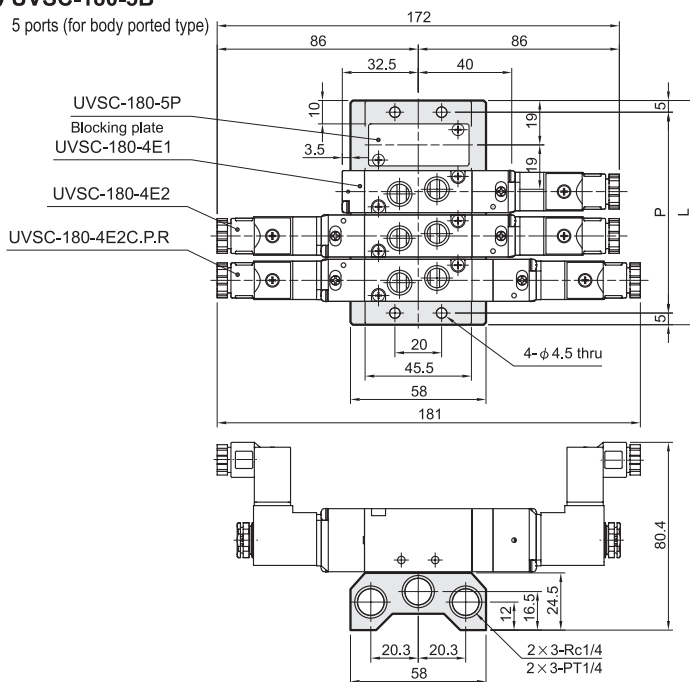
UAR

ADV
FMRF

MP
PG

● UVSC-180-5B*

5 ports (for body ported type)



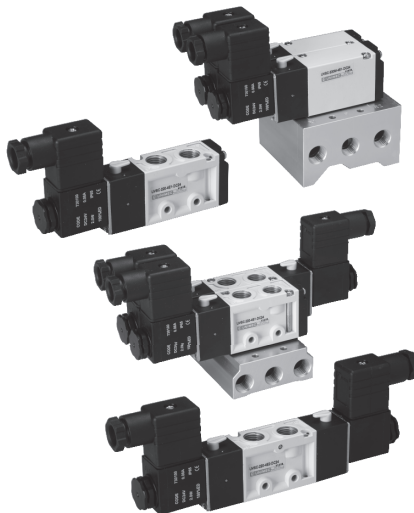
No. of stations	P	L
2	47	57
3	66	76
4	85	95
5	104	114
6	123	133
7	142	152
8	161	171
9	180	190
10	199	209

UVSC-220 Solenoid Valve



Specification

Model	3E1	3E2	4E1	4E2	4E2C.P.R
Bore No.	8A				
Port size	PT(Rc) 1/4				
No. of port	3		5		
No. of position	2			3	
Medium	Air				
Operating pressure range	0.2~0.7 MPa			0.3~0.7 MPa	
Operating pressure (LP)	0~0.7 MPa				
External pilot pressure (LP)	0.2~0.7 MPa			0.3~0.7 MPa	
Proof pressure	1 MPa				
Effective orifice	18 mm ²			16 mm ²	
Ambient temperature	-5~+50℃ (No freezing)				
Response time	30 ms			40 ms	
Voltage	AC110V, 220V (50/60)Hz, DC24V				
Power consumption	AC=6/ 4.9VA DC=2.5W				
Available voltage range	±10%				
Insulation class	F class				
Weight (g)	203	296	184	292	338



How to order

Order example of valve:

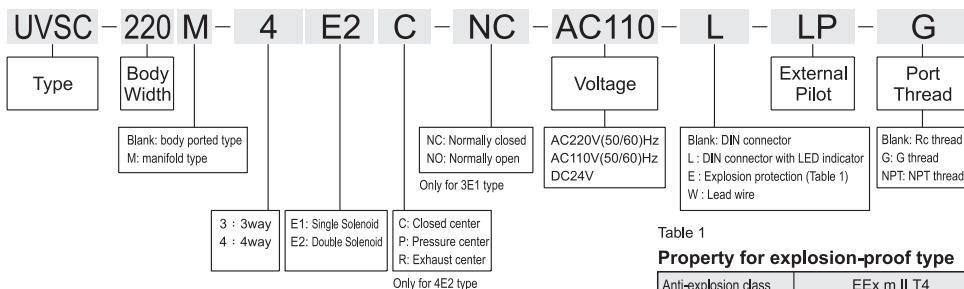
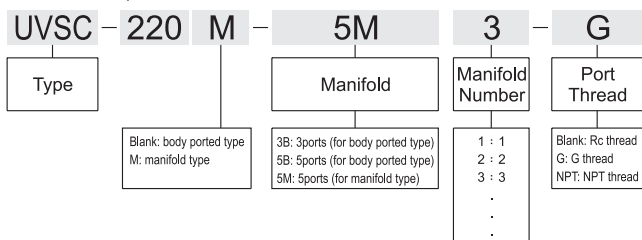


Table 1

Property for explosion-proof type

Anti-explosion class	EEx m II T4
Voltage	AC110V, 220V, (50/60)Hz, DC24V
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class

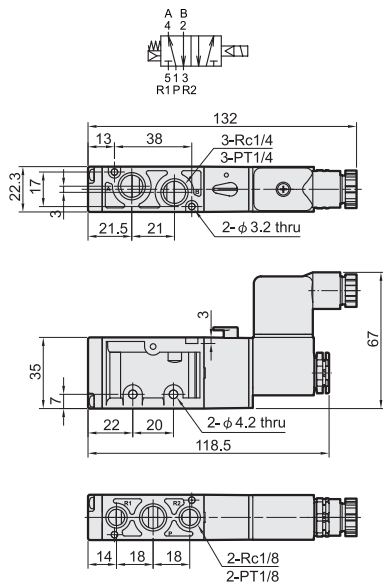
Order example of manifold:



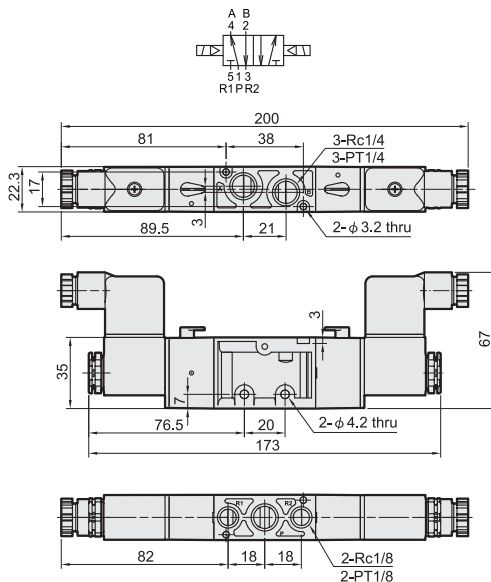
UVSC-220 Solenoid Valve

Dimensional features

● UVSC-220-4E1



● UVSC-220-4E2



UVSC

UACP

UAFR

UAR

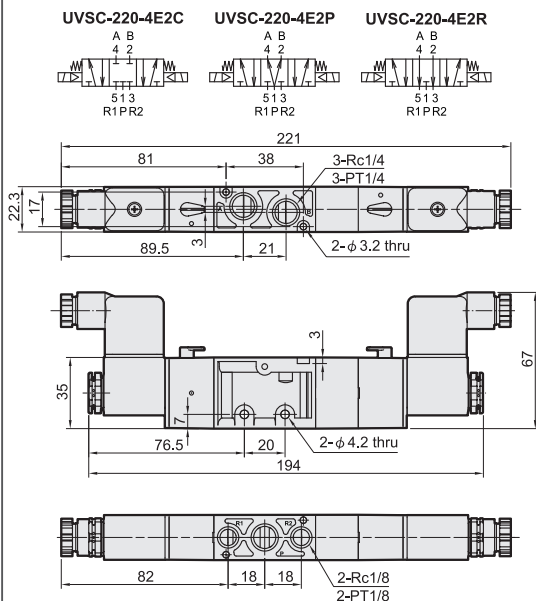
ADV

FMRF

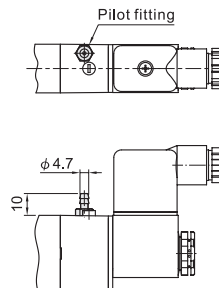
MP

PG

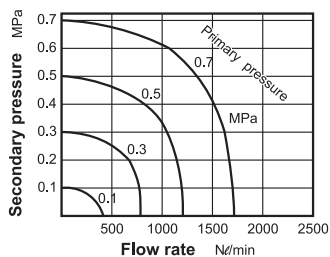
● UVSC-220-4E2C.P.R



● UVSC-220_LP



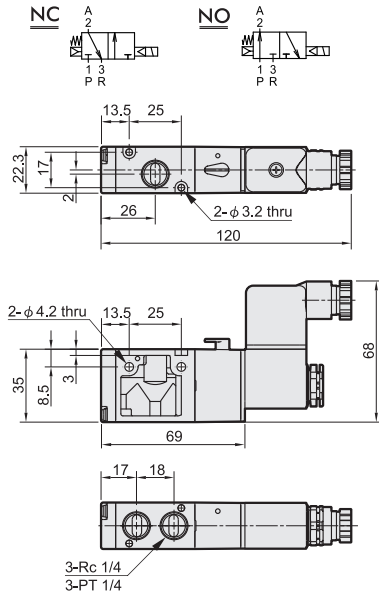
Flow features:



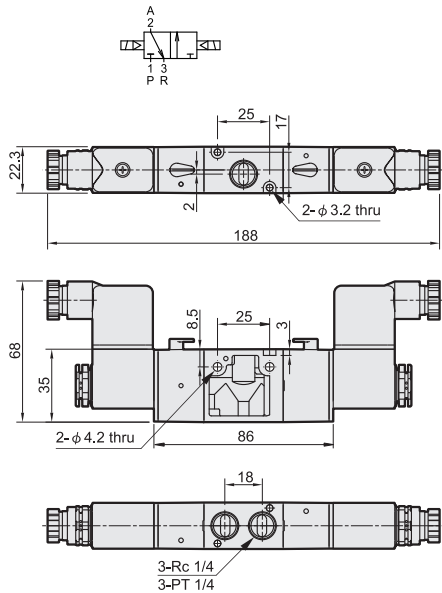
UVSC-220 Solenoid Valve

Dimensional features

● UVSC-220-3E1-NC/NO



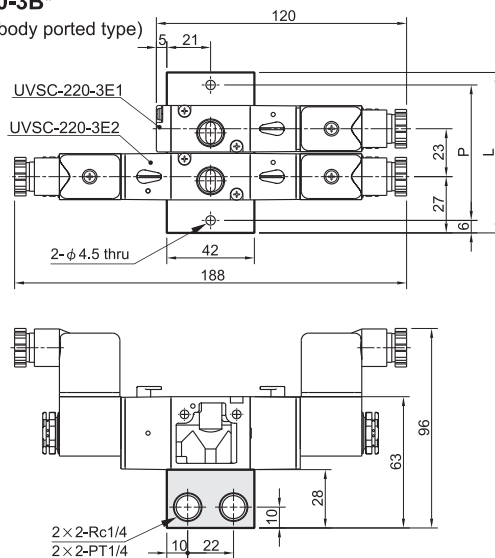
● UVSC-220-3E2



Manifold of solenoid valve

● UVSC-220-3B*

3 ports (for body ported type)



No. of stations	P	L
2	65	77
3	88	100
4	111	123
5	134	146
6	157	169
7	180	192
8	203	215
9	226	238
10	249	261

● **UVSC-220-5B***

Technical drawing of the UVSC-220-4E2C.P.R. assembly, showing top and side views with dimensions and labels.

Top View Dimensions:

- Overall width: 200
- Overall height: 221
- Top section width: 100
- Bottom section width: 60
- Central section width: 50
- Top section height: 23
- Bottom section height: 6
- Central section height: 23
- Top section thickness: 2
- Bottom section thickness: 6
- Central section thickness: 21
- Bottom section thickness: 21
- Bottom section thickness: 50
- Bottom section thickness: 60
- Bottom section thickness: 221
- Bottom section thickness: 21
- Bottom section thickness: 50
- Bottom section thickness: 60
- Bottom section thickness: 221

Side View Dimensions:

- Overall height: 92.5
- Top section height: 60.5
- Bottom section height: 25
- Bottom section height: 10
- Bottom section width: 21.5
- Bottom section width: 21.5
- Bottom section width: 60
- Bottom section width: 21.5
- Bottom section width: 21.5
- Bottom section width: 60

Labels:

- UVSC-220-4E1
- UVSC-220-4E2
- UVSC-220-4E2C.P.R.
- UVSC-220-5P
- Blocking plate
- 2 × 2-φ 4.5 thru
- 2 × 3-Rc1/4
- 2 × 3-PT1/4

No. of stations	P	L
2	57	69
3	80	92
4	103	115
5	126	138
6	149	161
7	172	184
8	195	207
9	218	230
10	241	253

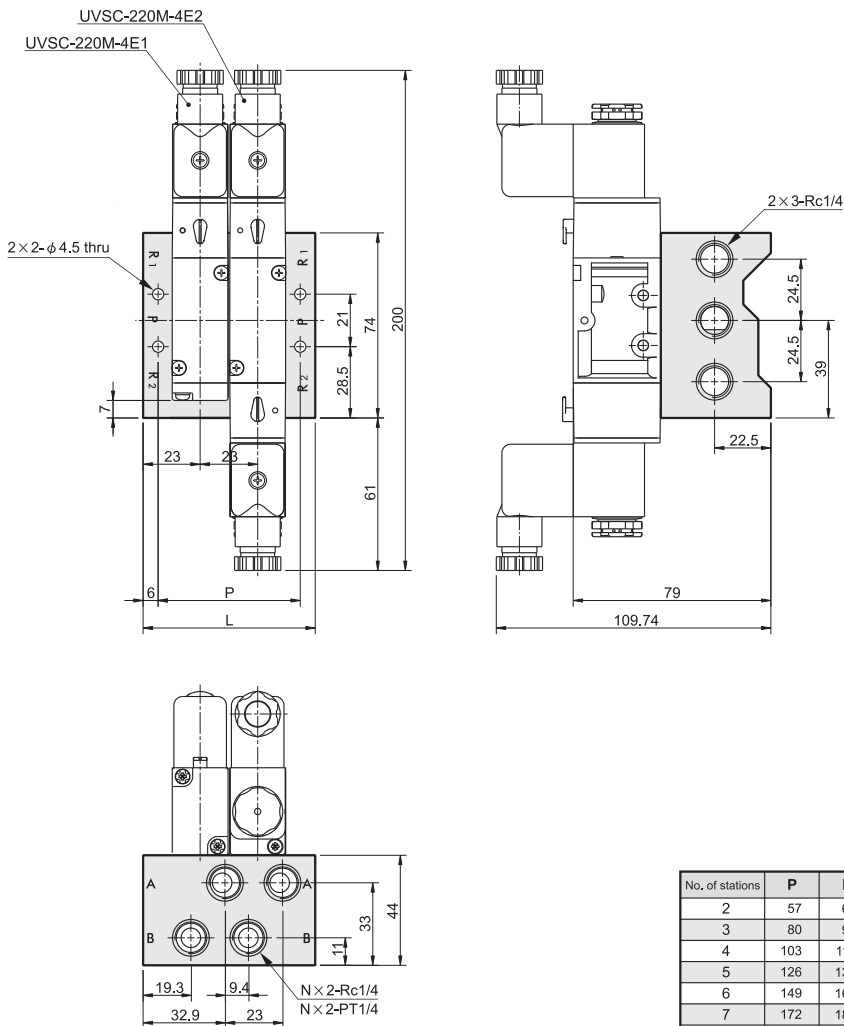
MP
PG

UVSC-220 Solenoid Valve

Dimensional features

● UVSC-220-5M*

5 ports (for manifold type)



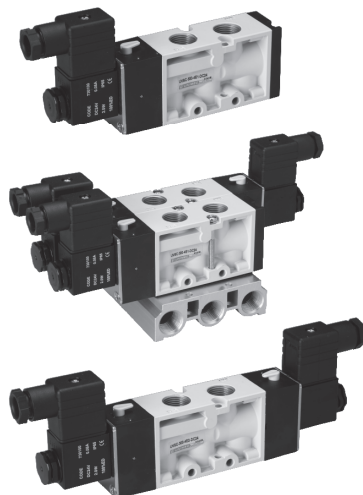
No. of stations	P	L
2	57	69
3	80	92
4	103	115
5	126	138
6	149	161
7	172	184
8	195	207
9	218	230
10	241	253

UVSC-300 Solenoid Valve



Specification

Model	3E1	3E2	4E1	4E2	4E2C.P.R
Bore No.	10A				
Port size	PT(Rc) 3/8				
No. of port	3		5		
No. of position	2			3	
Medium	Air				
Operating pressure range	0.2~0.7 MPa				0.3~0.7 MPa
Operating pressure (LP)	0~0.7 MPa				
External pilot pressure (LP)	0.2~0.7 MPa				0.3~0.7 MPa
Proof pressure	1 MPa				
Effective orifice	35 mm ²				25 mm ²
Ambient temperature	- 5~+ 50℃ (No freezing)				
Response time	50 ms				
Voltage	AC110V, 220V (50/60)Hz, DC24V				
Power consumption	AC=6/ 4.9VA DC=2.5W				
Available voltage range	± 10%				
Insulation class	F class				
Weight (g)	350	439	293	387	565



UVSC

UACP

UAFR

UAR

ADV
FMRF

MP
PG

How to order

Order example of valve:

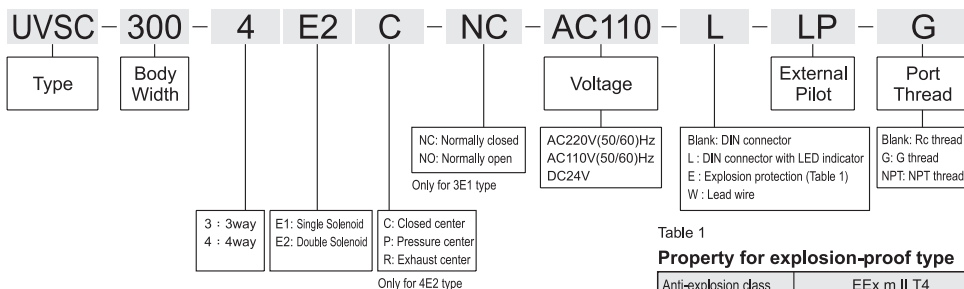
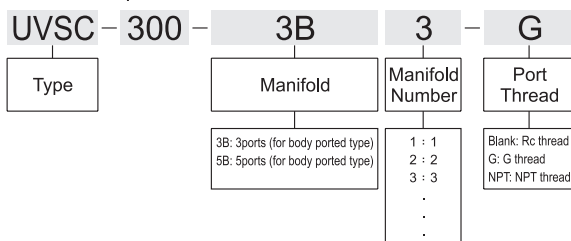


Table 1

Property for explosion-proof type

Anti-explosion class	EEx m II T4
Voltage	AC110V, 220V, (50/60)Hz, DC24V
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class

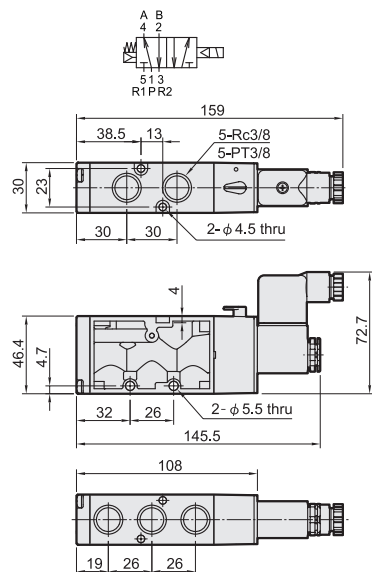
Order example of manifold:



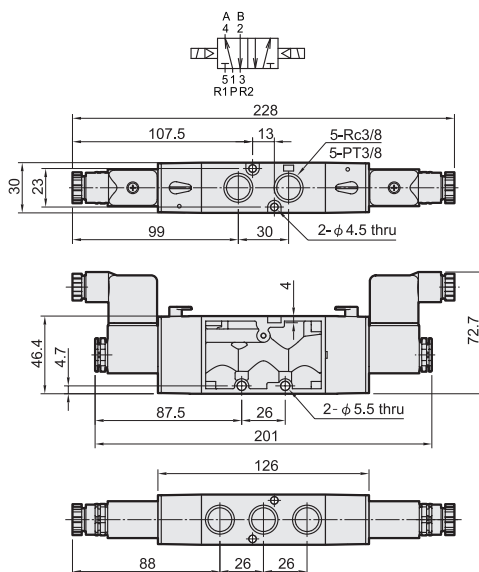
UVSC-300 Solenoid Valve

Dimensional features

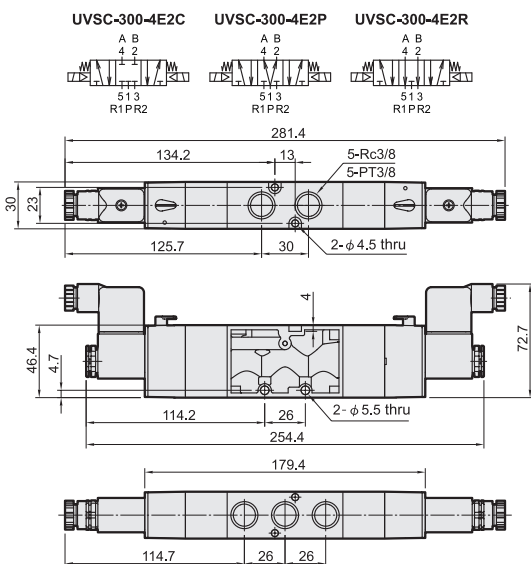
● UVSC-300-4E1



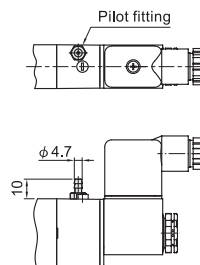
● UVSC-300-4E2



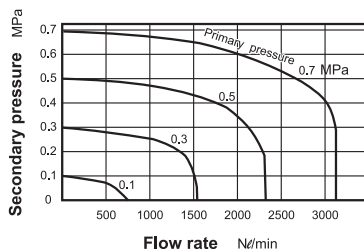
● UVSC-300-4E2C.P.R



● UVSC-300_LP



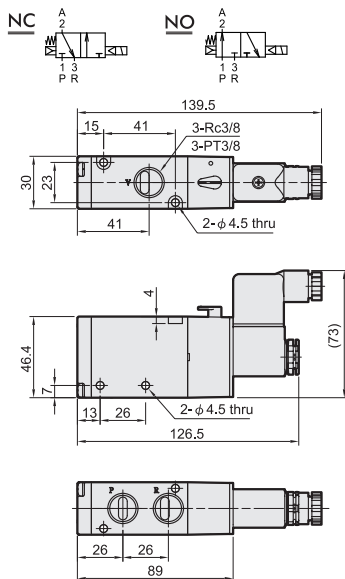
Flow features:



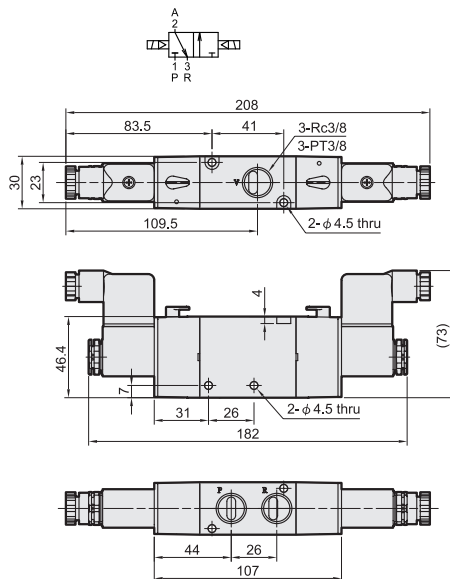
UVSC-300 Solenoid Valve

Dimensional features

● UVSC-300-3E1-NC/NO



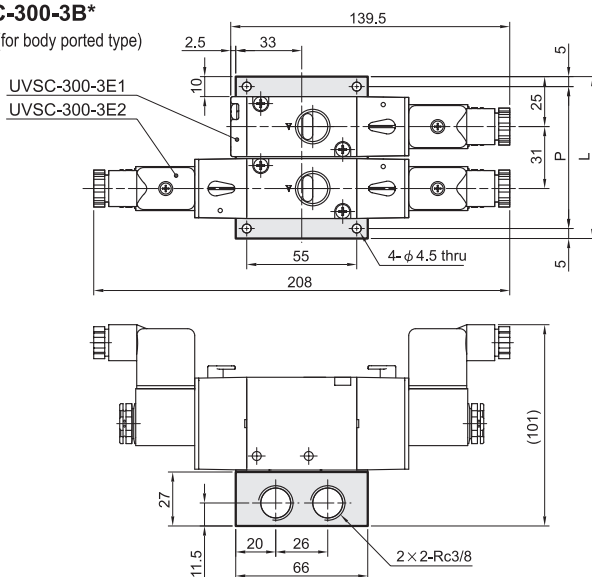
● UVSC-300-3E2



Manifold of solenoid valve

● UVSC-300-3B*

3 ports (for body ported type)



No. of stations	P	L
2	71	81
3	102	112
4	133	143
5	164	174
6	195	205
7	226	236
8	257	267
9	288	298
10	319	329

UVSC

UACP

UAFR

UAR

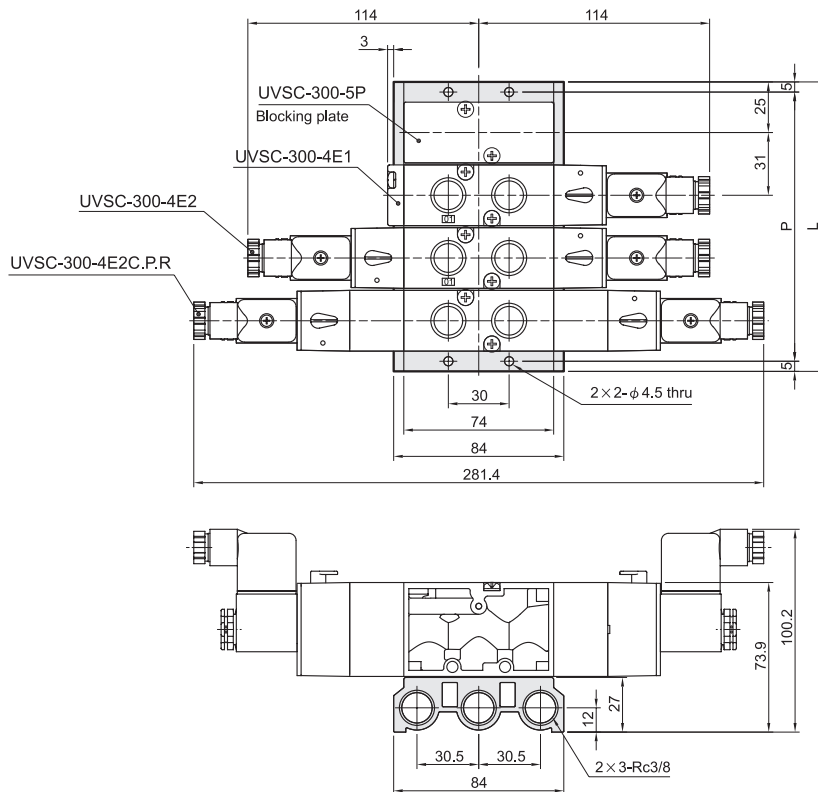
ADV
FMRF

MP
PG

Dimensional features

● UVSC-300-5B*

5 ports (for body ported type)



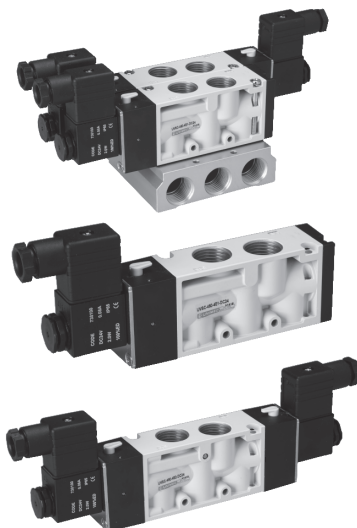
No. of stations	P	L
2	71	81
3	102	112
4	133	143
5	164	174
6	195	205
7	226	236
8	257	267
9	288	298
10	319	329

UVSC-460 Solenoid Valve



Specification

Model	3E1	3E2	4E1	4E2	4E2C.P.R
Bore No.	15A				
Port size	G 1/2				
No. of port	3		5		
No. of position	2			3	
Medium	Air				
Operating pressure range	0.2~0.7 MPa			0.3~0.7 MPa	
Operating pressure (LP)	0~0.7 MPa				
External pilot pressure (LP)	0.2~0.7 MPa			0.3~0.7 MPa	
Proof pressure	1 MPa				
Effective orifice	50 mm ²			30 mm ²	
Ambient temperature	- 5~+ 50℃ (No freezing)				
Response time	50 ms				
Voltage	AC110V, 220V (50/60)Hz, DC24V				
Power consumption	AC=6/ 4.9VA DC=2.5W				
Available voltage range	± 10%				
Insulation class	F class				
Weight (g)	353	437	330	452	634
Weight (Explosion) (g)	—		570	925	1106



UVSC

UACP

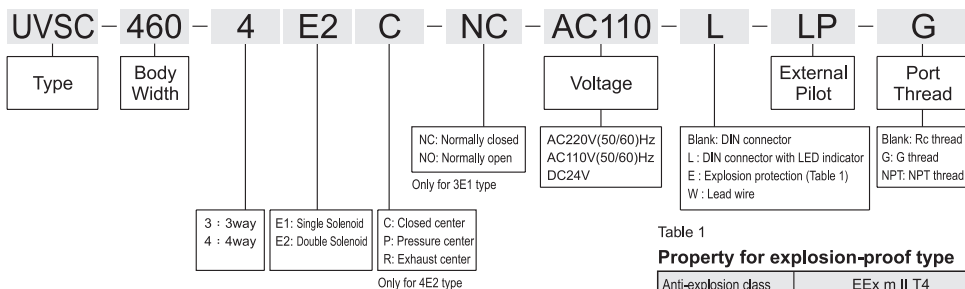
UAFR

UAR

ADV
FMRFMP
PG

How to order

Order example of valve:



Order example of manifold:

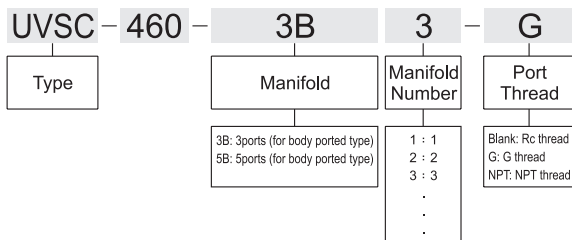


Table 1

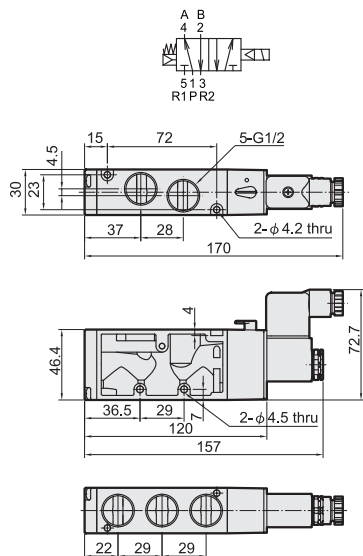
Property for explosion-proof type

Anti-explosion class	EEx m II T4
Voltage	AC110V, 220V, (50/60)Hz, DC24V.
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class

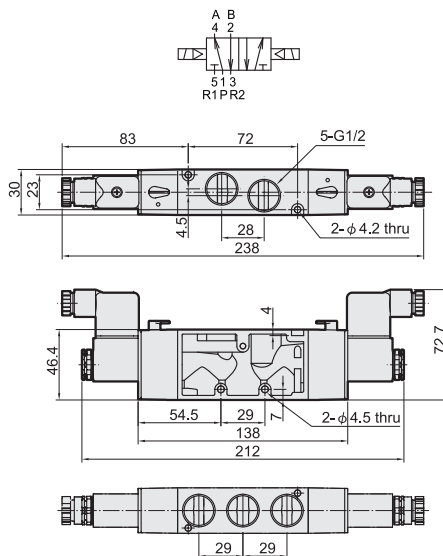
UVSC-460 Solenoid Valve

Dimensional features

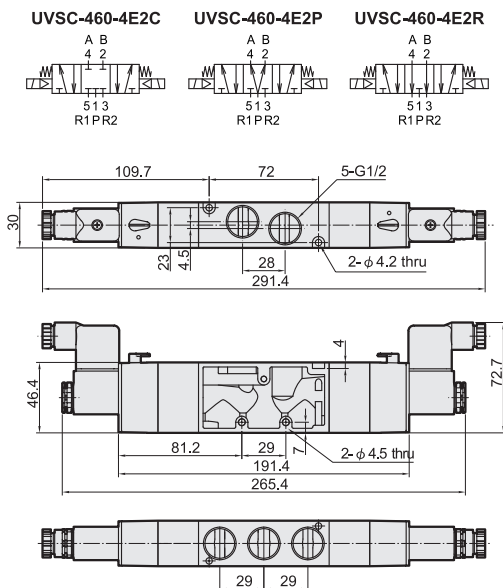
● UVSC-460-4E1



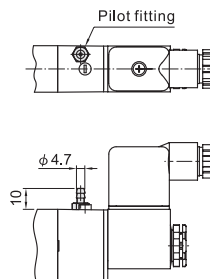
● UVSC-460-4E2



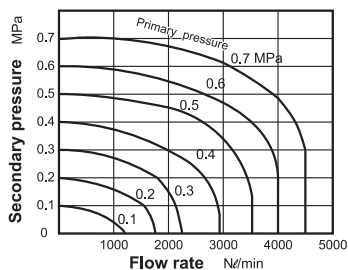
● UVSC-460-4E2C.P.R



● UVSC-460_LP



Flow features:

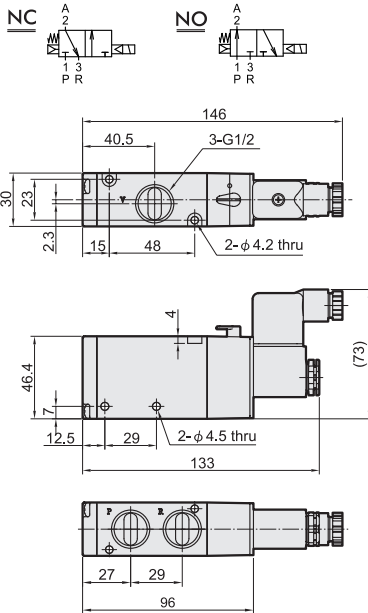


UVSC-460 Solenoid Valve

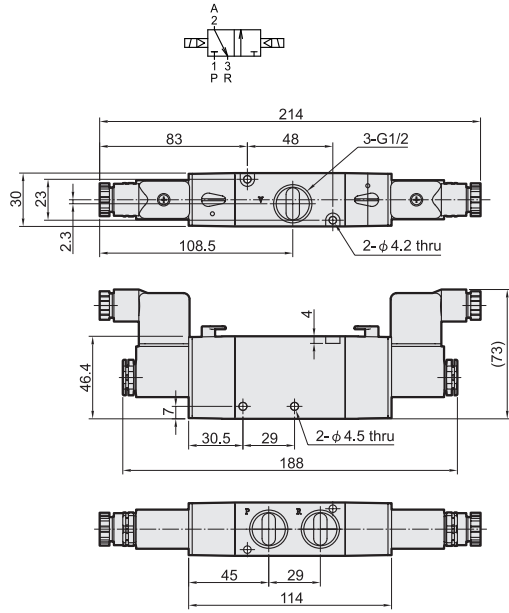


Dimensional features

● UVSC-460-3E1-NC/NO



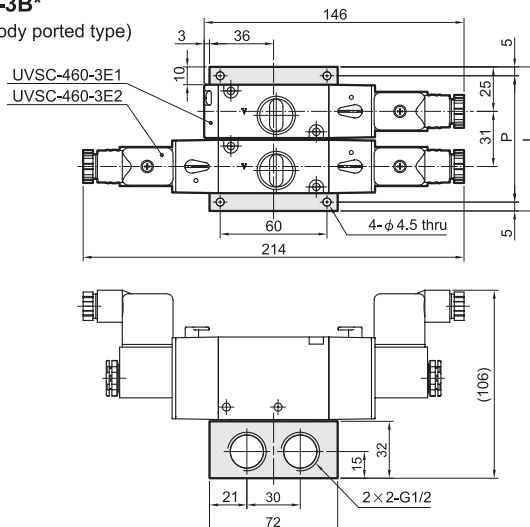
● UVSC-460-3E2



Manifold of solenoid valve

● UVSC-460-3B*

3 ports (for body ported type)



No. of stations	P	L
2	71	81
3	102	112
4	133	143
5	164	174
6	195	205
7	226	236
8	257	267
9	288	298
10	319	329

UVSC

UACP

UAFR

UAR

ADV
FMRF

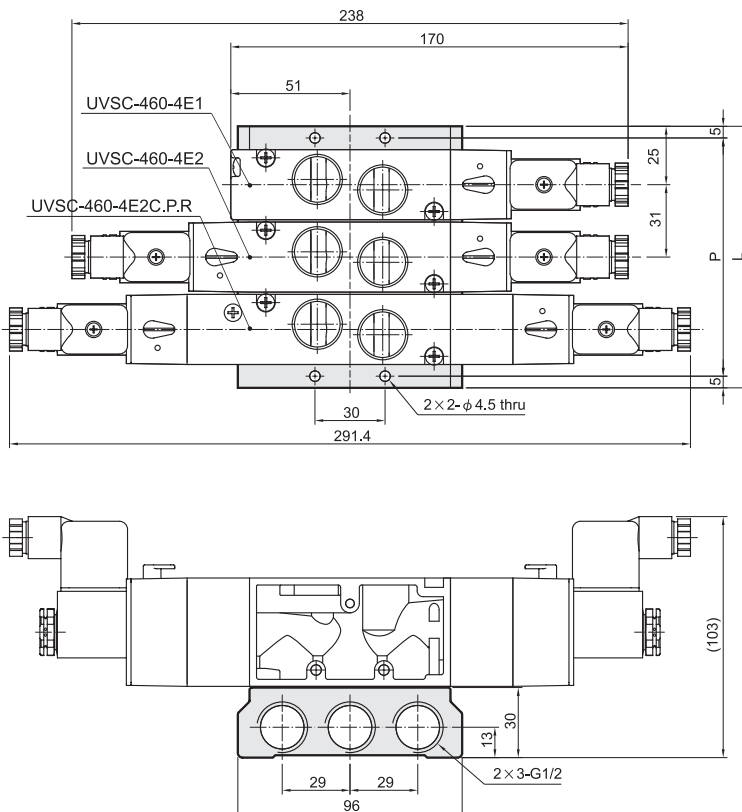
MP
PG

UVSC-460 Solenoid Valve

Dimensional features

● UVSC-460-5B*

5 ports (for body ported type)



No. of stations	P	L
2	71	81
3	102	112
4	133	143
5	164	174
6	195	205
7	226	236
8	257	267
9	288	298
10	319	329