

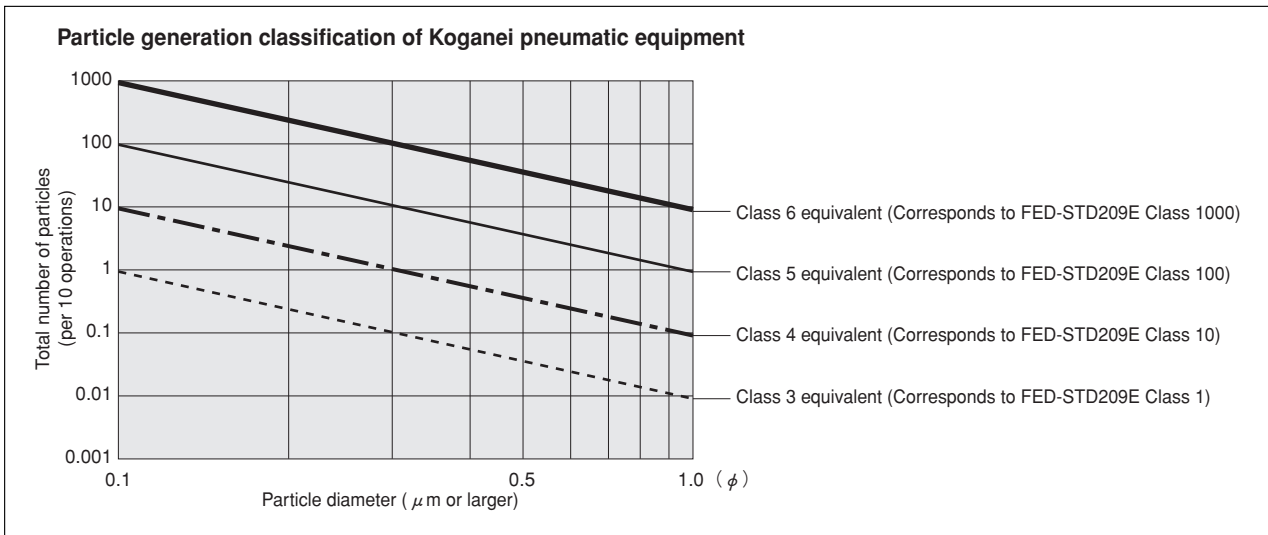


Koganei Clean System products provide complete support for the maintenance of a clean environment inside the cleanroom.

Koganei Clean System products meet the needs of the ultra-clean production environment. In everything from actuators and valves to air preparation and auxiliary equipment, anti-corrosion materials processing and other Koganei-developed design concepts serve to prevent particle contamination within the cleanroom. These perfectly designed mechanisms, which resolve even the slightest leaks to the outside during operations, have already won a high level of reliability.

Koganei Cleanliness

There is currently no standard in JIS or elsewhere for methods of evaluating cleanliness for pneumatic equipment in the cleanroom specifications. Therefore, to measure the effects of cleanroom contamination by pneumatic equipment, Koganei has decided to use “number of particles generated per 10 operations,” rather than particle density. Koganei has also developed classifications for application classes in cleanroom, based on JIS and other upper limit density tables, and on the company’s own experience.



- Remarks:
1. In the above table, product performance in terms of the number of particles generated per 10 operations is expressed as the upper limit of particles corresponding to the equivalent JIS or ISO class.
 2. In the above table, values in the JIS, ISO, and FED-STD upper limit density tables are calculated as upper density per liter.
 3. The classes shown are clean levels as classified in JIS and ISO.

From the above definitions, the Koganei clean level classes can be viewed as the level of average contamination per liter of surrounding air over a period of 10 operations in cleanroom. Air ventilation in cleanrooms is usually faster than 1 cycle per minute, and clean volumetric capacity is usually larger than 1 liter, which should provide a sufficient safety margin in practice.

Caution: The above conclusions are based on an ideal situation in which air ventilation is being implemented. For specific cases where air ventilation is not ensured, caution is needed since the clean classes cannot be maintained.

The clean system diagrams shown here are for Class 5 equivalent products. For Class 4 or Class 3 equivalent products, consult us.

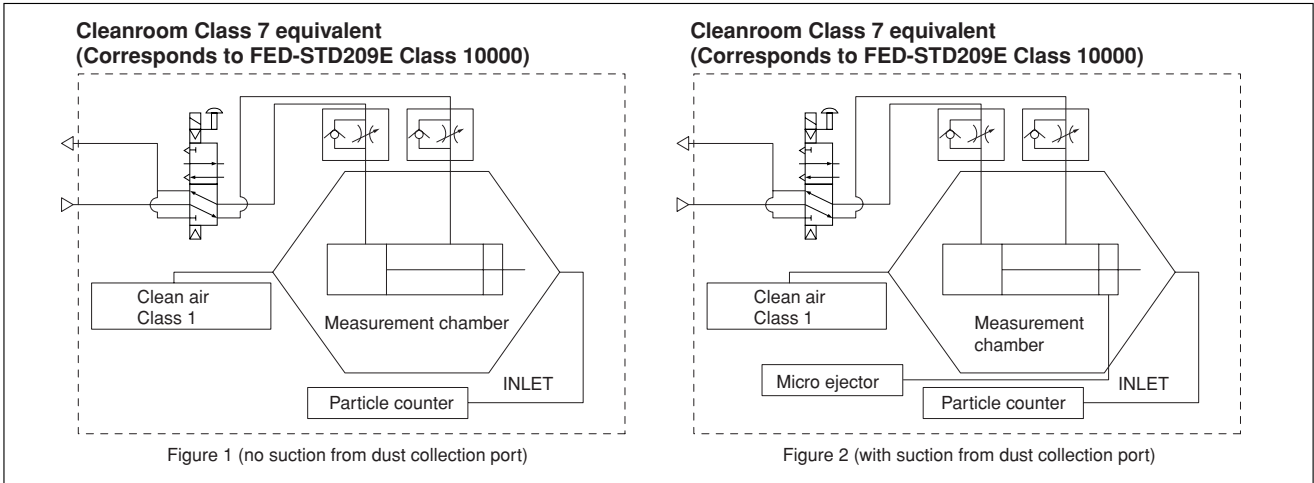
Evaluations of Cleanliness

Koganei has therefore specified its in-house measurement methods, to conduct evaluations on the cleanroom rating.

The number of particles of the Air Cylinder Cleanroom Specification is measured as shown in the method below.

1. Measurement conditions

1-1 Test circuit: Figure 1 (no suction), Figure 2 (with suction)



1-2 Operating conditions of tested cylinder

- Operating frequency: 1Hz
- Average speed: 500mm/s [20in./sec.]
- Applied pressure: 0.5MPa [73psi.]
- Suction condition: Microejector ME05, Primary side: 0.5MPa [73psi.] applied, Tube: $\phi 6$ [0.236in.]
- Mounting direction: Vertical
- Chamber volume: 8.3 ℓ [0.293ft.³]

2. Particle counter

- Manufacturer/model: RION/KM20
- Suction flow rate: 28.3 ℓ /min [1ft.³/min.]
- Particle diameter: 0.1 μm , 0.2 μm , 0.3 μm , 0.5 μm , 0.7 μm , 1.0 μm

3. Measurement method

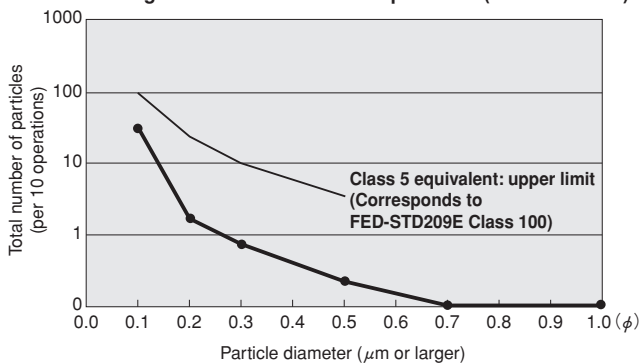
- 3-1 Confirmation of number of particles in the measurement system
Under the conditions in the above 1 and 2, using a particle counter to measure the sample for 9 minutes without operating the measurement sample, and confirmed the measured number of particle is 1 piece or less.
- 3-2 Measurement under operation
Under the conditions in the above 1 and 2, operating the measurement sample for 36 minutes, and measured the total values in the latter half of 18 minutes test.
- 3-3 Reconfirmation
Performed the measurement in 3-1 again, to reconfirm the number of particles in the measurement system.

4. Measurement results

● Cleanroom specification

Jig Cylinder (no suction from dust collection port)

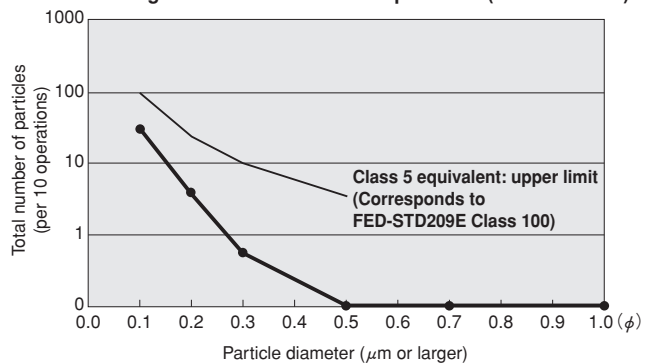
Particle generation over 1 million operations (CS-CDA16 \times 30)



● Cleanroom specification

Slim Cylinder (with suction from dust collection port)

Particle generation over 1 million operations (CS-DA20 \times 100)

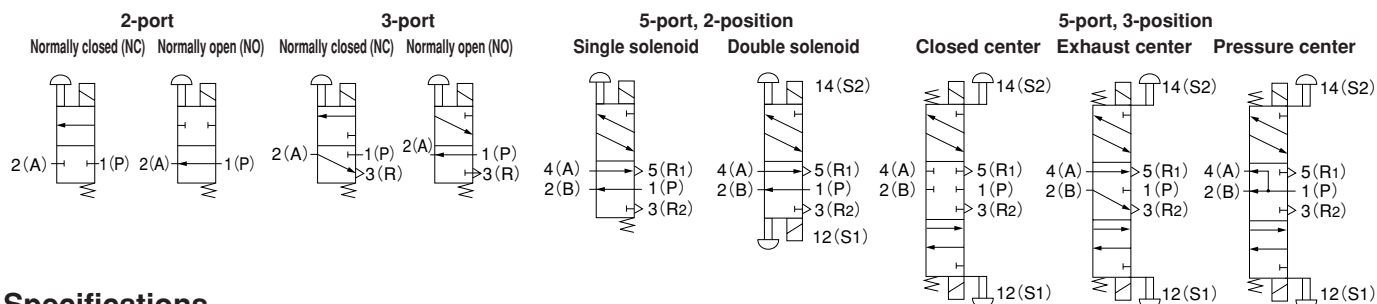


For “safety precautions” listed in the Clean System Product Drawings, see the materials below.

- For actuators, see “Safety Precautions” on p. 45 of the Actuators General Catalog .
- For valves, see “Safety Precautions” on p. 31 of the Valves General Catalog.
- For air treatment and auxiliary equipment, see “Safety Precautions” on p.31 of the General Catalog of Air Treatment, Auxiliary, Vacuum.

KOGANEI CLEAN SYSTEM SOLENOID VALVES 200 SERIES

Symbols



Specifications

Item	Basic model	For direct piping, F, T type manifolds	CS-200E1	CS-200-4E1	CS-200-4E2	CS-203-4E2
	Item	Single unit for mounting sub-base, A type manifold	CS-A200E1	CS-A200-4E1	CS-A200-4E2	CS-A203-4E2
Number of positions			2 positions			3 positions
Number of ports			2, 3 ports		5 ports	
Valve function			Normally closed (NC) or Normally open (NO)	Single solenoid	Double solenoid	Closed center (standard), exhaust center or pressure center (optional)
Media			Air			
Operation type			Direct acting type			
Effective area [Cv]	mm ²		8.5 [0.47]	7.5 [0.42]		6.5 [0.36]
Port size			Rc1/4			
Lubrication			Not required			
Operating pressure range	MPa [psi.]		0~0.9 [0~131]		0.15~0.7 [22~102]	0~0.7 [0~102]
Proof pressure	MPa [psi.]		1.35 [196]		1.05 [152]	
Response time ^{Note}	ms	DC24V	20/20 or below		20 or below	20/20 or below
ON/OFF		AC100V, AC200V	20/20 or below		20 or below	20/20 or below
Maximum operating frequency	Hz		5			
Minimum time to energize for self holding	ms		—		50	—
Operating temperature range (atmosphere and media)	°C [°F]		0~50 [32~122]			
Shock resistance m/s ² [G]	Lateral direction		980.7 [100.0]			
	Axial direction		588.4 [60.0]	392.3 [40.0]	294.2 [30.0]	588.4 [60.0]
Mounting direction			Any			

Note: Values when air pressure is 0.5MPa [73psi.]. Values for CS-□200-4E2 are switching time from the opposite-side position, and for CS-□203-4E2 are switching time from the neutral valve position.

Solenoid Specifications

Item	Rated voltage		DC24V	AC100V		AC200V	
	Type			Flywheel diode type			
Operating voltage range	V		21.6~26.4 (24±10%)	90~110 (100±10%)		180~220 (200±10%)	
Current ^{Note 1} (when rated voltage is applied)	Frequency	Hz	—	50	60	50	60
	Energizing ^{Note 2}	mA (r.m.s)	420 (10.1W) [432 (10.4W)]	160 [170]	150 [160]	70 [72]	65 [68]
Maximum allowable leakage current	mA		30	15		7	
Insulation resistance	MΩ		10				
Wiring type and lead wire length	Standard		Grommet type: 300mm [11.8in.]				
	Optional		With DIN connector				
Color of lead wire			Red [Red (+), Blue (-)] ^{Note 1} Red (+), Black (-) ^{Note 3}	Yellow, Black		White, Black	
Color of LED indicator (optional)			Red	Yellow		Green	
Surge suppression	Standard		Flywheel diode				
	Optional		Flywheel diode				

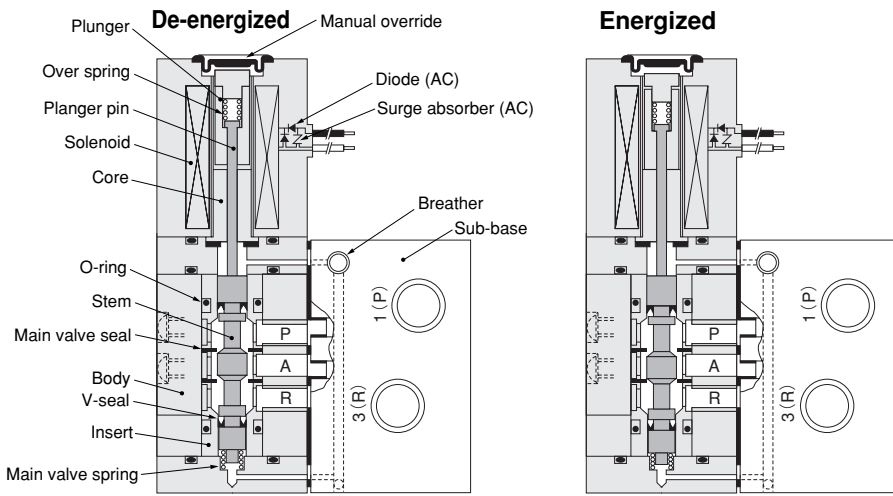
Notes: 1. Figures in brackets [] are for solenoids with LED indicators.

2. Since the AC types have built-in flywheel diodes, the starting current value and energizing current value are virtually the same.

3. For solenoids with surge suppression, and solenoids with surge suppression and LED indicators.

Inner Construction and Major Parts

CS-A200E1-25



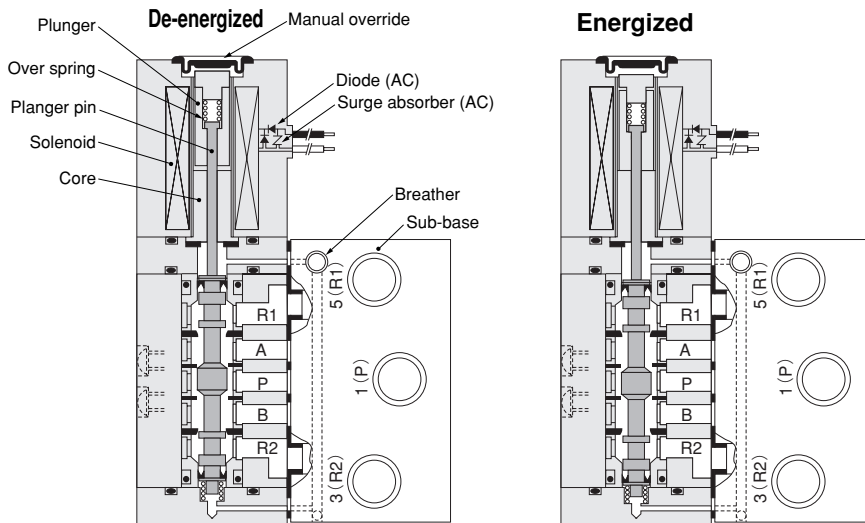
Major Parts and Materials

Parts	Materials
Body, sub-base	Aluminum alloy (anodized)
Stem	Aluminum alloy (anodized)
Plunger	Stainless steel
Plunger pin	
Stem spring	Synthetic rubber (NBR)
Main valve seal	
V-seal	Aluminum alloy and brass
O-ring	
Insert	Mild steel (nickel plated)
Mounting screw	

Manifold Materials

Parts	Materials
Manifold body	Aluminum alloy (anodized)
Block-off plate	Mild steel
Plug, mounting screw	(nickel plated)

CS-A200-4E1-25



Order Codes

CS - A200 E1		[]	[]	[]	[]	[]	[]	[]	
Clean system 200 series valve basic model		Valve function			Number of ports		Valve function		
		Closed center	Exhaust center	Pressure center	3-port	2-port	Normally closed (NC)	Normally open (NO)	
● For sub-base-mounted units (cannot be used for units without sub-base)	CS - A200E1	2-, 3-port	—			Blank	- 2 (Plug)	Blank	- 11
	CS - A200 - 4E1	5-port	—			—		—	
	CS - A200 - 4E2	5-port	—			—		—	
	CS - A203 - 4E2	5-port	Blank	- 13	- 14	—		—	
● For manifold-mounted units	CS - 200E1	2-, 3-port	—			Blank	- 2 (Steel ball press fitted)	Blank	- 11
	CS-200-4E1, CS-A200-4E1	5-port	—			—		—	
	CS-200-4E2, CS-A200-4E2	5-port	—			—		—	
	CS -203-4E2, CS-A203-4E2	5-port	Blank	- 13	- 14	—		—	

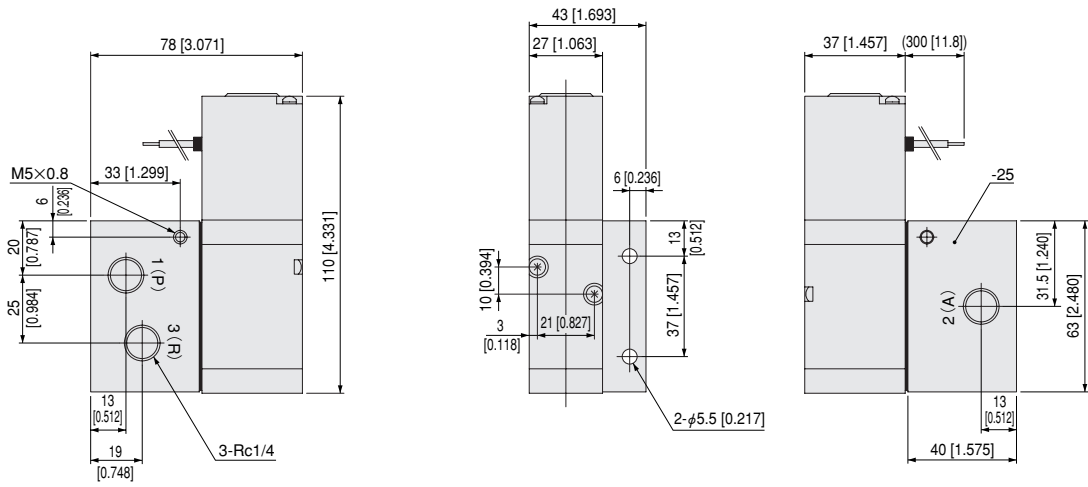
Manifold Order Codes

CS - BM		[]	[]	[]	[]	[]	[]
Clean system 200 series manifold basic model		Number of units	Manifold model		Station		Clean system mounting valve type
		2 : 2 units 3 : 3 units ⋮ 10 : 10 units	T : T type ● For mounting 2 -, 3-port valve ● P, R port manifold Rc1/4 F : F type ● For mounting 5-port valve ● P, R port manifold Rc1/4 ● Valve with A and B ports for piping A : A type ● For mounting 5-port valve ● All ports manifold	● Valve mounting position from left, as viewed from the front Stn.1 : First Stn.2 : Second ⋮ Stn.10 : 10th	● For details of valve models, see the order codes listed above. ● Enter CS-BP when closing a station with a block-off plate without mounting a valve.		
CS-BM							

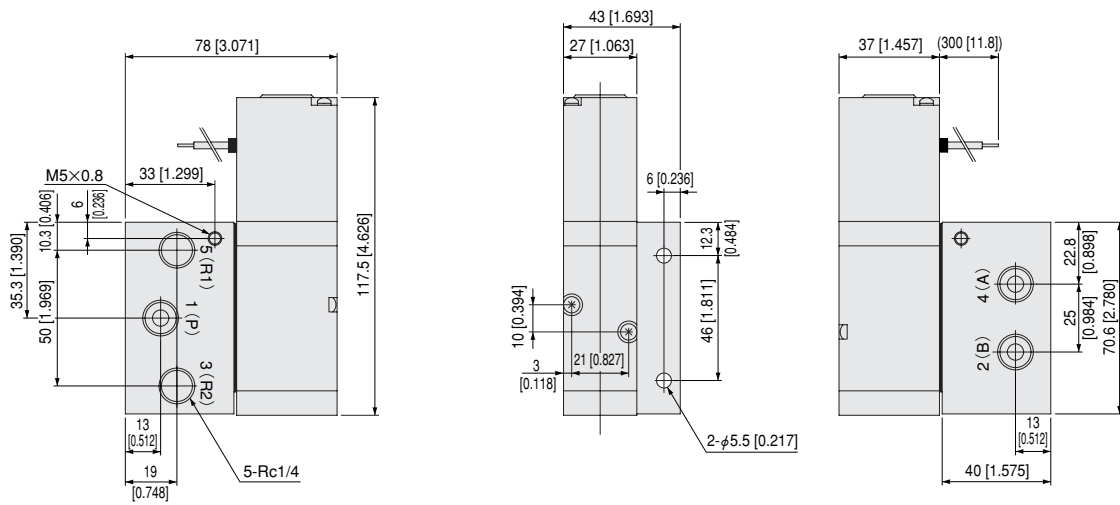
Sub-base		Wiring type		Indicator		Flywheel diode		Voltage
Without sub-base	With sub-base	Grommet type	DIN connector	Without indicator	With indicator	With flywheel diode	Without flywheel diode	
Blank	- 25	Blank	- 39	Blank	- L ● Not available with DIN connector	Blank	- SR ● For DC24V only. For AC100V and AC200V, equipped as standard.	DC24V AC100V AC200V
Dedicated for manifold mounting								

Dimensions of Solenoid Valve mm [in.]

● CS-A200E1-25

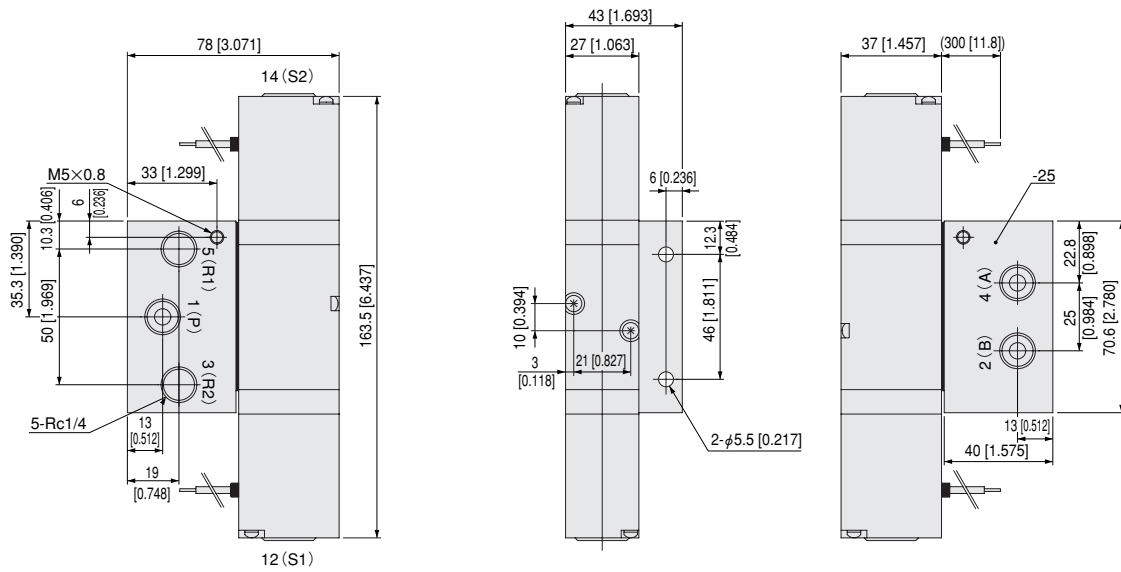


● CS-A200-4E1-25



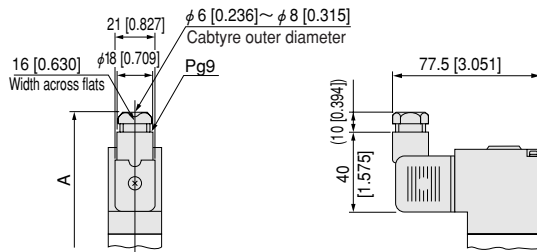
Dimensions of Solenoid Valve mm [in.]

- CS-A200-4E2-25
- CS-A203-4E2-25

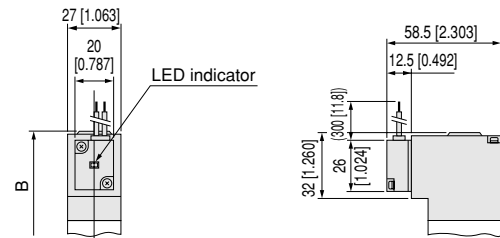


Options

- Solenoid with DIN connector: -39



- Solenoid with LED indicator: -L

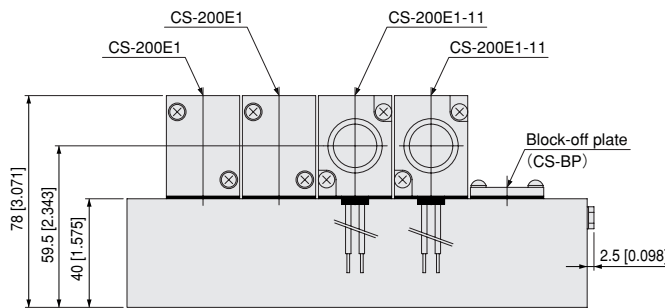
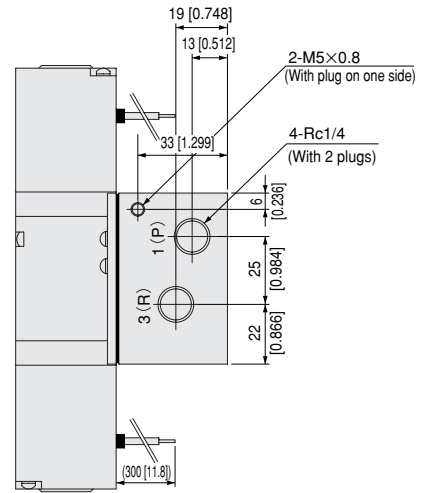
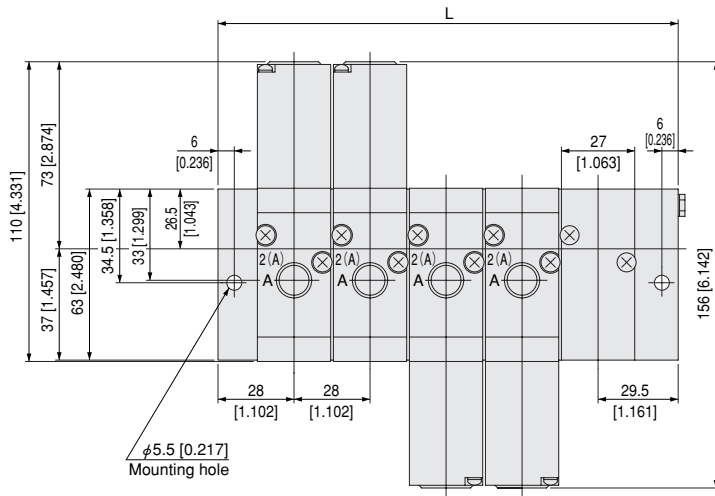


Code	A	B	Remark
Model			
CS-A200E1	128 [5.039]	110 [4.331]	Overall length of the valve
CS-A200-4E1	135.5 [5.335]	117.5 [4.626]	
CS-A200-4E2	199.5 [7.854]	163.5 [6.437]	
CS-A203-4E2			

Dimensions of Manifold mm [in.]

For mounting of 2-, 3-port valves

●CS-BM□T

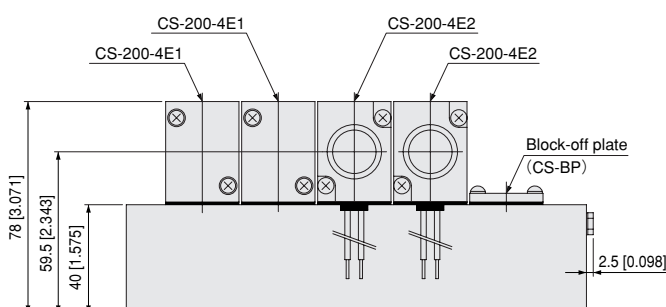
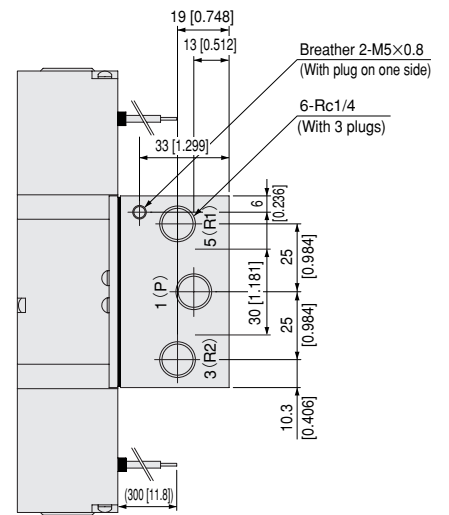
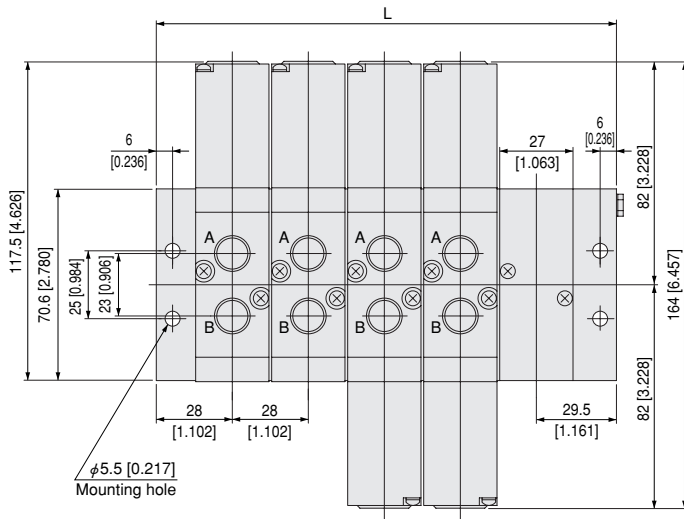


Unit dimensions

Model	L
CS-BM2T	85.5 [3.366]
CS-BM3T	113.5 [4.469]
CS-BM4T	141.5 [5.571]
CS-BM5T	169.5 [6.673]
CS-BM6T	197.5 [7.776]
CS-BM7T	225.5 [8.878]
CS-BM8T	253.5 [9.980]
CS-BM9T	281.5 [11.083]
CS-BM10T	309.5 [12.185]

For combination mounting of 2-, 3-, 5-port valves

●CS-BM□F



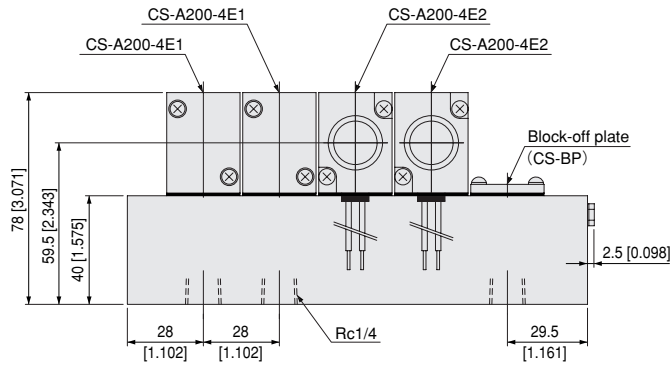
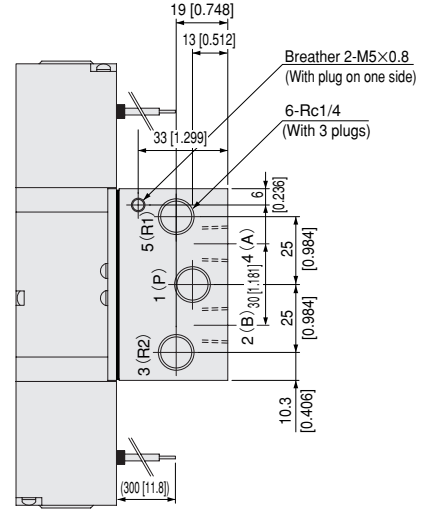
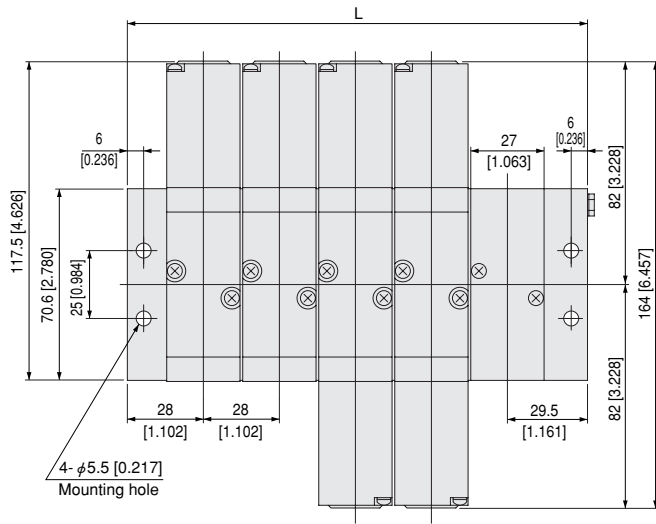
Unit dimensions

Model	L
CS-BM2F	85.5 [3.366]
CS-BM3F	113.5 [4.469]
CS-BM4F	141.5 [5.571]
CS-BM5F	169.5 [6.673]
CS-BM6F	197.5 [7.776]
CS-BM7F	225.5 [8.878]
CS-BM8F	253.5 [9.980]
CS-BM9F	281.5 [11.083]
CS-BM10F	309.5 [12.185]

Dimensions of Manifold mm [in.]

For mounting of 5-port valves

● CS-BM□A



Unit dimensions

Model	L
CS-BM2A	85.5 [3.366]
CS-BM3A	113.5 [4.469]
CS-BM4A	141.5 [5.571]
CS-BM5A	169.5 [6.673]
CS-BM6A	197.5 [7.776]
CS-BM7A	225.5 [8.878]
CS-BM8A	253.5 [9.980]
CS-BM9A	281.5 [11.083]
CS-BM10A	309.5 [12.185]

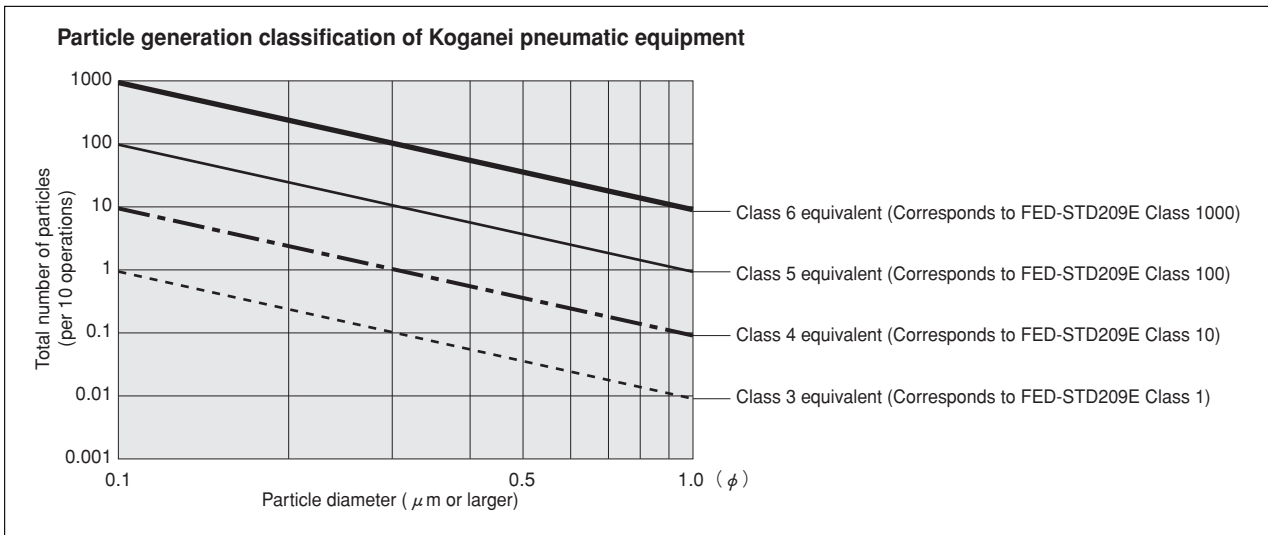


Koganei Clean System products provide complete support for the maintenance of a clean environment inside the cleanroom.

Koganei Clean System products meet the needs of the ultra-clean production environment. In everything from actuators and valves to air preparation and auxiliary equipment, anti-corrosion materials processing and other Koganei-developed design concepts serve to prevent particle contamination within the cleanroom. These perfectly designed mechanisms, which resolve even the slightest leaks to the outside during operations, have already won a high level of reliability.

Koganei Cleanliness

There is currently no standard in JIS or elsewhere for methods of evaluating cleanliness for pneumatic equipment in the cleanroom specifications. Therefore, to measure the effects of cleanroom contamination by pneumatic equipment, Koganei has decided to use “number of particles generated per 10 operations,” rather than particle density. Koganei has also developed classifications for application classes in cleanroom, based on JIS and other upper limit density tables, and on the company’s own experience.



- Remarks:
1. In the above table, product performance in terms of the number of particles generated per 10 operations is expressed as the upper limit of particles corresponding to the equivalent JIS or ISO class.
 2. In the above table, values in the JIS, ISO, and FED-STD upper limit density tables are calculated as upper density per liter.
 3. The classes shown are clean levels as classified in JIS and ISO.

From the above definitions, the Koganei clean level classes can be viewed as the level of average contamination per liter of surrounding air over a period of 10 operations in cleanroom. Air ventilation in cleanrooms is usually faster than 1 cycle per minute, and clean volumetric capacity is usually larger than 1 liter, which should provide a sufficient safety margin in practice.

Caution: The above conclusions are based on an ideal situation in which air ventilation is being implemented. For specific cases where air ventilation is not ensured, caution is needed since the clean classes cannot be maintained.

The clean system diagrams shown here are for Class 5 equivalent products. For Class 4 or Class 3 equivalent products, consult us.

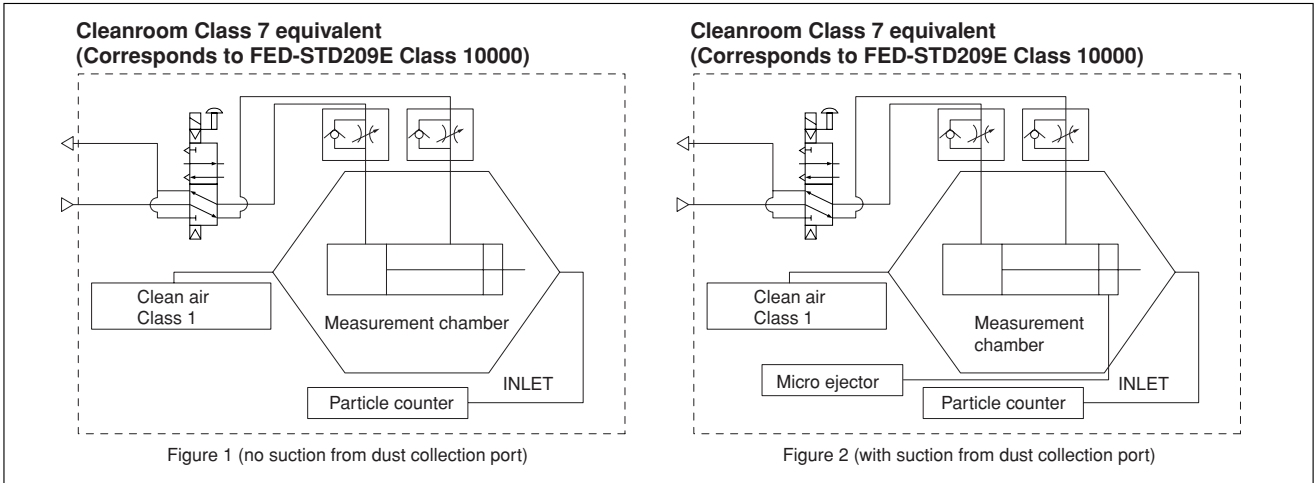
Evaluations of Cleanliness

Koganei has therefore specified its in-house measurement methods, to conduct evaluations on the cleanroom rating.

The number of particles of the Air Cylinder Cleanroom Specification is measured as shown in the method below.

1. Measurement conditions

1-1 Test circuit: Figure 1 (no suction), Figure 2 (with suction)



1-2 Operating conditions of tested cylinder

- Operating frequency: 1Hz
- Average speed: 500mm/s [20in./sec.]
- Applied pressure: 0.5MPa [73psi.]
- Suction condition: Microejector ME05, Primary side: 0.5MPa [73psi.] applied, Tube: $\phi 6$ [0.236in.]
- Mounting direction: Vertical
- Chamber volume: 8.3 ℓ [0.293ft.³]

2. Particle counter

- Manufacturer/model: RION/KM20
- Suction flow rate: 28.3 ℓ /min [1ft.³/min.]
- Particle diameter: 0.1 μm , 0.2 μm , 0.3 μm , 0.5 μm , 0.7 μm , 1.0 μm

3. Measurement method

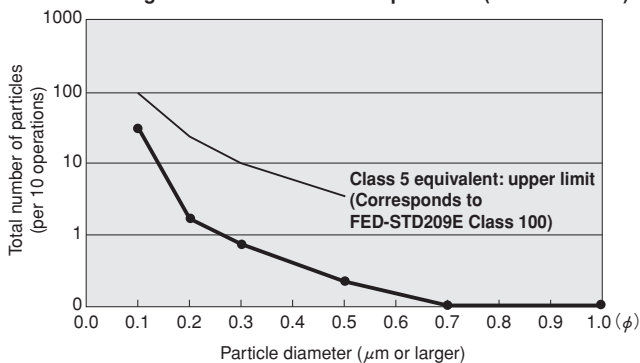
- 3-1 Confirmation of number of particles in the measurement system
Under the conditions in the above 1 and 2, using a particle counter to measure the sample for 9 minutes without operating the measurement sample, and confirmed the measured number of particle is 1 piece or less.
- 3-2 Measurement under operation
Under the conditions in the above 1 and 2, operating the measurement sample for 36 minutes, and measured the total values in the latter half of 18 minutes test.
- 3-3 Reconfirmation
Performed the measurement in 3-1 again, to reconfirm the number of particles in the measurement system.

4. Measurement results

● Cleanroom specification

Jig Cylinder (no suction from dust collection port)

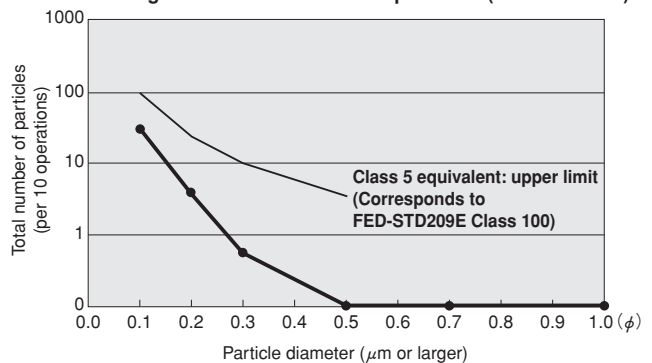
Particle generation over 1 million operations (CS-CDA16 \times 30)



● Cleanroom specification

Slim Cylinder (with suction from dust collection port)

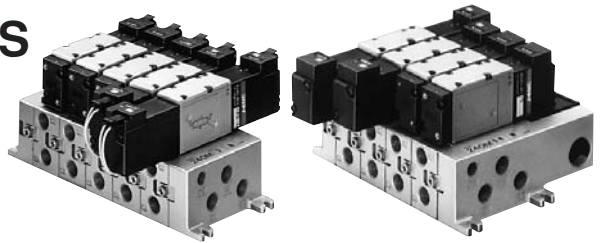
Particle generation over 1 million operations (CS-DA20 \times 100)



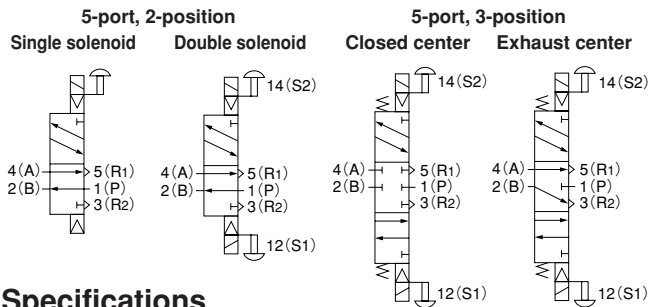
For “safety precautions” listed in the Clean System Product Drawings, see the materials below.

- For actuators, see “Safety Precautions” on p. 45 of the Actuators General Catalog .
- For valves, see “Safety Precautions” on p. 31 of the Valves General Catalog.
- For air treatment and auxiliary equipment, see “Safety Precautions” on p.31 of the General Catalog of Air Treatment, Auxiliary, Vacuum.

KOGANEI CLEAN SYSTEM SOLENOID VALVES 240 SERIES



Symbols



Specifications

Basic model	Solenoid specification	Single solenoid	Double solenoid	3-position double solenoid
	Item	For standard type sub-base For A type, B type manifolds For pug-in type sub-base For AW, BW type manifolds	CS-A240-4E1	CS-A240-4E2
Media	Air			
Operation type	Internal pilot type			
Number of positions, number of ports	2 positions, 5 ports		3 positions, 5 ports	
Valve function	—		Closed center (standard) or Exhaust center (optional)	
Effective area [Cv]	mm ²	11.3 [0.62]	11 [0.61]	
Port size	P, A, B, R : Rc 1/4, PR : Rc 1/8			
Lubrication	Not required			
Operating pressure range	MPa [psi.]	0.17~0.7 [25~102]		
Proof pressure	MPa [psi.]	1.05 [152]		
Operating temperature range (atmosphere and media)	°C [°F]	5~50 [41~122]		
Shock resistance	Lateral direction	1373.0 {140.0}		
	Axial direction	451.1 {46.0}	264.8 {27.0}	588.4 {60.0}
Mounting direction	Any			
Maximum operating frequency	Hz	5		
Minimum time to energize	ms	—	0.05	—
Mass	g [oz.]	160 [5.64]	230 [8.11]	260 [9.17]
		(350 [12.35] ^{Note 1})	(420 [14.81] ^{Note 1})	(450 [15.87] ^{Note 1})
		400 [14.11] ^{Note 2}	470 [16.58] ^{Note 2}	500 [17.64] ^{Note 2}

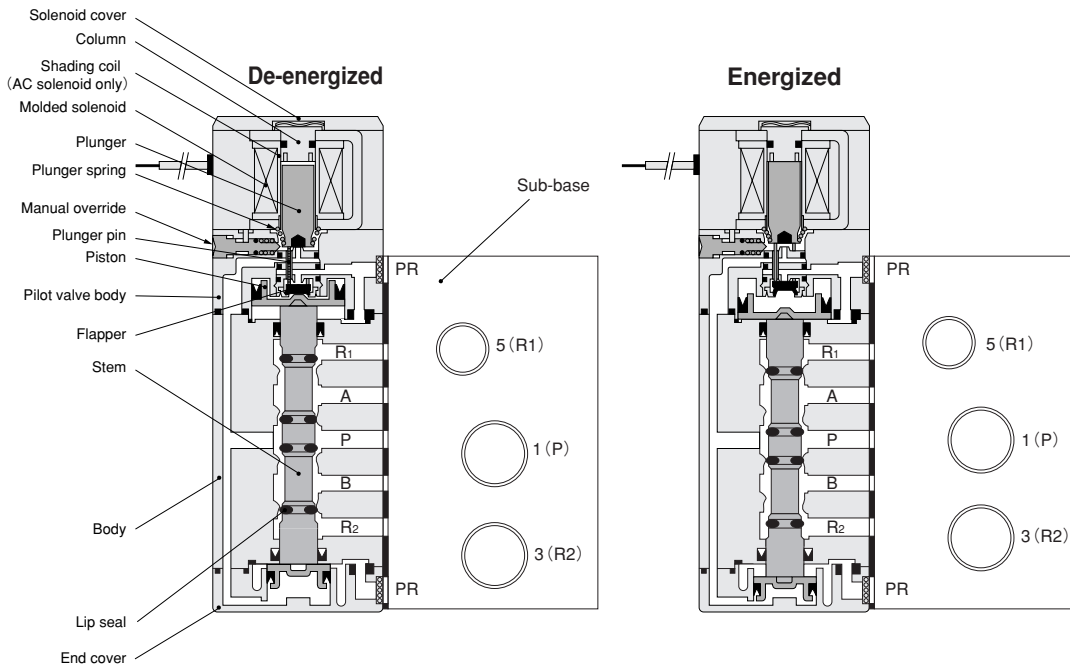
Notes: 1. Mass of CS-A24□-4E□ with sub-base.
2. Mass of CS-W24□-4E□ with sub-base.

Solenoid Specifications

Item	Rated voltage		AC100V		AC200V		DC24V	
	Type	Shading type				Flywheel diode incorporated for surge suppression		
Operating voltage range	V	90~132 (100 ⁺³² ₋₁₀ %)		180~264 (200 ⁺³² ₋₁₀ %)		21.6~26.4 (24±10%)		—
		Current (when rated voltage is applied)	Frequency Hz	50	60	50	60	—
Current (when rated voltage is applied)	Starting	mA (r.m.s.)		34	32	17	16	—
	Energizing	mA (r.m.s.)		22	20	11	10	65(1.6W) [⁷⁵ (1.8W) with LED indicator]
Allowable leakage current	mA		4		2		4	
Insulation resistance	MΩ		Over 100					
Wiring type	Standard type	Standard	Grommet type: 300mm [11.8in.]					
		Optional	Plug connector type Straight connector -PSL: 300mm [11.8in.]※ -PSNL: Without lead wire (connector, contacts included) L connector -PLL: 300mm [11.8in.]※ -PLNL: Without lead wire (connector, contacts included) ※-1L: 1000mm [39in.], -3L: 3000mm [118in.] also available as options.					
	Plug-in type	Terminal type (Sub-base comes with conduit cover, and manifold with terminal cover)						
Color of lead wire	Yellow	White	Red (+), Black (-)					
Color of LED indicator (optional)	Yellow	Green	Red					
Surge suppression	Built-in varistor (optional)		Flywheel diode (as standard)					

Inner Construction and Major Parts

CS-A240-4E1-25



Major Parts and Materials

Parts	Materials
Body	Aluminum alloy (anodized)
Stem	
Lip seal	Synthetic rubber (NBR)
Flapper	Aluminum alloy (anodized)
Sub-base	
Plunger	
Column	Magnetic stainless steel

Order Codes

CS - A240 - 4E1 - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/>										
Clean system 240 series valve basic model			Valve function		Sub-base				Manual override	
			Closed center (standard)	Exhaust center	Without sub-base	Side piping standard type	Side piping plug-in type	Side and bottom piping standard type	Side and bottom piping plug-in type	Non-locking type (standard)
<ul style="list-style-type: none"> ● For sub-base-mounted units (cannot be used for units without sub-base) ● For A type manifold 	CS - A240 - 4E1	5-port	—	—	Blank	- 25	—	- 27	—	Blank
	CS - A240 - 4E2	5-port	—	—						
	CS - A243 - 4E2	5-port	Blank	- 13						
<ul style="list-style-type: none"> ● For plug-in type sub-base-mounted single unit (cannot be used for units without plug-in sub-base) ● For W type manifold 	CS - W240 - 4E1	5-port	—	—	Blank	—	- 26	—	- 28	Blank
	CS - W240 - 4E2	5-port	—	—						
	CS - W243 - 4E2	5-port	Blank	- 13						

Note: Varistor for surge suppression is available for AC100V and AC200V only (flywheel diode for surge suppression is standard equipment for DC24V).
A varistor for surge suppression is built into AC100V and AC200V with LED indicator.

Manifold Order Codes

CS - 240M - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/> - <input type="text"/>					
Clean system 240 series manifold basic model					
CS-240M	Number of units	Manifold model		Station	Clean system mounting valve type
	<input type="text"/> : 2 units <input type="text"/> : 3 units ⋮ <input type="text"/> : 10 units	A : A type ● All ports manifold B : B type ● Bottom ported all ports manifold AW : AW type ● Plug-in type all ports manifold BW : BW type ● Plug-in type and bottom ported all ports manifold		● Valve mounting position from left, as viewed from the front <input type="text"/> Stn.1 : First <input type="text"/> Stn.2 : Second ⋮ <input type="text"/> Stn.10 : 10th	● For details of valve models, see the order codes listed above. ● Enter CS-BP when closing a station with a block-off plate without mounting a valve.

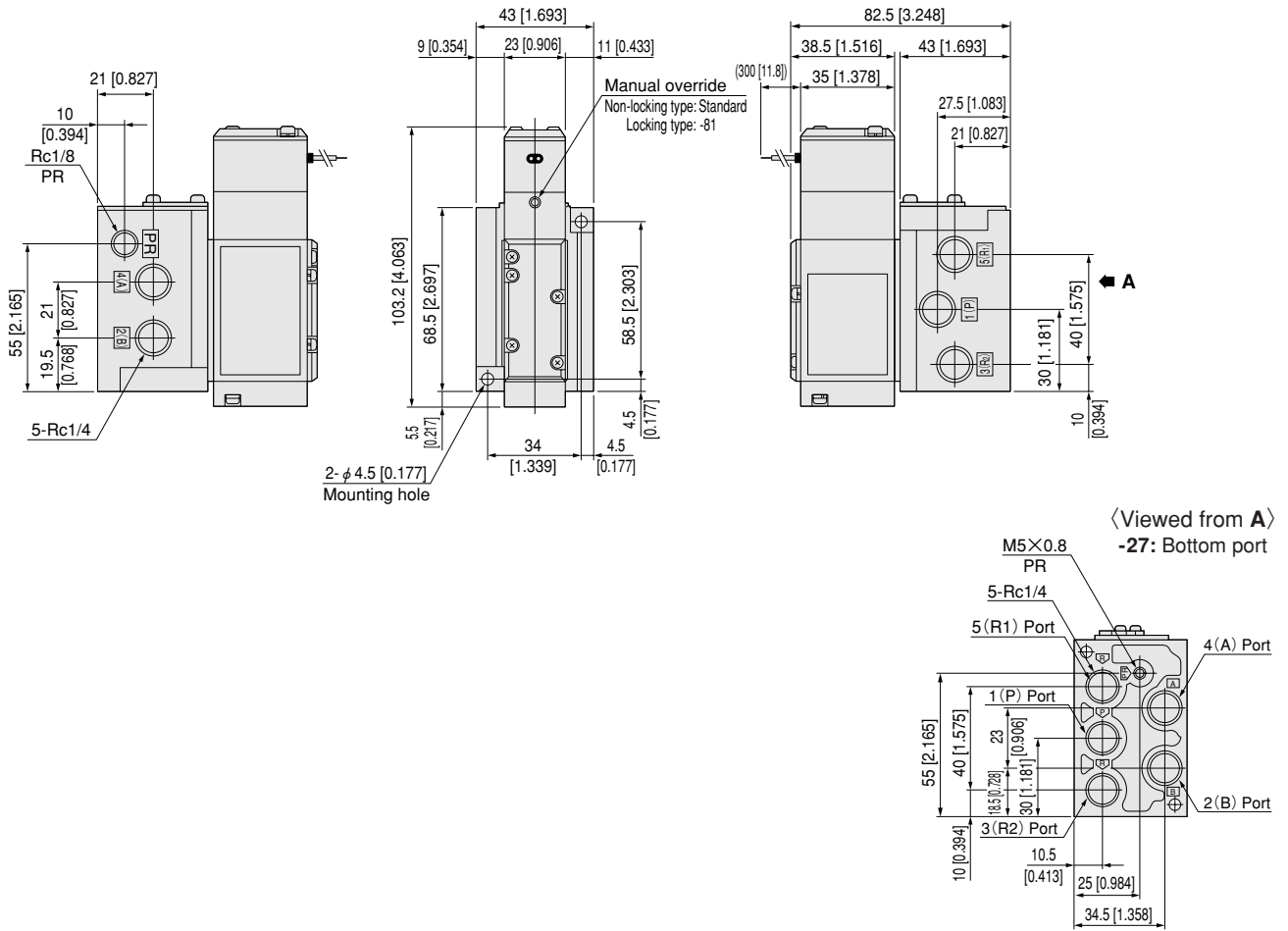
Solenoid options											Voltage
Locking type	Grommet type (standard)	Grommet with built-in varistor for surge suppression ^{Note}	DIN connector type	Straight connector with LED indicator		L connector with LED indicator		Plug-in type (standard)	Plug-in type with LED indicator	Plug-in type with built-in varistor for surge suppression type ^{Note}	
				With lead wire	Without lead wire	With lead wire	Without lead wire				
- 81	Blank	- ZR	- 39	- PSL	- PSNL	- PLL	- PLNL	---	---	---	DC24V AC100V AC200V

- 81	---	---	---	---	---	---	---	Blank	- L	- ZR	

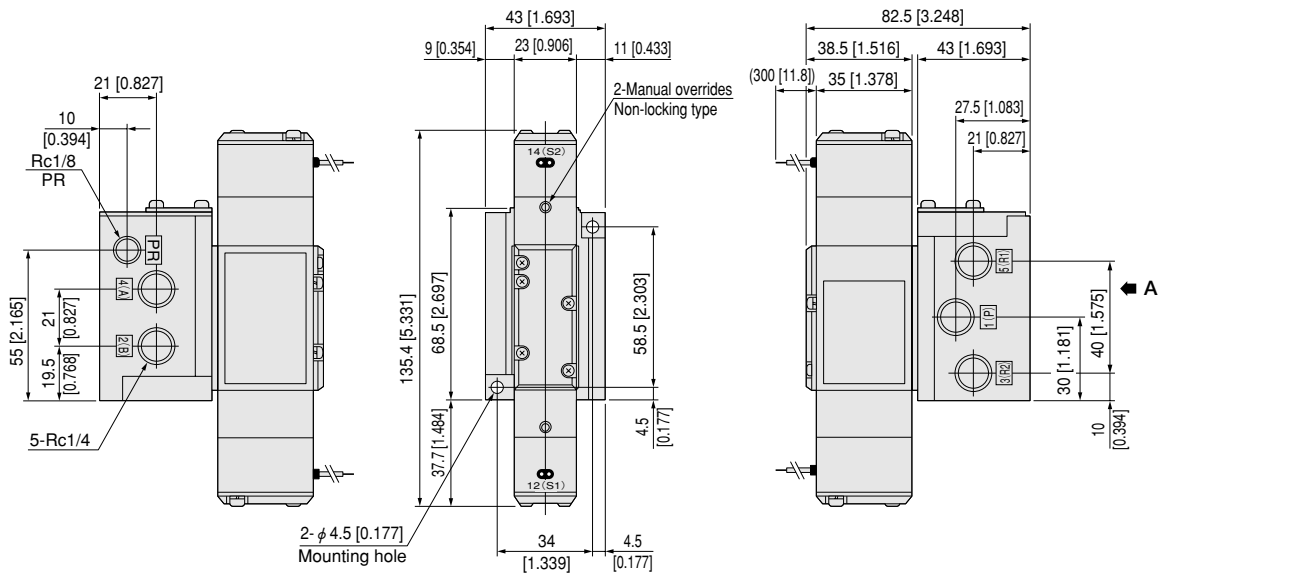
- 81											

Dimensions of Solenoid Valve mm [in.]

- CS-A240-4E1-25
- CS-A240-4E1-27



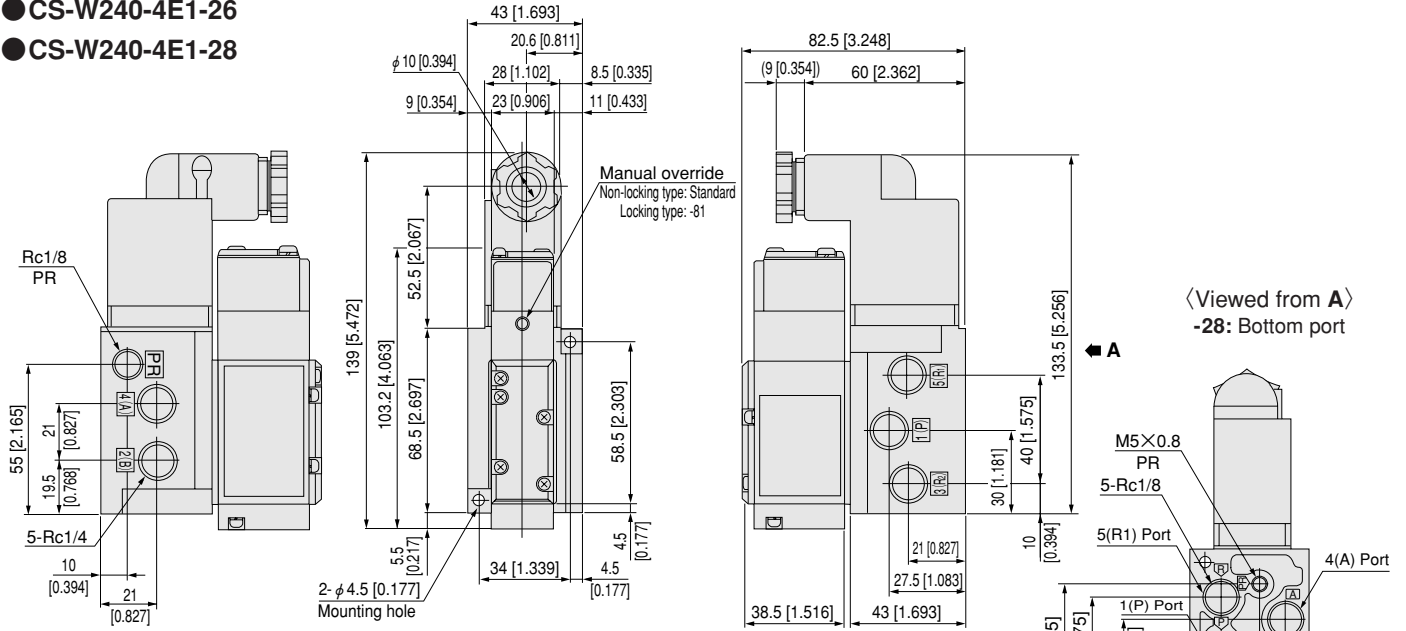
- CS-A240-4E2-25
- CS-A240-4E2-27



Dimensions of Solenoid Valve mm [in.]

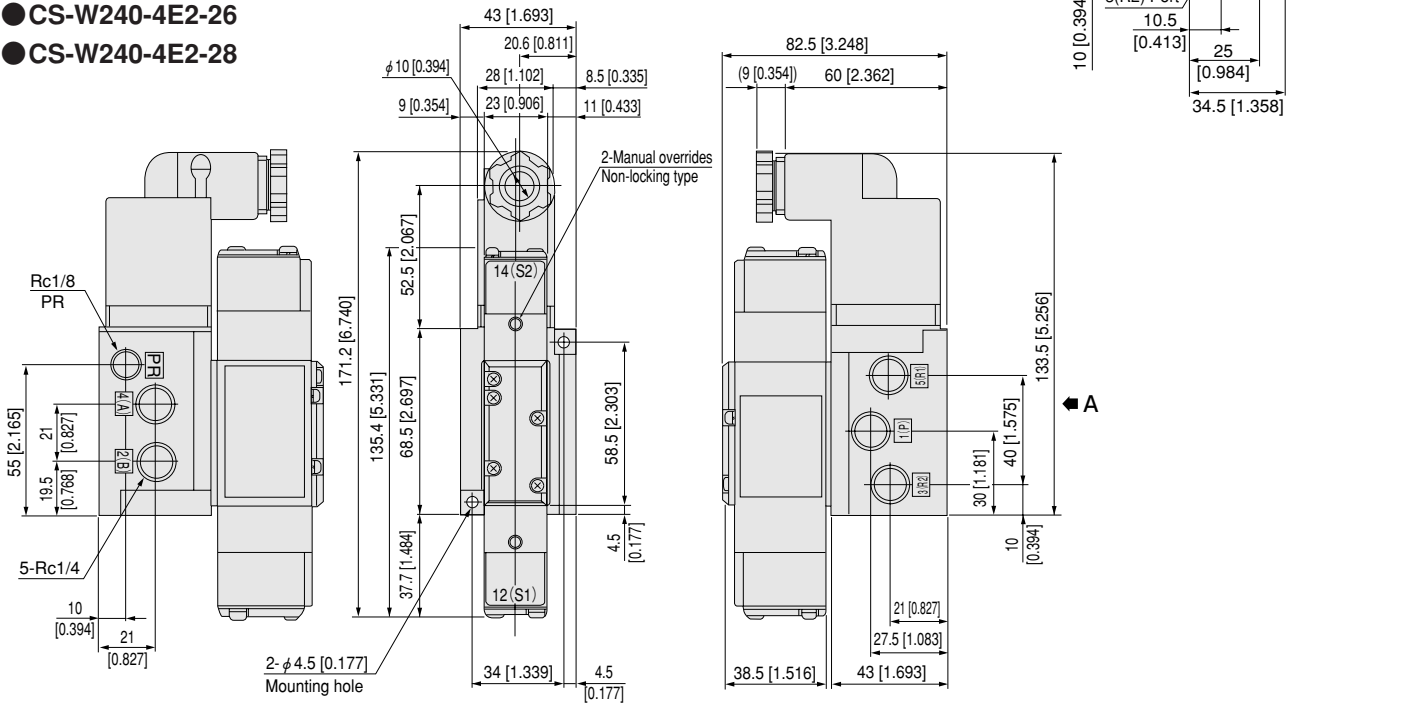
● CS-W240-4E1-26

● CS-W240-4E1-28



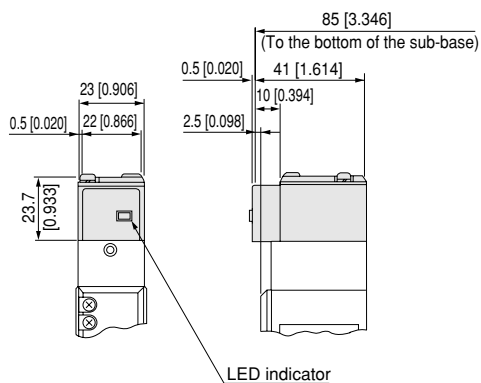
● CS-W240-4E2-26

● CS-W240-4E2-28



● Option

● With LED indicator: -L



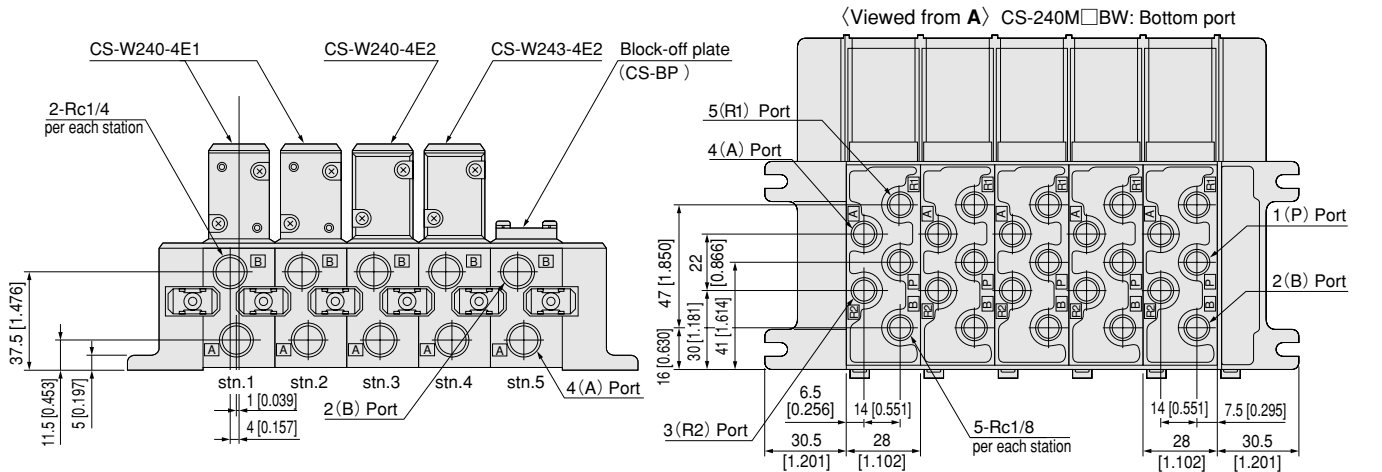
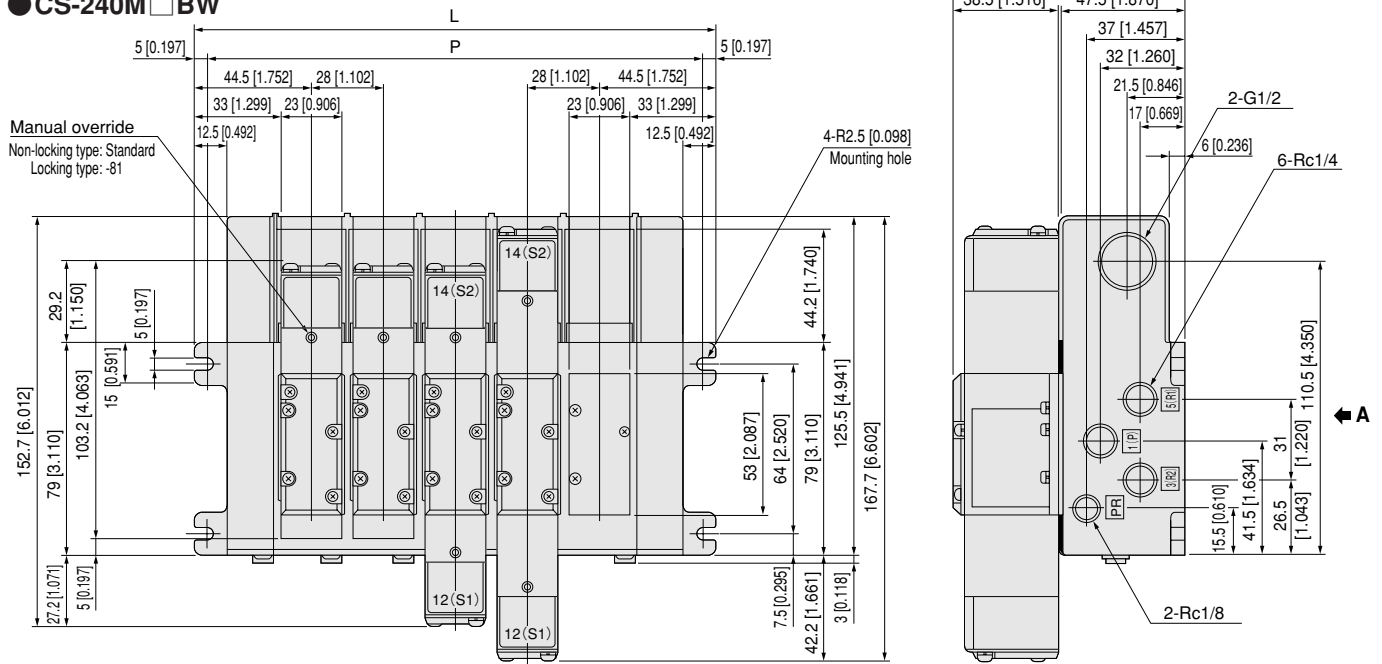
● Plug-in type with built-in varistor for surge suppression: -ZR

Dimensions are the same as the standard product.

Dimensions of Manifold 5-Port mm [in.]

● CS-240M □ AW

● CS-240M □ BW

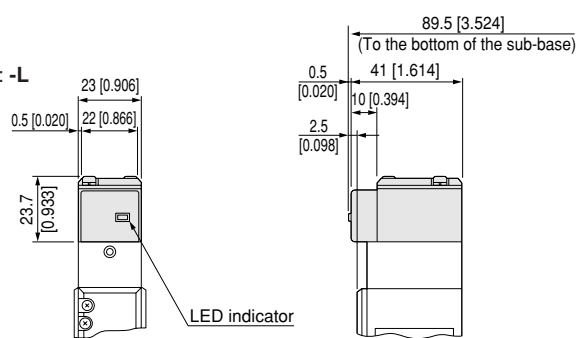


Unit dimensions

Model	P	L
CS-240M2AW, CS-240M2BW	107 [4.213]	117 [4.606]
CS-240M3AW, CS-240M3BW	135 [5.315]	145 [5.709]
CS-240M4AW, CS-240M4BW	163 [6.417]	173 [6.811]
CS-240M5AW, CS-240M5BW	191 [7.520]	201 [7.913]
CS-240M6AW, CS-240M6BW	219 [8.622]	229 [9.016]
CS-240M7AW, CS-240M7BW	247 [9.724]	257 [10.118]
CS-240M8AW, CS-240M8BW	275 [10.827]	285 [11.220]
CS-240M9AW, CS-240M9BW	303 [11.929]	313 [12.323]
CS-240M10AW, CS-240M10BW	331 [13.031]	341 [13.425]

Option

● With LED indicator: -L



● Plug-in type with built-in varistor for surge suppression: -ZR
Dimensions are the same as the standard product.