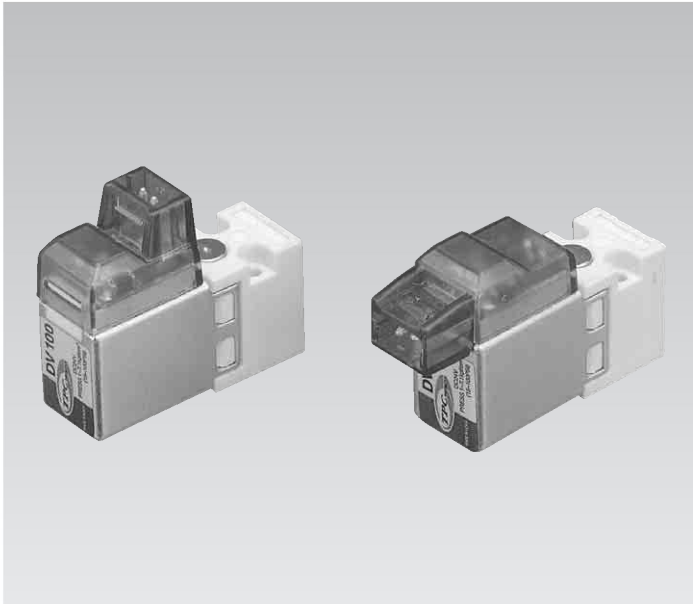


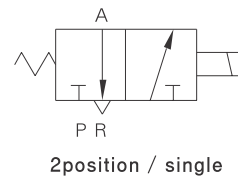
3Port Pilot Solenoid Valve

Series DV100



- Low Power Consumption / 1.0WDC
- Compact Space-Ø Saving Design
- Large Flow Capacity 0.18mm²(Cv0.01)

Symbols



How to order

DV100 — **5** **H** — **M3**

1
2
3
4

1 Series DV100

10mm Body

2 Voltage

- * 1 : AC110V (Option)
- * 2 : AC220V (Option)
- 5 : DC24V (standard)
- 6 : DC12V (Option)

* Made to Order : Contact TPC for further specifications, dimensions and delivery lead time.

3 LEAD Electrical Entry

H : Horizontal (DC TYPE)
V : Vertical

4 Option

Blank : Without Subplate
M3 : With Subplate

※ It is standard to attach the LAMP/SURGE voltage protection circuit. (Products without a LAMP or SURGE voltage protection circuit should be contacted separately)

Model

Model	Actuation	Port size	Effective Orifice mm ² (Cv Factor)
DV100-5(H,V)-**	NORMAL CLOSE (NC)	M5X0.8	0.17(0.009)

COIL Insulation

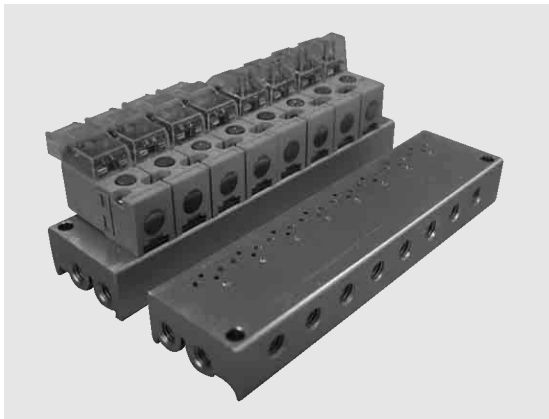
Insulation Form	Temperature (°C)
A Type	~ 65
E Type	~ 80
B Type (Basic Type)	~ 90
F Type	~ 115
H Type	~ 140

- Values represented in this catalog are not guaranteed but for reference.

Series DV100

Manifold

How to Order



DVM100 — 40 — 05

1 2 3

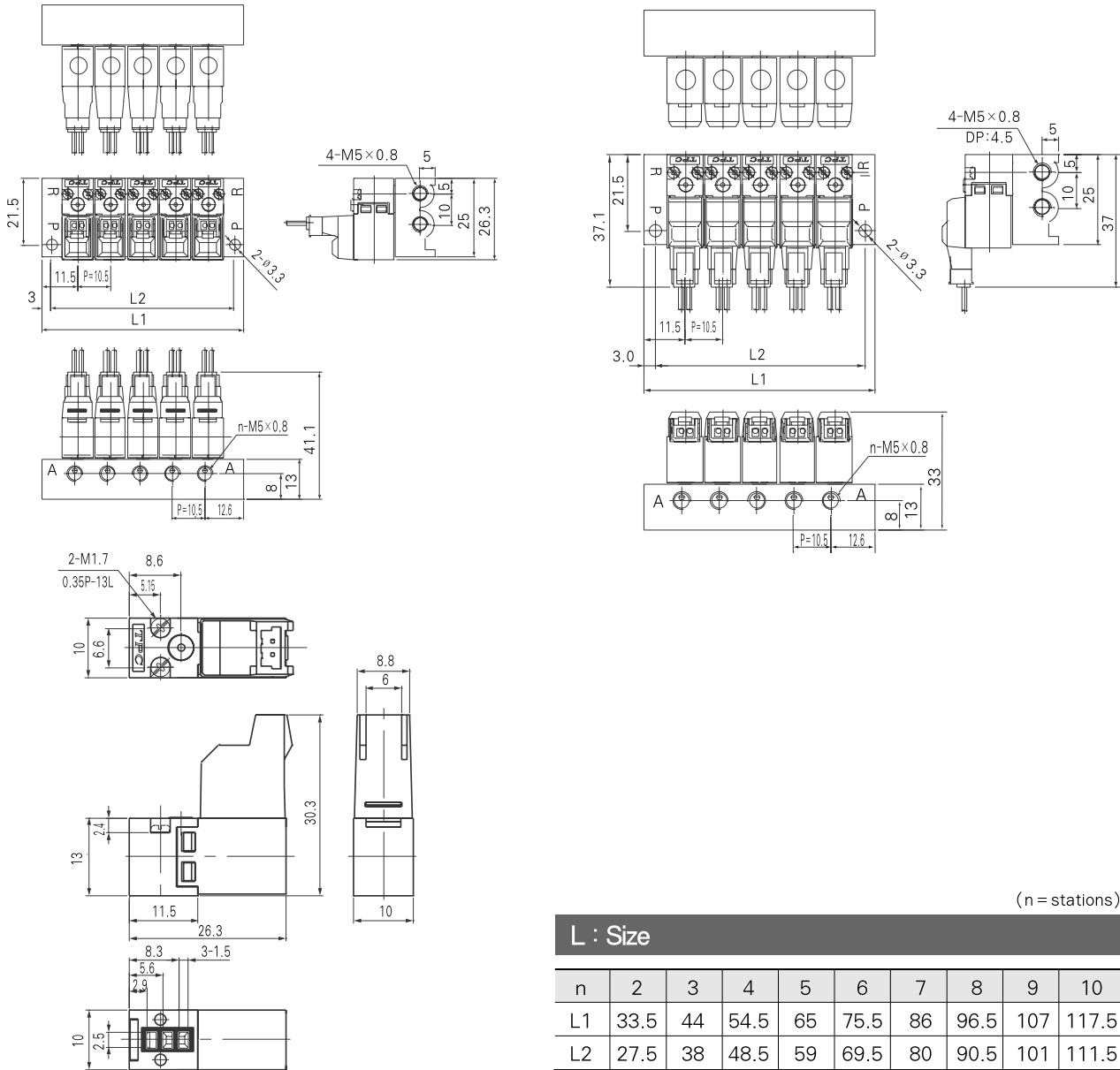
- 1 Series DV100 Manifold**
10mm Body Size Valve

2 Manifold Specifications
40 : Base Mounted
- 3 Stations**
01 : 1 Stations
02 : 2 Stations
03 : 3 Stations

10 : 10 Stations

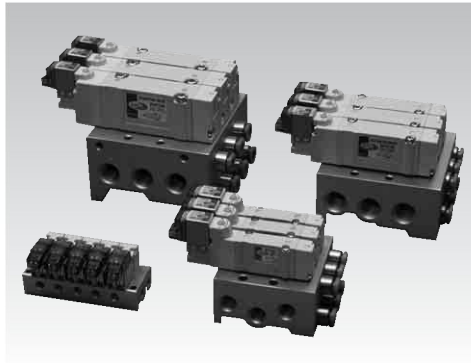
* other 10 over Stations can be manufactured upon receipt of order.

Dimensions (DVM100)



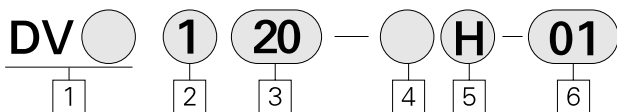
Series DV1000 · 3000 · 4000

5Port Pilot Solenoid Valve



- **Quick response time & large flow capacity**
 - Response time of less than 12ms (At standard DV1000)
 - Increase in effective cross sectional area (It is increased approximately 2.5 times compared with the same level series from before)
 - Low consumer electric power 1.0W (240V, 41mA)
- **High Reliability**
 - Long life
 - Wear Ring attached → The spool side prevents abrasion
 - Uses U Packing → Minimizes frictional resistance
 - In the case of restoration, select the Piston Return mode
- **Changing the exterior to a 'state of the art' design**
 - White color tone → changing the exterior to a 'state of the art' design
 - Elegant compact size and exterior
- **Product diversity**
 - Easy wiring with a basic nonpolar coil type
 - Prevents dust and noise during the pilot exhaustion with its exhaust collection system
 - The basic type is unable to be used in the winter
 - Easy attachment of the gasket when putting it in the manifold (additional gasket protrusion figure)
 - Common use of the push & lock mode manually

How to order

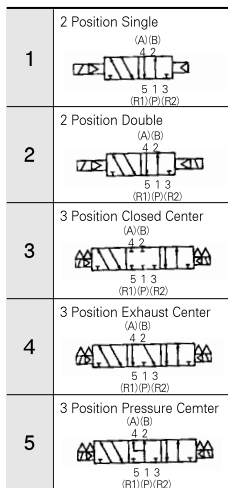


1 Valve Series

- 1 : DV1000 Series
- 3 : DV3000 Series
- 4 : DV4000 Series

2 Configuration

- 1 : Single Solenoid
- 2 : Double Solenoid
- 3 : Closed Center
- 4 : Exhaust Center
- 5 : Pressure Center



3 Manifold Specifications

- 20 : Body Ported
- 40 : Base Mounted

4 Voltage

- * 1 : AC110V
- * 2 : AC220V
- * 5 : DC24V
- * 6 : DC12V
- * : Option

5 Electrical Entry

- H : Horizontal
- V : Vertical

6 Port Size

- Blank : No Sub Plate
- M5 : M5×0.8 (Series DV1000)
- 01 : Rc(PT) 1/8 (Series DV3000)
- 02 : Rc(PT) 1/4 (Series DV4000)

※ When using the TPC valve be sure to use the TPC gasket
 ※ It is standard to attach the LAMP/SURGE voltage protection circuit. (Products without a LAMP or SURGE voltage protection circuit should be contacted separately)

Body Ported

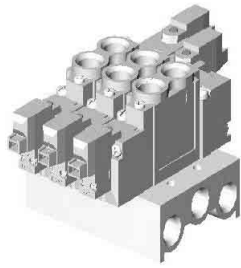
Valve Model	Configuration		Port Size	Weight(g)
DV1○20 - ○ - M5	2Position	Single	M5×0.8	52
		Double		64
	3Position	Closed Center		68
		Exhaust Center		68
		Pressure Center		68
DV3○20 - ○ - 01	2Position	Single	Rc(PT) 1/8	120
		Double		134
	3Position	Closed Center		142
		Exhaust Center		142
		Pressure Center		142
DV4○20 - ○ - 02	2Position	Single	Rc(PT) 1/4	124
		Double		136
	3Position	Closed Center		144
		Exhaust Center		144
		Pressure Center		144

Base Mounted

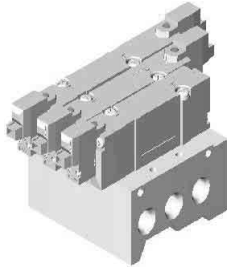
Valve Model	Configuration		Port Size		Weight(g)
			P, R1, R2	A, B	
DV1○40 - ○ - M5	2Position	Single	Rc(PT) 1/8	M5×0.8	46
		Double			58
	3Position	Closed Center			62
		Exhaust Center			62
		Pressure Center			62
DV3○40 - ○ - 01	2Position	Single	Rc(PT) 1/4	Rc(PT) 1/8	92
		Double			106
	3Position	Closed Center			114
		Exhaust Center			114
		Pressure Center			114
DV4○40 - ○ - 02	2Position	Single	Rc(PT) 3/8	Rc(PT) 1/4	80
		Double			96
	3Position	Closed Center			104
		Exhaust Center			104
		Pressure Center			104

Series DV1000 · 3000 · 4000

Construction



Body ported (DV ** 20)



Base Mounted (DV ** 40)

Specifications

Series		DV1000	DV3000	DV4000
Acting		5 Port Pilot Type Solenoid Valve(Rubber Seal)		
Fluid		Air		
Operating Pressure Range	2Position Single	0.15~0.7MPa(1.5~7.1kgf/cm ²)		
	2Position Double	0.1~0.7MPa(1~7.1kgf/cm ²)		
	3 Position	0.2~0.7MPa(2~7.1kgf/cm ²)		
Ambient and Fluid Temperature		Max. 50℃		
Manual Override		Push&Lock Type		
Lubrication		Not Required		
Mounting Position		Free		
Impact/Vibration Resistance(%)		150/30(8.3~2000Hz)		
Max. Operating Frequency	2Position	10	5	5
	3 Position	3	3	3
Protection Structure		Dust proof (DIN connector 1965)		
Lead Electrical Entry		Connector Mounting Type(H:Horizontal, V:Vertical)		
Voltage		DC24V, AC110V*, AC220V*		
Voltage Allowance		-10~+10% of Rated Voltage		
Polarity		Non-polar (standard)		
Response Time(ms)	5kgf/cm ²	~12ms	~18 ms	~30ms
Power Consumption(W)		1.0(Indicator Light and Surge suppressor)		
Effective Orifice	Single	3.6mm ² (Cv0.2)	9.0mm ² (Cv0.5)	16.2mm ² (Cv0.9)

* : Option

Series DV1000 · 3000 · 4000 Body Ported Type Effective Orifice and Reponse Time

Type	Valve Model	Port Size Rc(PT)	Configuration		Operating Pressure Range Mpa(psi)	Effective Orifice (mm ²) (Cv)	Response Time (ms)
5PORT Body Ported	DV 1120	M5	2	Single	0.15~0.70 (20~100)	3.6 (0.20)	12
	DV 1220			Double	0.10~0.70 (14~100)	3.6 (0.20)	10
	DV 1320		3	Closed Center	0.20~0.70 (27~100)	3.3 (0.18)	16
	DV 1420			Exhaust Center	0.20~0.70 (27~100)	3.3 (0.18)	16
	DV 1520			Pressure Center	0.20~0.70 (27~100)	3.6 (0.20)	16
	DV 3120	Rc(PT) 1/8	2	Single	0.15~0.70 (20~100)	9.0 (0.50)	18
	DV 3220			Double	0.10~0.70 (14~100)	9.0 (0.50)	18
	DV 3320		3	Closed Center	0.20~0.70 (27~100)	7.2 (0.40)	32
	DV 3420			Exhaust Center	0.20~0.70 (27~100)	7.2 (0.40)	32
	DV 3520			Pressure Center	0.20~0.70 (27~100)	9.5 (0.53)	32
	DV 4120	Rc(PT) 1/4	2	Single	0.15~0.70 (20~100)	16.2 (0.90)	30
	DV 4220			Double	0.10~0.70 (14~100)	16.2 (0.90)	30
	DV 4320		3	Closed Center	0.20~0.70 (27~100)	10.8 (0.60)	50
	DV 4420			Exhaust Center	0.20~0.70 (27~100)	10.8 (0.60)	50
	DV 4520			Pressure Center	0.20~0.70 (27~100)	17.1 (0.96)	50

DV1000 · 3000 · 4000 Base Mounted Type Effective Orifice and Reponse Time

Type	Valve Model	Port Size		Configuration	Operating Pressure Range Mpa(psi)	Effective Orifice (mm ²) (Cv)	Response Time (ms)
		P, R1, R2	A, B				
5PORT Base Mounted	DV 1140	Rc(PT) 1/8	M5×0.8	2	Single	0.15~0.70 (20~100)	4.0 (0.22)
	DV 1240				Double	0.10~0.70 (14~100)	4.0 (0.22)
	DV 1340			3	Closed Center	0.20~0.70 (27~100)	3.6 (0.20)
	DV 1440				Exhaust Center	0.20~0.70 (27~100)	3.6 (0.20)
	DV 1540				Pressure Center	0.20~0.70 (27~100)	3.8 (0.21)
	DV 3140	Rc(PT) 1/4	Rc(PT) 1/8	2	Single	0.15~0.70 (20~100)	9.5 (0.53)
	DV 3240				Double	0.10~0.70 (14~100)	9.5 (0.53)
	DV 3340			3	Closed Center	0.20~0.70 (27~100)	7.2 (0.40)
	DV 3440				Exhaust Center	0.20~0.70 (27~100)	7.2 (0.40)
	DV 3540				Pressure Center	0.20~0.70 (27~100)	10.0 (0.55)
	DV 4140	Rc(PT) 3/8	Rc(PT) 1/4	2	Single	0.15~0.70 (20~100)	16.2 (0.90)
	DV 4240				Double	0.10~0.70 (14~100)	16.2 (0.90)
	DV 4340			3	Closed Center	0.20~0.70 (27~100)	10.8 (0.60)
	DV 4440				Exhaust Center	0.20~0.70 (27~100)	10.8 (0.60)
	DV 4540				Pressure Center	0.20~0.70 (27~100)	17.1 (0.96)

Cylinder Speed Chart

Body Ported

Series	Cylinder speed (mm/s)	Cylinder Bore Size (mm)											
		Series ACP Pressure 0.5MPa Load factor 50% Cylinder Stroke 100mm			Series AX Pressure 0.5MPa Load factor 50% Cylinder Stroke 300mm				Series AM Pressure 0.5MPa Load factor 50% Cylinder Stroke 500mm				
		ø 6	ø 10	ø 16	ø 20	ø 25	ø 32	ø 40	ø 40	ø 50	ø 63	ø 80	ø 100
DV1120 - M5 Cv=0.20	100												
	200												
	300												
	400												
	500												
DV3120 - 01 Cv=0.50	100												
	200												
	300												
	400												
	500												
	600												
	700												
DV4120 - 02 Cv=0.90	100												
	200												
	300												
	400												
	500												
	600												
	700												

Base Mounted (with sub-plate)

Series	Cylinder speed (mm/s)	Cylinder Bore Size (mm)											
		Series ACP Pressure 0.5MPa Load factor 50% Cylinder Stroke 100mm			Series AX Pressure 0.5MPa Load factor 50% Cylinder Stroke 300mm				Series AM Pressure 0.5MPa Load factor 50% Cylinder Stroke 500mm				
		ø 6	ø 10	ø 16	ø 20	ø 25	ø 32	ø 40	ø 40	ø 50	ø 63	ø 80	ø 100
DV1140 - M5 Cv=0.22	100												
	200												
	300												
	400												
	500												
	600												
	700												
DV3140 - 01 Cv=0.53	100												
	200												
	300												
	400												
	500												
	600												
	700												
DV4140 - 02 Cv=0.90	100												
	200												
	300												
	400												
	500												
	600												
	700												

Conditions

Body Ported		Series ACP	Series AX	Series AM	Base Mounted		Series ACP	Series AX	Series AM
DV1120 - M5 Cv=0.20	Tube bore×length	ø 4 × 1m			DV1140 - M5 Cv=0.22	Tube bore×length	ø 4 × 1m		
	Speed controller	SP1201F-M5-04				Speed controller	SP1201F-M5-04		
	Silencer	SN120-M5				Silencer	SN110-01		
DV3120 - 01 Cv=0.50	Tube bore×length	ø 6 × 1m	ø 8 × 1m		DV3140 - 01 Cv=0.53	Tube bore×length	ø 6 × 1m	ø 8 × 1m	
	Speed controller	SP1201F-M5-06	SP3201F-03-08S			Speed controller	SP1201F-M5-06	SP3201F-03-08S	
	Silencer	SN110-01				Silencer	SN110-01		
DV4120 - 02 Cv=0.90	Tube bore×length	ø 6 × 1m	ø 10 × 1m		DV4140 - 02 Cv=0.90	Tube bore×length	ø 6 × 1m	ø 10 × 1m	ø 12 × 1m
	Speed controller	SP1201F-M5-06	SP3201F-04-10S			Speed controller	SP1201F-M5-06	SP4201F-04-10S	SP4201F-04-12S
	Silencer	SN200-02				Silencer	SN200-02		

DW

DS

DV

DX2

DP

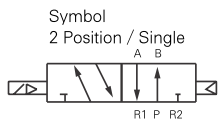
DM

DH

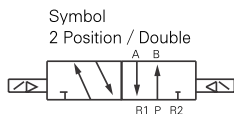
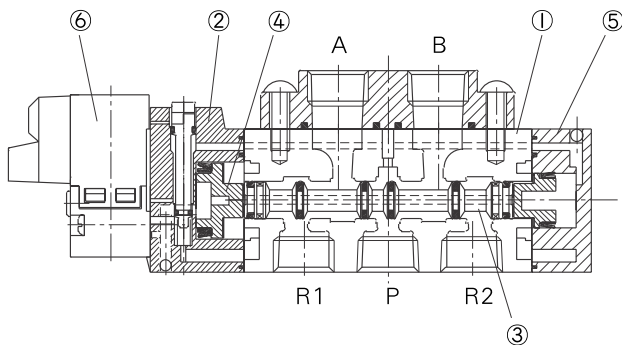
DT

DC

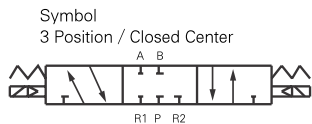
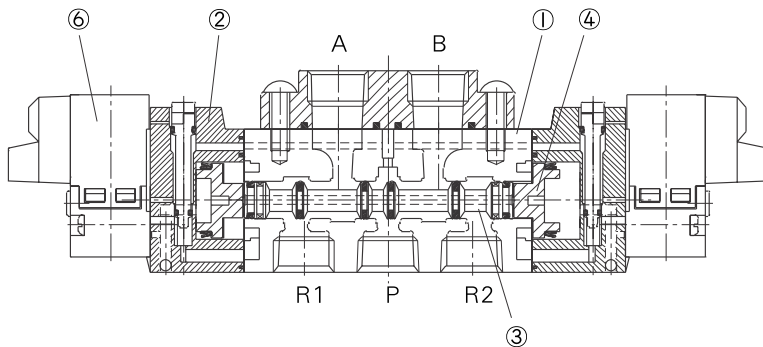
Construction / Body Ported



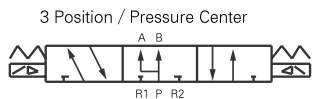
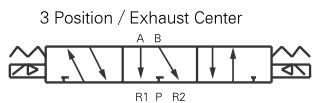
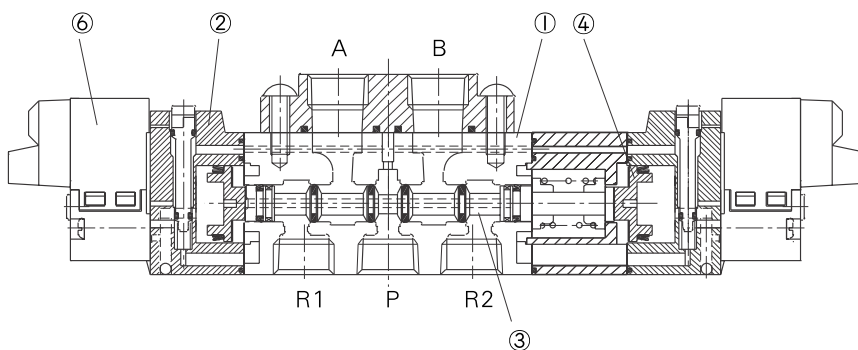
2 Position Single



2 Position Double

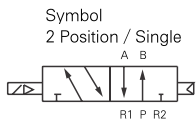


3 Position Closed Center / Exhaust Center / Pressure Center

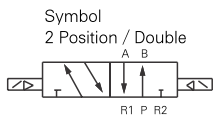
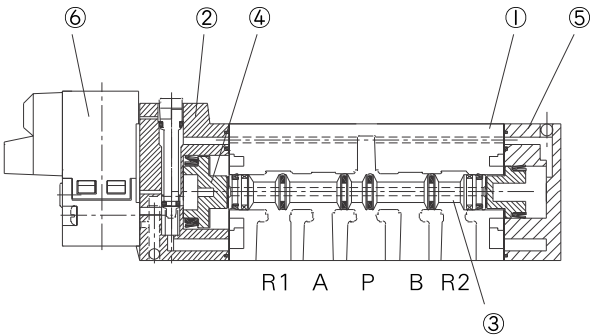


Component Ports			
No.	Description	Material	Note
1	BODY	Aluminum Die Cast	(DV4000Aluminum Die Cast)
2	ADAPTER PLATE	Resin	
3	SPOOL	Aluminum	
4	PISTON	Resin	
5	END COVER	Resin	
6	SOLENOID ASSY.	-	

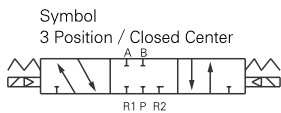
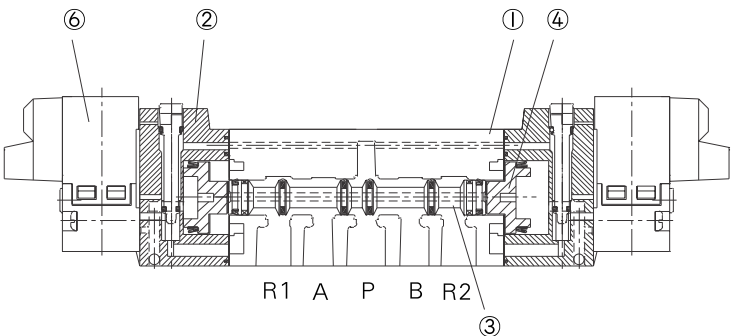
Construction / Base Mounted



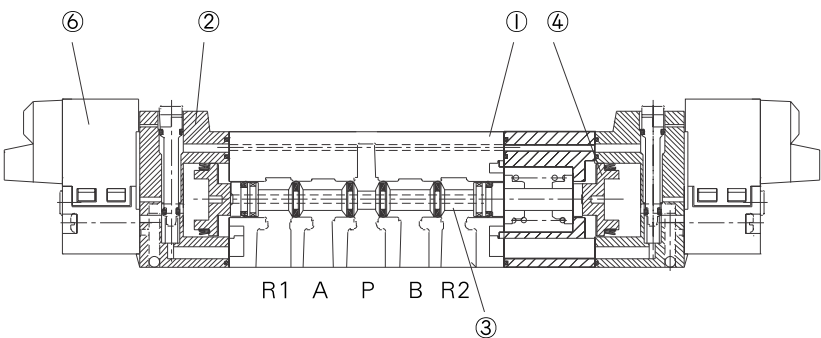
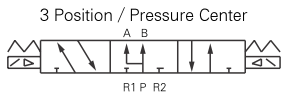
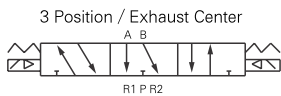
2 Position Single



2 Position Double



3 Position Closed Center / Exhaust Center / Pressure Center



Component Parts

No.	Description	Material	Note
1	BODY	Aluminum die Cast	(DV4000Aluminum die Cast)
2	ADAPTER PLATE	Resin	
3	SPOOL	Aluminum	
4	PISTON	Resin	
5	END COVER	Resin	
6	SOLENOID ASSY.		

DW

DS

DV

DX2

DP

DM

DH

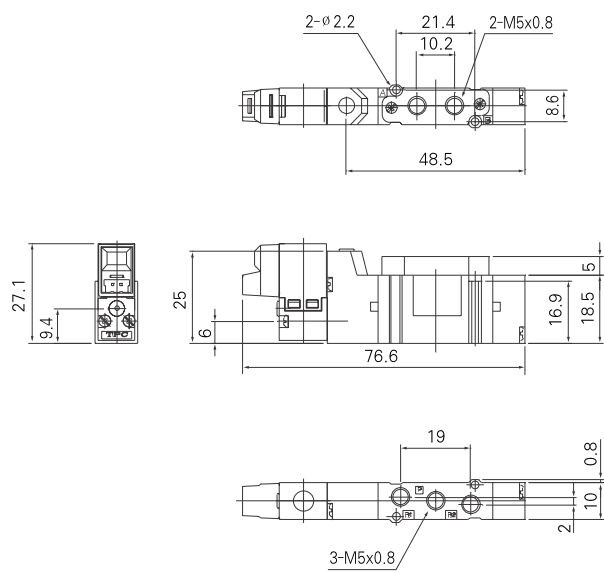
DT

DC

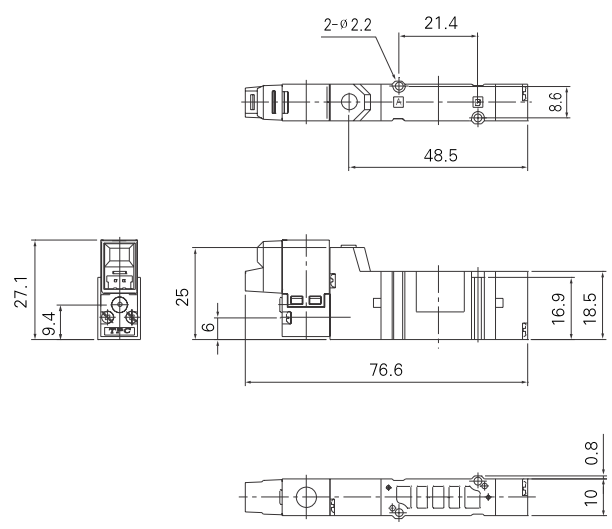
Series DV1000 · 3000 · 4000

Series DV1000 / 2 Position / H: Horizontal Connector Type

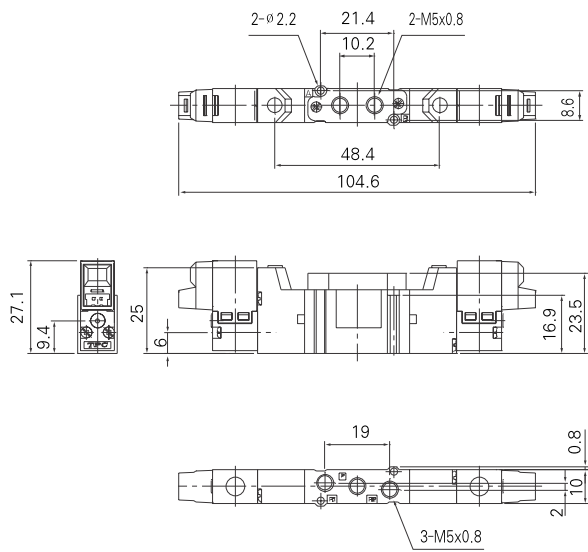
DV1120 Single / Body Ported



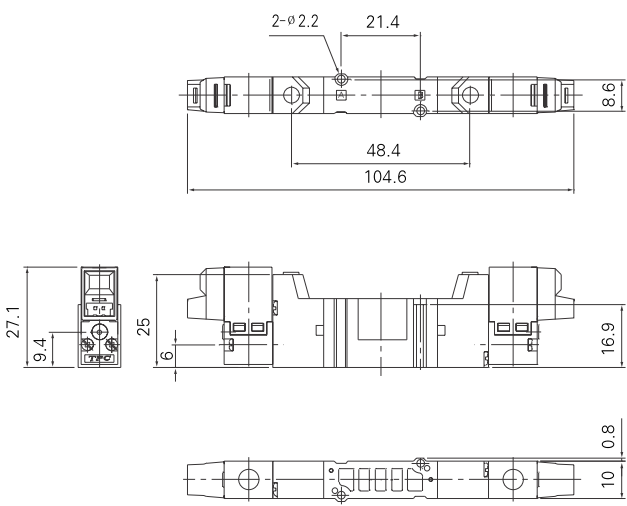
DV1140 Single / Base Mounted



DV1220 Double / Body Ported

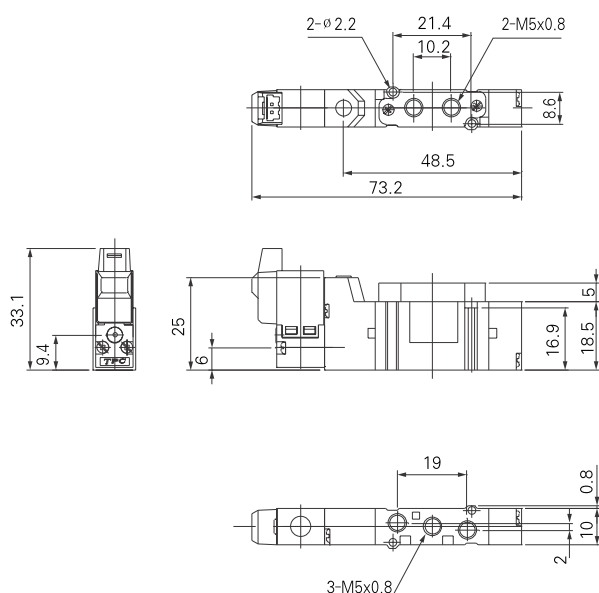


DV1240 Double / Base Mounted

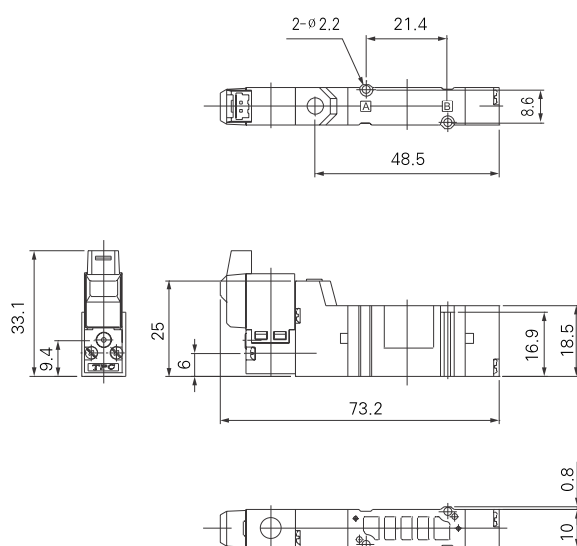


Series DV1000 / 2 Position / V: Vertical Connector Type

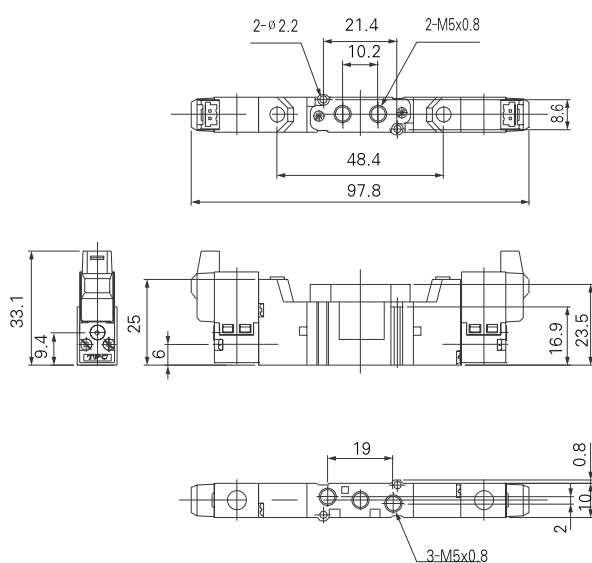
DV1120 Single / Body Ported



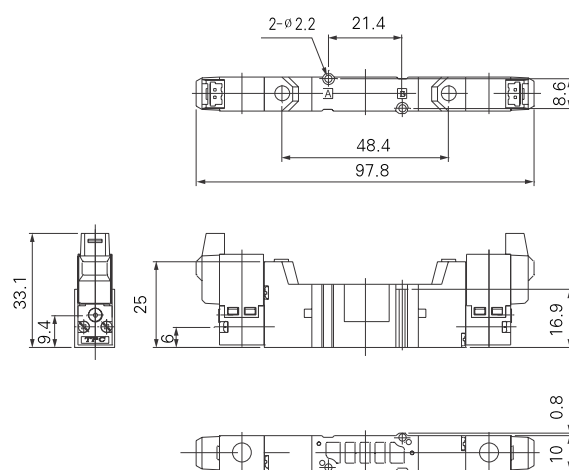
DV1140 Single / Base Mounted



DV1220 Double / Body Ported



DV1240 Double / Base Mounted



DW

DS

DV

DX2

DP

DM

DH

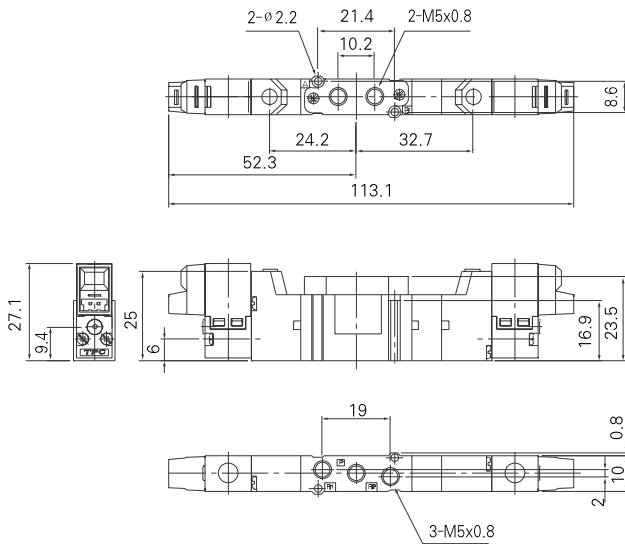
DT

DC

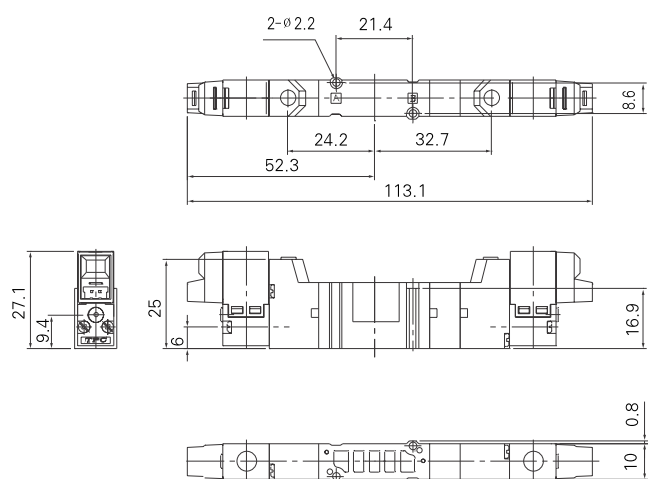
Series DV1000 · 3000 · 4000

Series DV1000 / 3 Position / H: Horizontal Connector Type

DV1320 3 Position / Body Ported

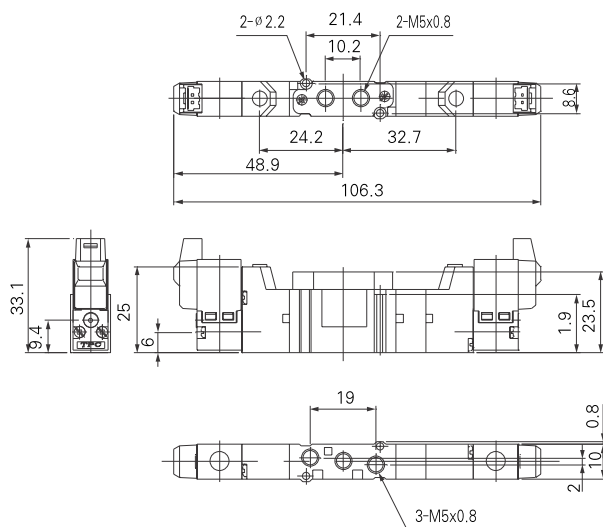


DV1340 3 Position / Base Mounted

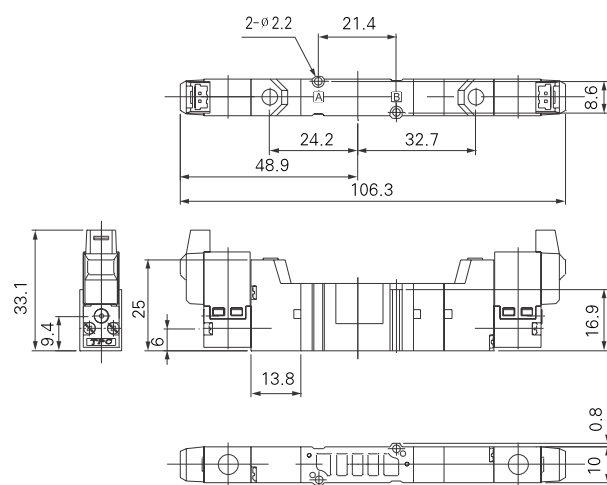


Series DV1000 / 3 Position / V: Vertical Connector Type

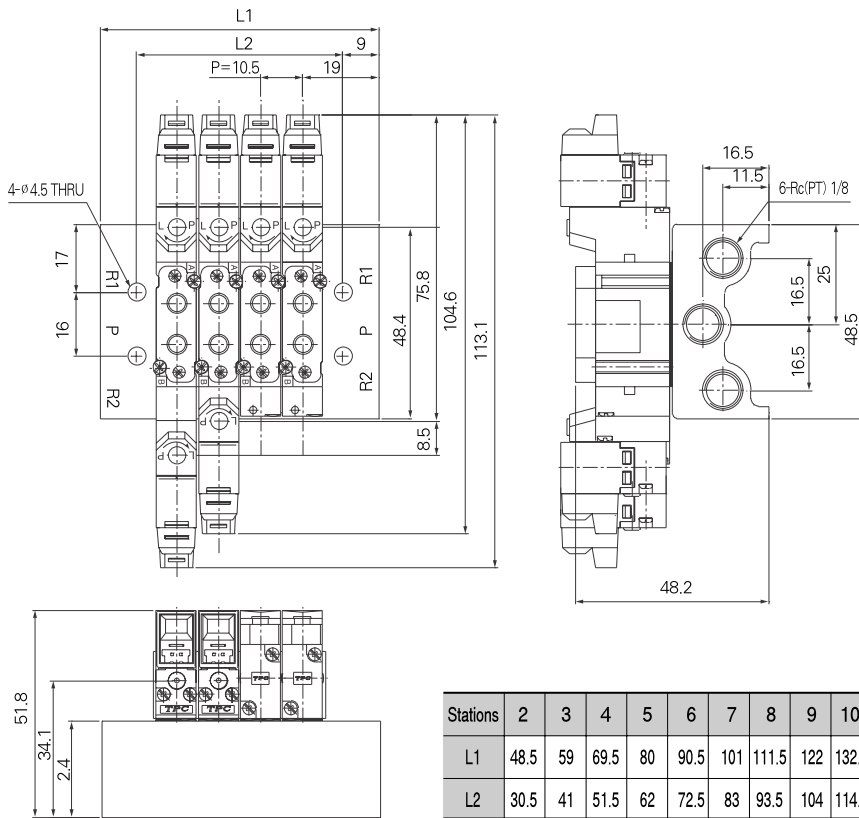
DV1320 3 Position / Body Ported



DV1340 3 Position / Base Mounted



Dimensions / Series DV1000 (Body Ported) / H: Horizontal Connector Type



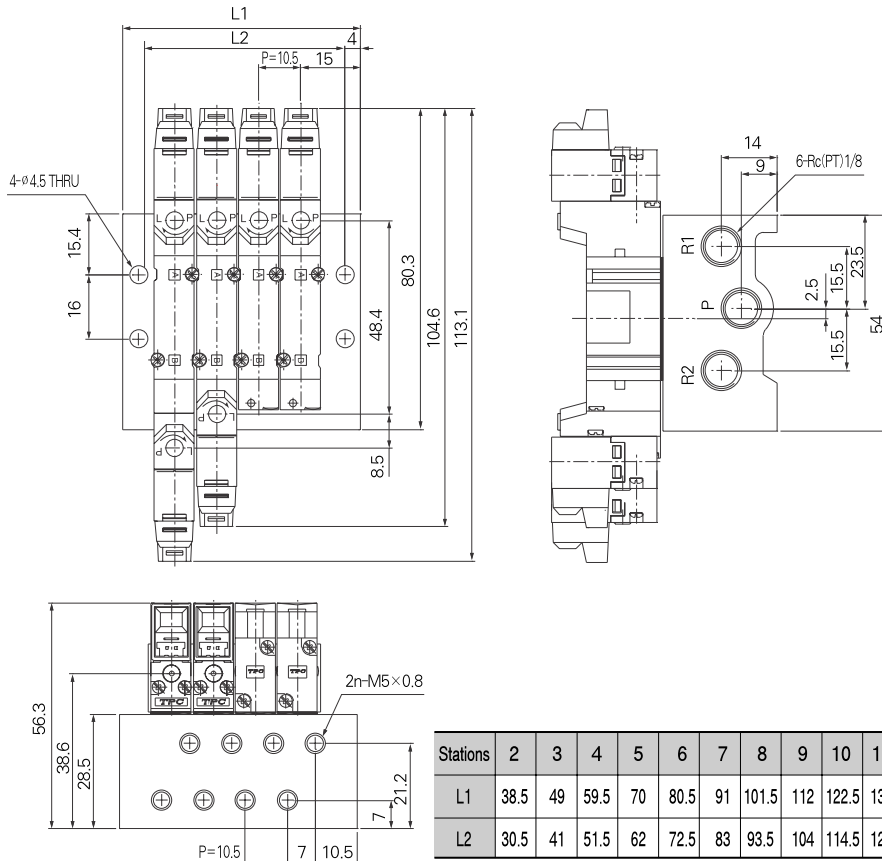
How to order

DVM1 — **20** — **05**

1 2 3

1 DV1000 Series Manifold
2 Body Ported Type
3 Stations (2~20)

Dimensions / Series DV1000 (Base Mounted) / H: Horizontal Connector Type



How To Order

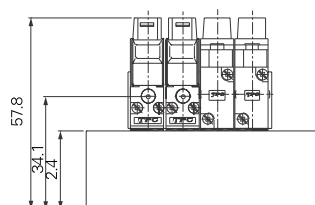
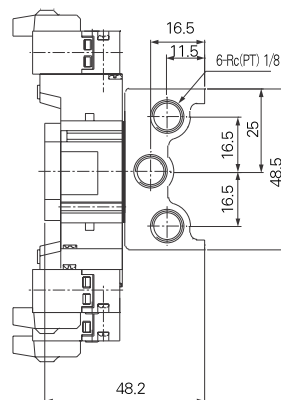
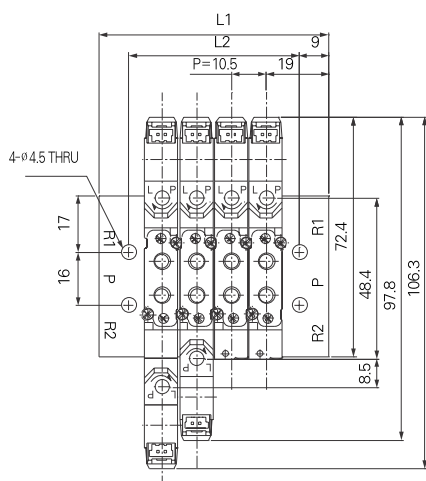
DVM1 — **40** — **05**

1 2 3

1 DV1000 Series Manifold
2 Base Mounted type
3 Stations (2~20)

Series DV1000 · 3000 · 4000

Dimensions / Series DV1000 (Body Ported) / V: Vertical Connector Type



How To Order

DVM1 — **20** — **05**

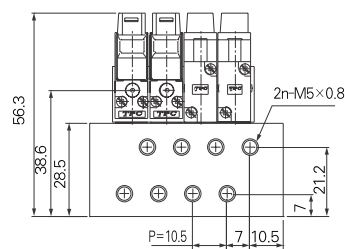
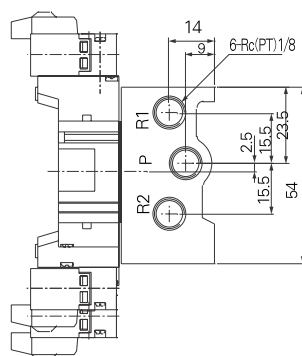
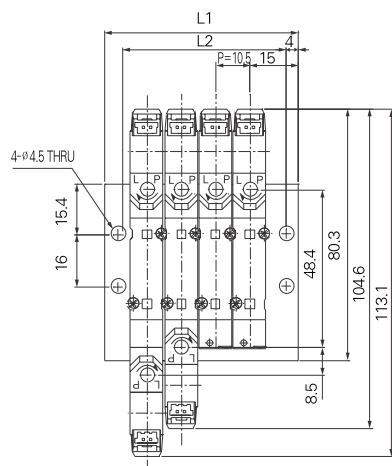
1 2 3

- 1 DV1000 Series Manifold
- 2 Body Ported Type
- 3 Stations (2~20)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	48.5	59	69.5	80	90.5	101	111.5	122	132.5	143	153.5	164	174.5	185	195.5	206	216.5	227	237.5
L2	30.5	41	51.5	62	72.5	83	93.5	104	114.5	125	135.5	146	156.5	167	177.5	188	198.5	209	219.5

(mm)

Dimensions / Series DV1000 (Base Mounted) / V: Vertical Connector Type



How To Order

DVM1 — **40** — **05**

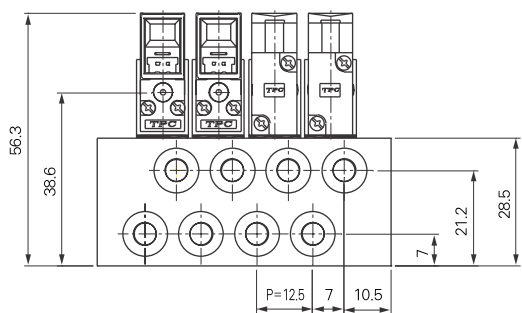
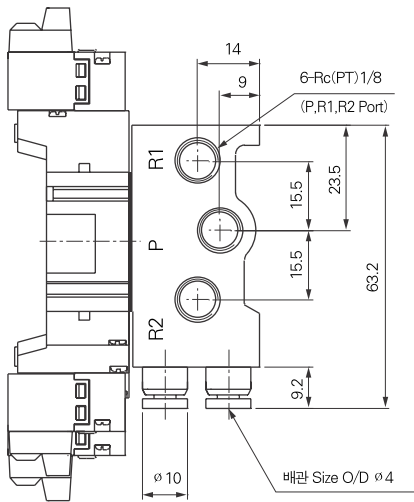
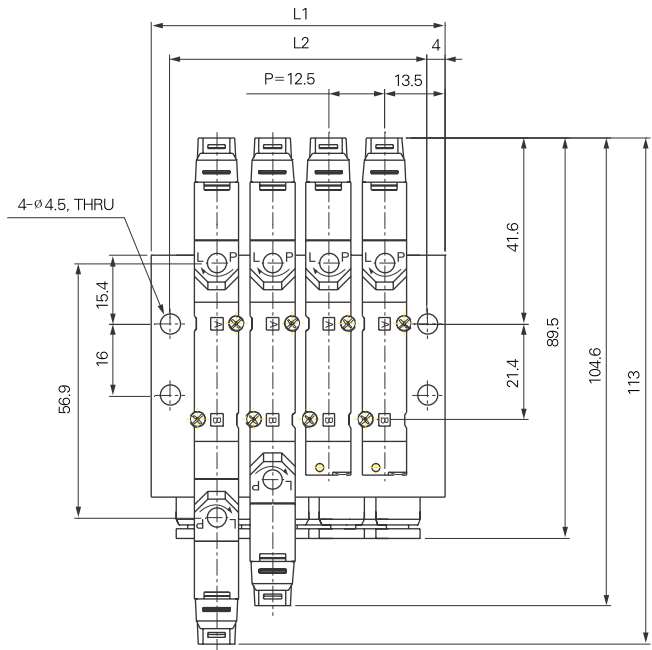
1 2 3

- 1 DV1000 Series Manifold
- 2 Base Mounted type
- 3 Stations (2~20)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	38.5	49	59.5	70	80.5	91	101.5	112	122.5	133	143.5	154	164.5	175	185.5	196	206.5	217	227.5
L2	30.5	41	51.5	62	72.5	83	93.5	104	114.5	125	135.5	146	156.5	167	177.5	188	198.5	209	219.5

(mm)

Dimensions / Series DV1000 Base Mounted / With Fitting



How To Order

DVM1 — 40 — 05 — T4

1 2 3 4

- 1 DV1000 Series Manifold
- 2 Base Mounted Type
- 3 Stations (2~20)
- 4 Cylinder Port Mounted Tube Size $\phi 4$

(mm)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	40.5	53	65.5	78	90.5	103	115.5	128	140.5	153	165.5	178	190.5	203	215.5	228	240.52	253	265.5
L2	32.5	45	57.5	70	82.5	95	107.5	120	132.5	145	157.5	170	182.5	195	207.5	220	232.5	245	257.5

DW

DS

DV

DX2

DP

DM

DH

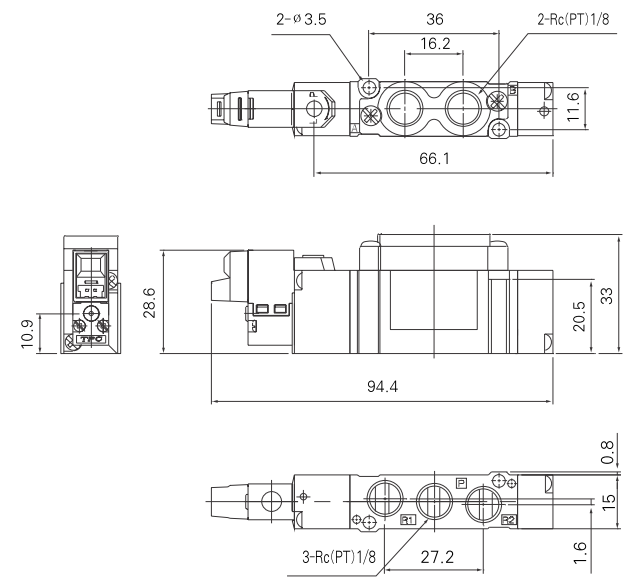
DT

DC

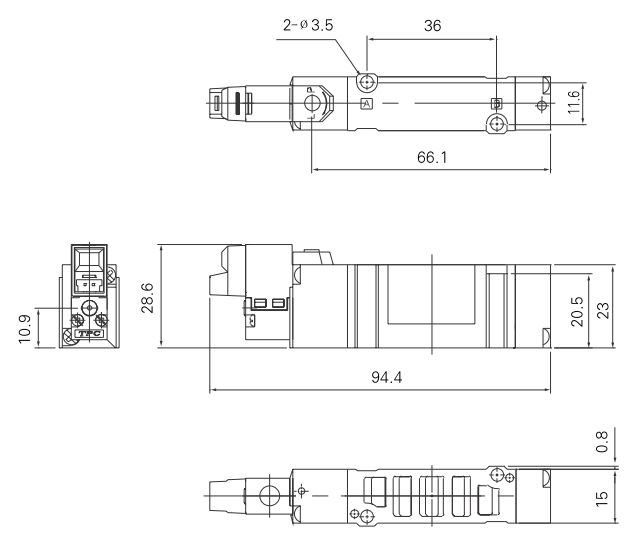
Series DV1000 · 3000 · 4000

Series DV3000 / 2 Position / H: Horizontal Connector Type

DV3120 Single / Body Ported

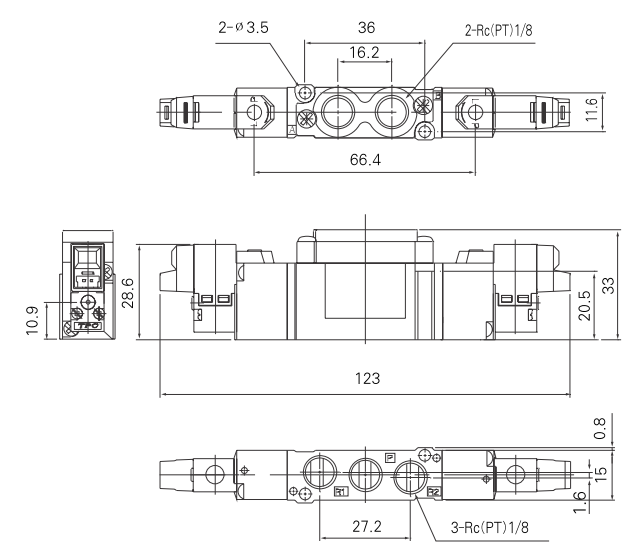


DV3140 Single / Base Mounted

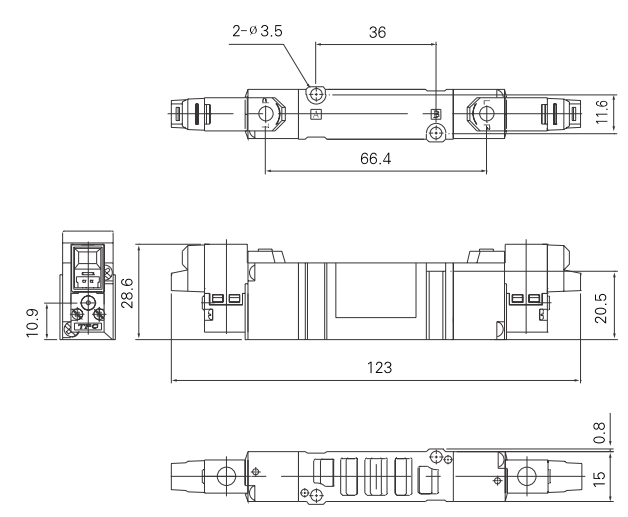


Series DV3000 / 2 Position / H: Horizontal Connector Type

DV3220 Double / Body Ported

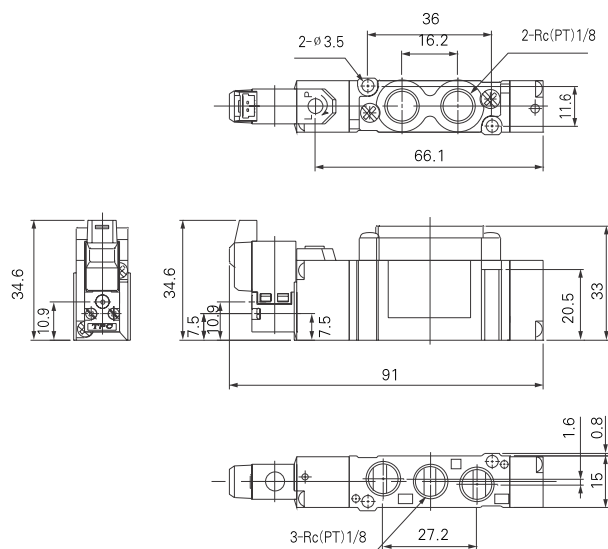


DV3240 Double / Base Mounted

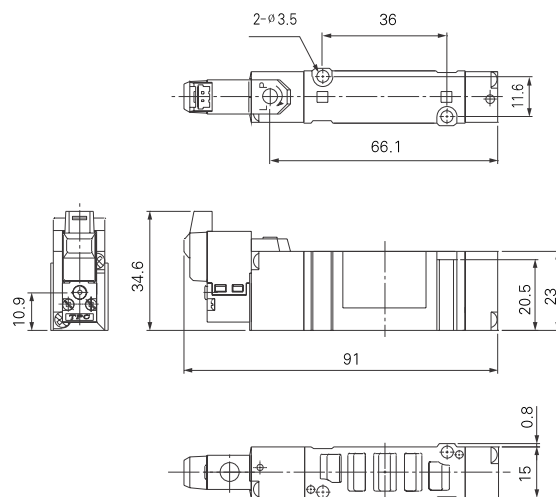


Series DV3000 / 2 Position / V: Vertical Connector Type

DV3120 Single / Body Ported

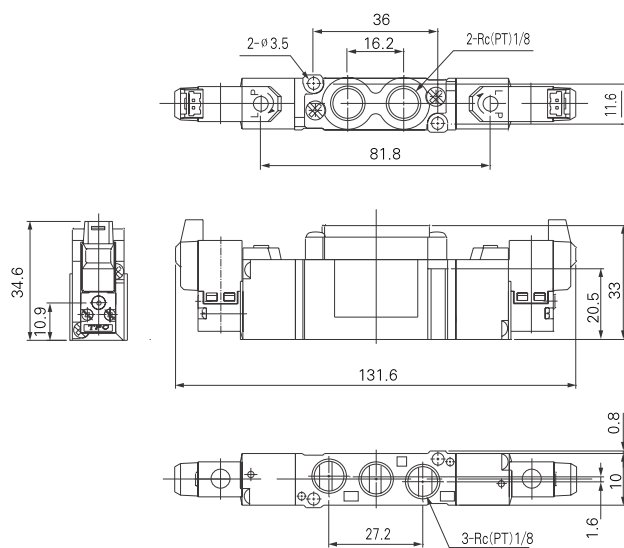


DV3140 Single / Base Mounted

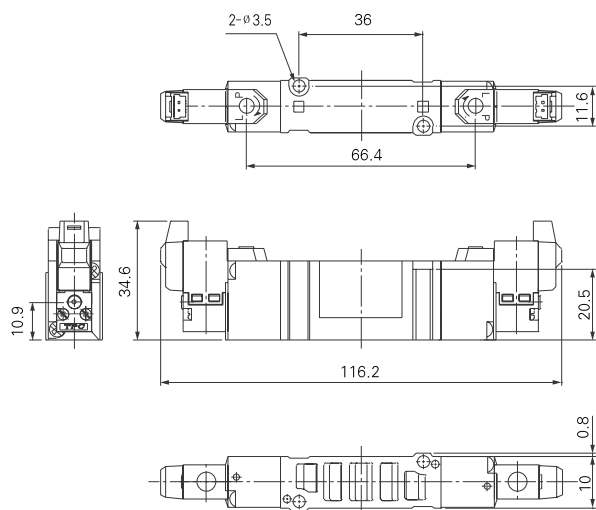


Series DV3000 / 2 Position / V: Vertical Connector Type

DV3220 Double / Body Ported



DV3240 Double / Base Mounted



DW

DS

DV

DX2

DP

DM

DH

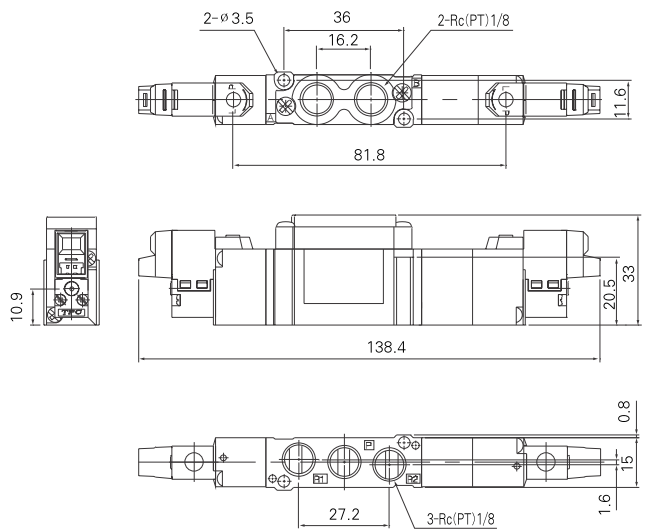
DT

DC

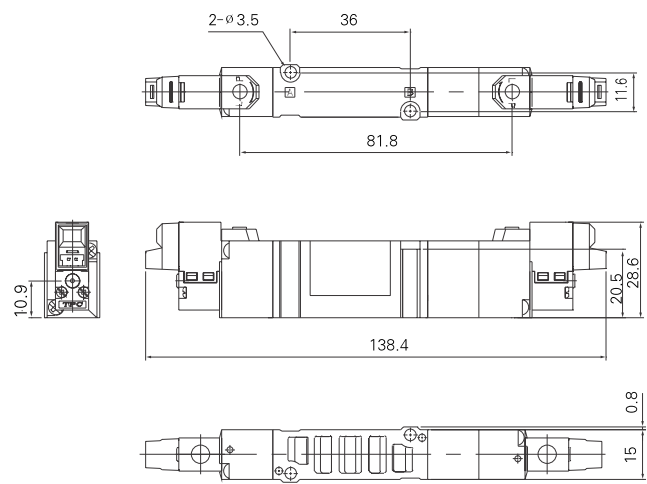
Series DV1000 · 3000 · 4000

Series DV3000 / 3 Position / H: Horizontal Connector Type

DV3320 3 Position / Body Ported

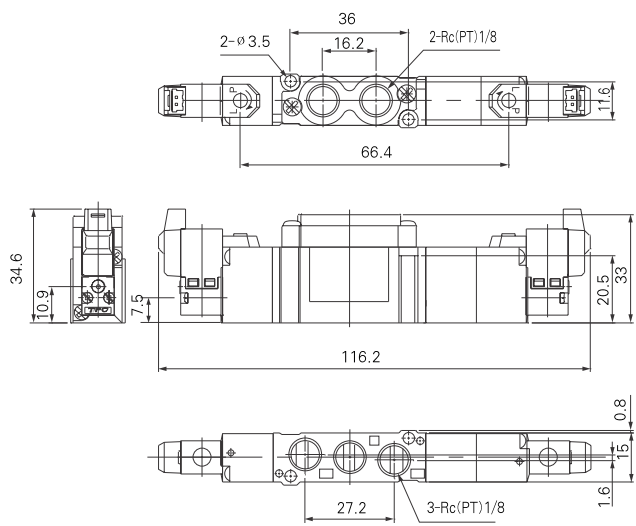


DV3340 3 Position / Base Mounted

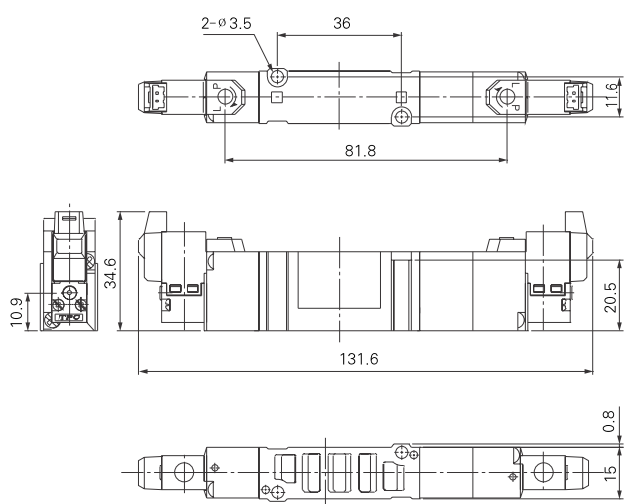


Series DV3000 / 3 Position / V: Vertical Connector Type

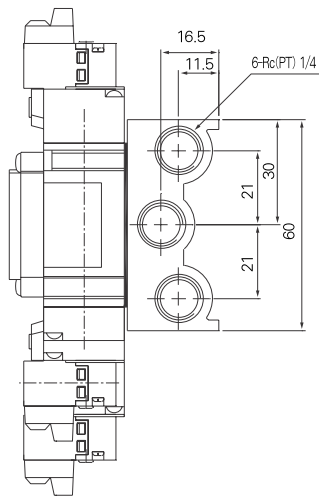
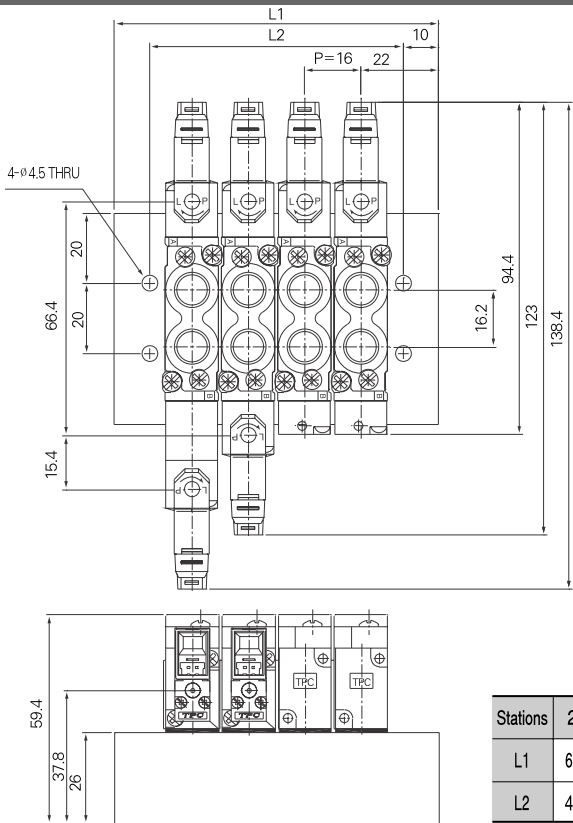
DV3320 3 Position / Body Ported



DV3340 Position / Base Mounted



Dimensions / Series DV3000 Body Ported / H: Horizontal Connector Type



How To Order

DVM3 — **20** — **05**

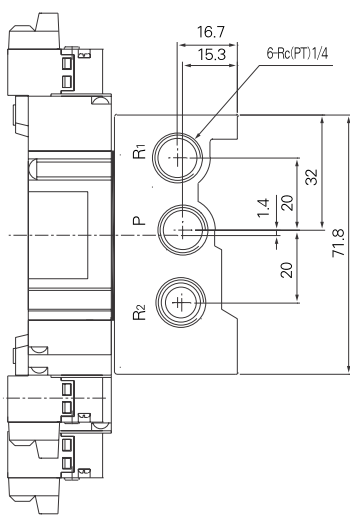
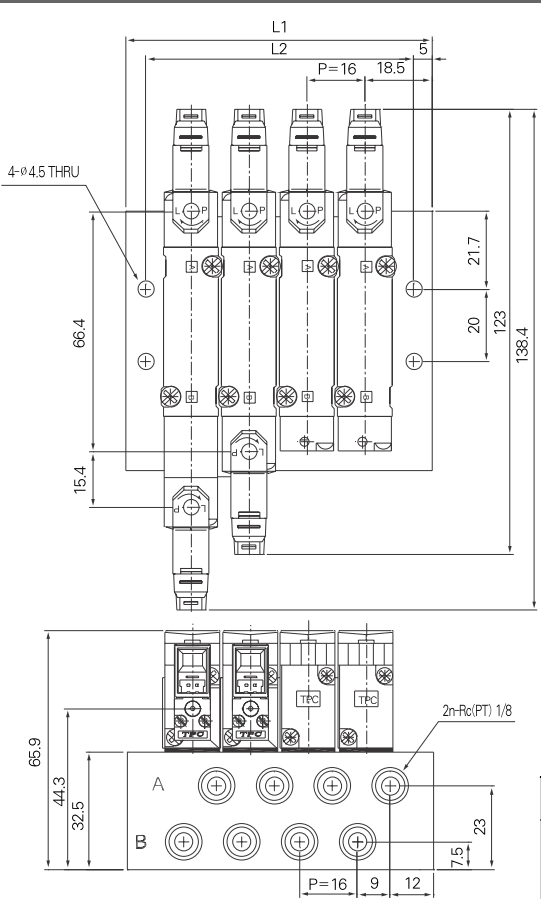
1 2 3

1 DV3000 Series Manifold
2 Body Ported Type
3 Stations (2~20)

(mm)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	60	76	92	108	124	140	156	172	188	204	220	236	252	268	284	300	316	332	348
L2	40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312	328

Dimensions / Series DV3000 Base Mounted / H: Horizontal Connector Type



How To Order

DVM3 — **40** — **05**

1 2 3

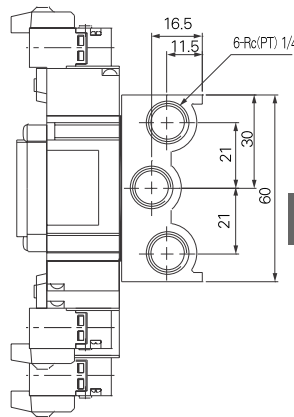
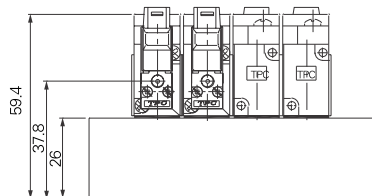
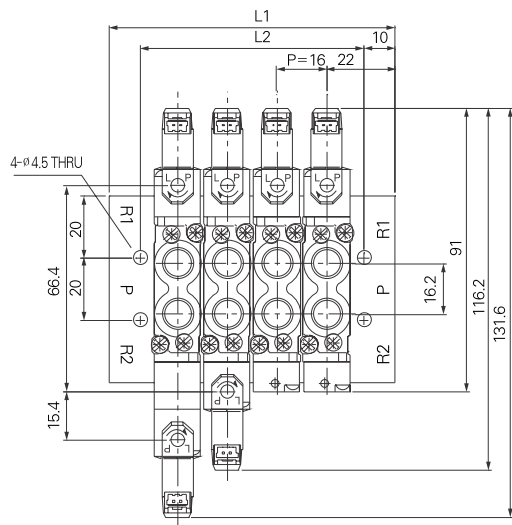
1 DV3000 Series Manifold
2 Base Mounted Type
3 Stations (2~20)

(mm)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	52.5	68.5	84.5	100.5	116.5	132.5	148.5	164.5	180.5	196.5	212.5	228.5	244.5	260.5	276.5	292.5	308.5	324.5	340.5
L2	42	58	74	90	106	122	138	154	170	188	202	218	234	250	266	282	298	314	330

Series DV1000 · 3000 · 4000

Dimensions / Series DV3000 Body Ported / V: Vertical Connector Type



How To Order

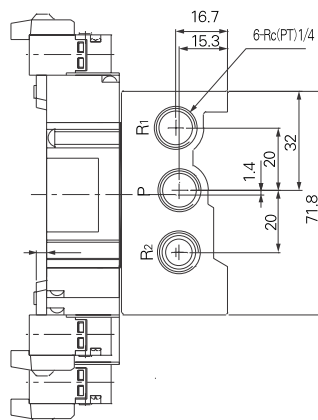
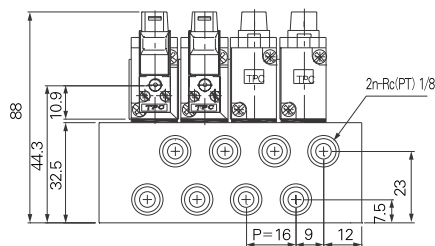
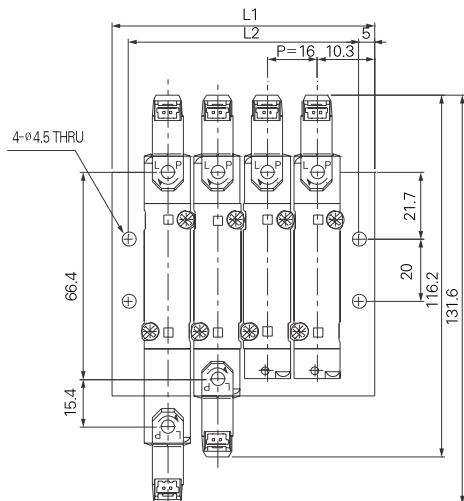
DVM3 — **20** — **05**

1 2 3

- 1 DV3000 Series Manifold
- 2 Body Ported Type
- 3 Stations (2~20)

		(mm)																		
Stations		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1		60	76	92	108	124	140	156	172	188	204	220	236	252	268	284	300	316	332	348
L2		40	56	72	88	104	120	136	152	168	184	200	216	232	248	264	280	296	312	328

Dimensions / Series DV3000 Base Mounted / V: Vertical Connector Type



How To Order

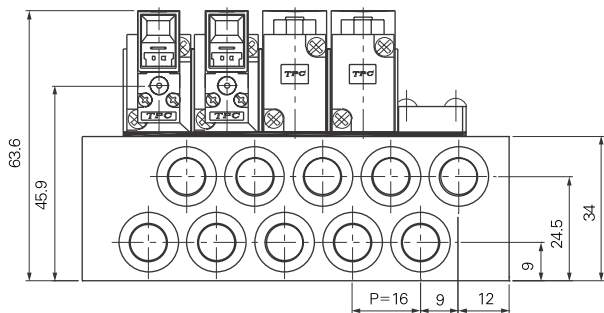
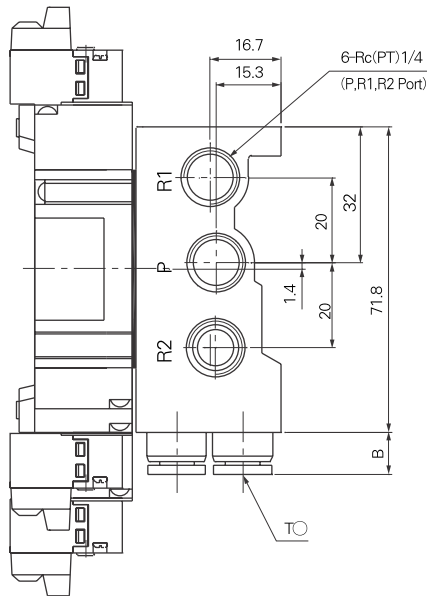
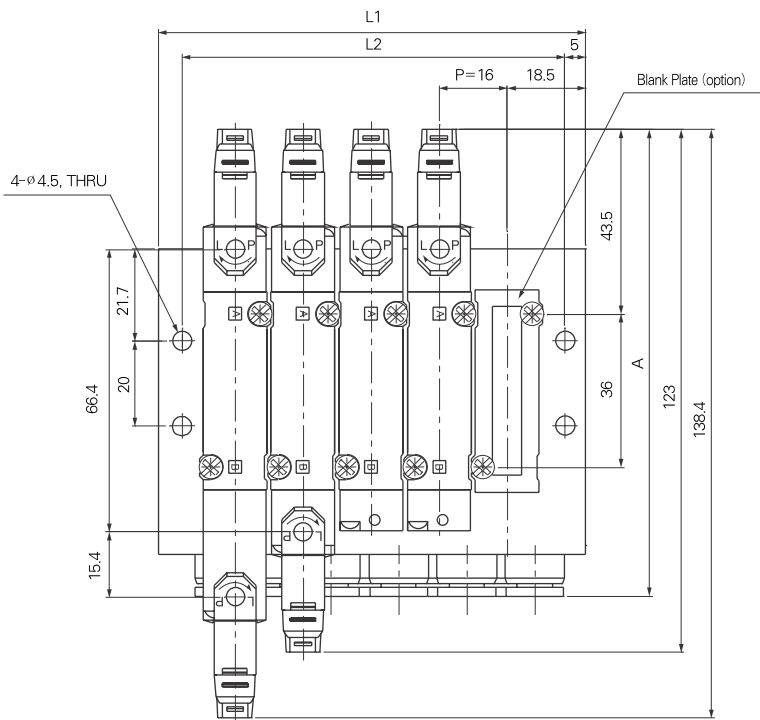
DVM3 — **40** — **05**

1 2 3

- 1 DV3000 Series Manifold
- 2 Base Mounted Type
- 3 Stations (2~20)

		(mm)																		
Stations		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1		52.5	68.5	84.5	100.5	116.5	132.5	148.5	164.5	180.5	196.5	212.5	228.5	244.5	260.5	276.5	292.5	308.5	324.5	340.5
L2		42	58	74	90	106	122	138	154	170	188	202	218	234	250	266	282	298	314	330

Dimensions / Series DV3000 Base Mounted / With Fitting



How To Order

DVM3 — 40 — 05 — T0

1 2 3 4

- 1 DV3000 Series Manifold
- 2 Base Mounted Type
- 3 Stations (2~20)
- 4 T6 : Mounted Tube Size $\varnothing 6$
T8 : Mounted Tube Size $\varnothing 8$

	T6	T8
A	105.6	110.0
B	7.0	10.0

(mm)																			
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	52.5	68.5	84.5	100.5	116.5	132.5	148.5	164.5	180.5	196.5	212.5	228.5	244.5	260.5	276.5	292.5	308.5	324.5	340.5
L2	42	58	74	90	106	122	138	154	170	186	202	218	234	250	266	282	298	314	330

DW

DS

DV

DX2

DP

DM

DH

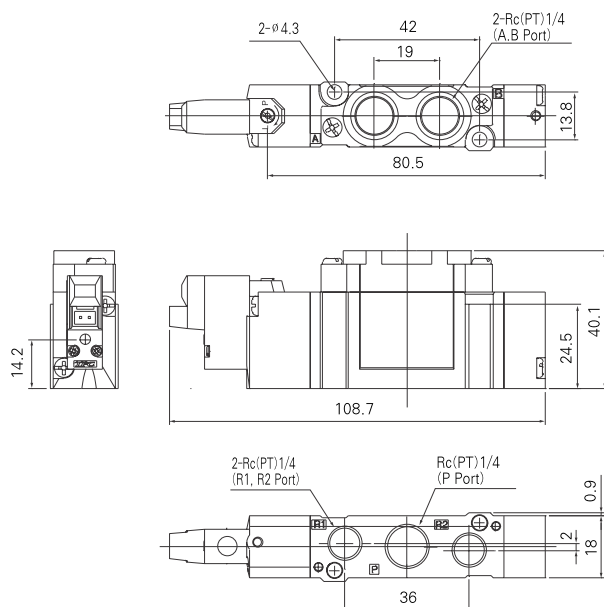
DT

DC

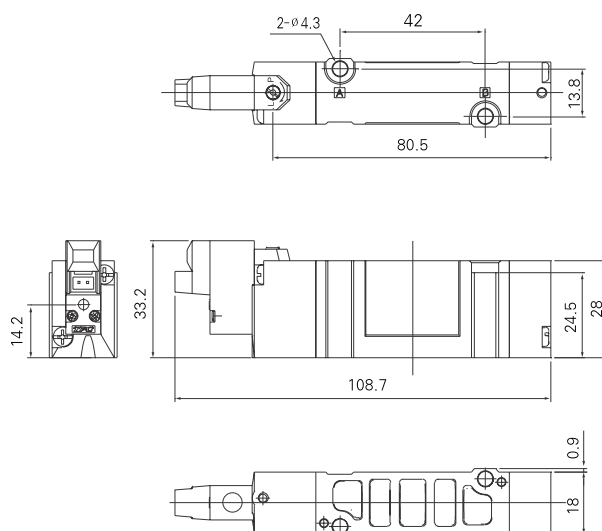
Series DV1000 · 3000 · 4000

Series DV4000 / 2 Position / H: Horizontal Connector Type

DV4120 Single / Body Ported

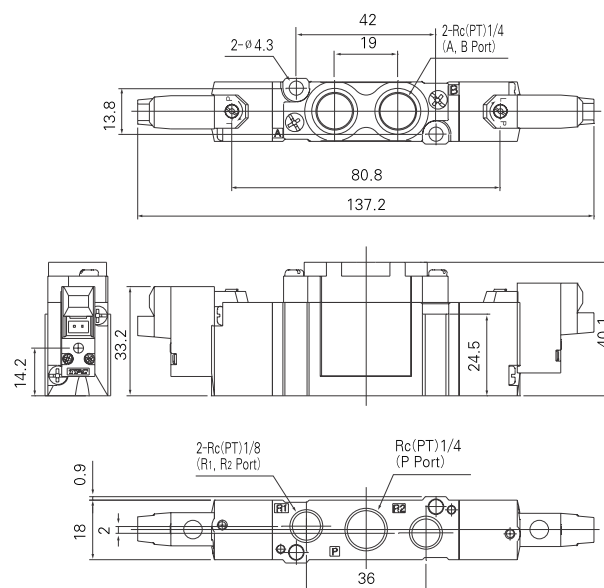


DV4140 Single / Base Mounted

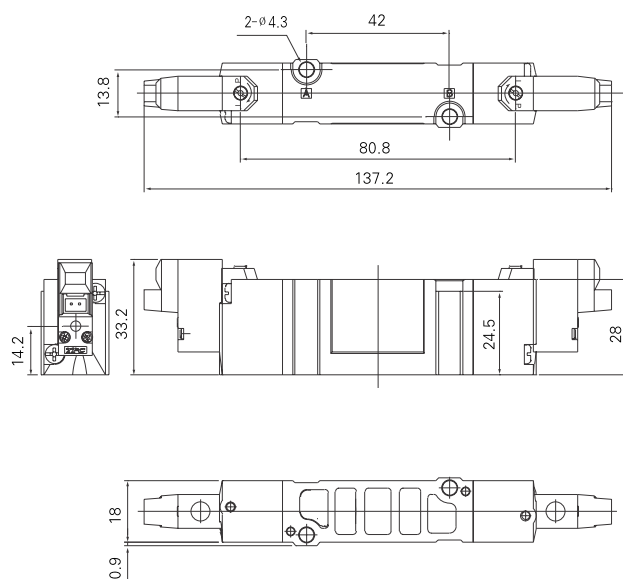


Series DV4000 / 2 Position / H: Horizontal Connector Type

DV4220 Double / Body Ported

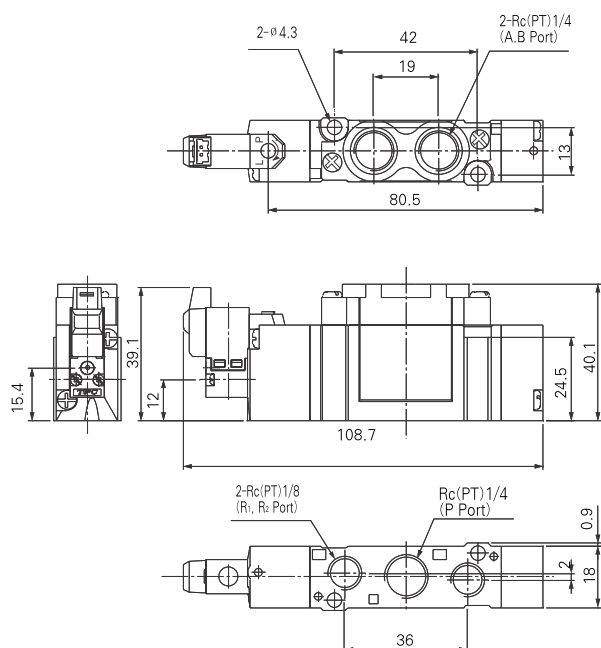


DV4240 Double / Base Mounted

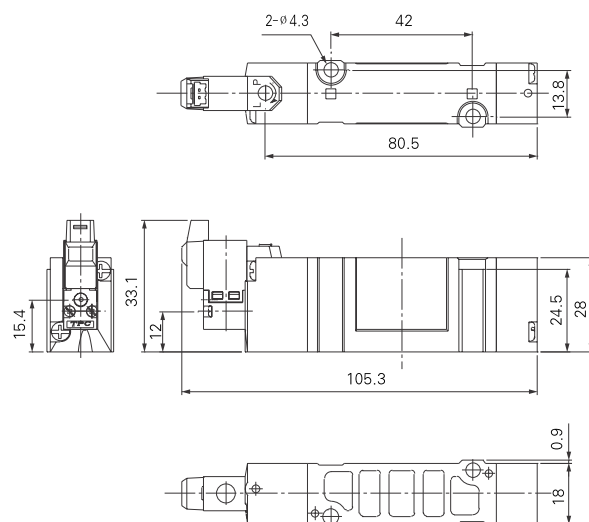


Series DV4000 / 2 Position / V: Vertical Connector Type

DV4120 Single / Body Ported

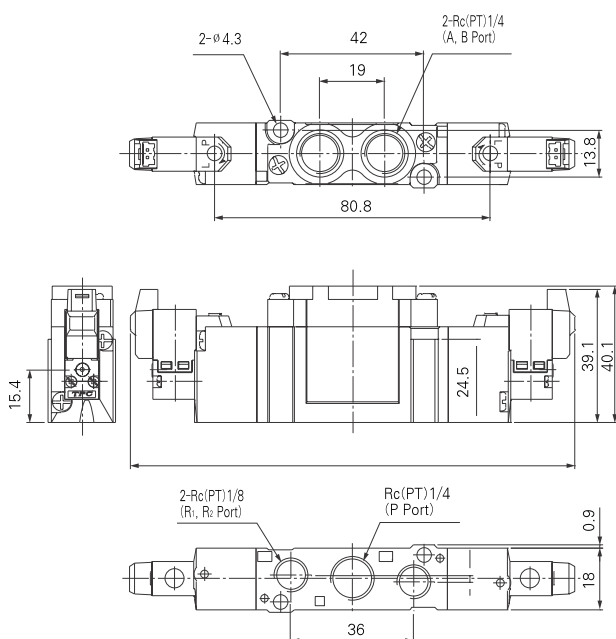


DV4140 Single / Base Mounted

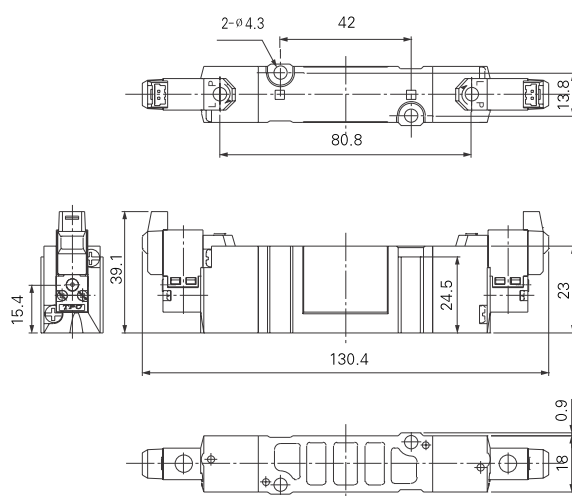


Series DV4000 / 2 Position / V: Vertical Connector Type

DV4220 Double / Body Ported



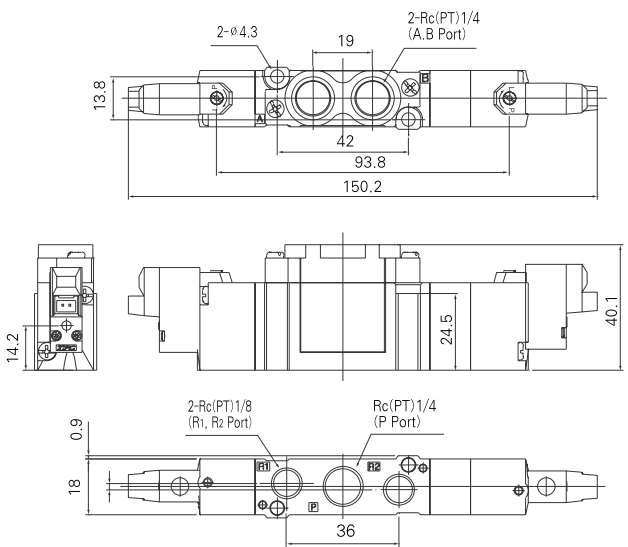
DV4240 Double / Base Mounted



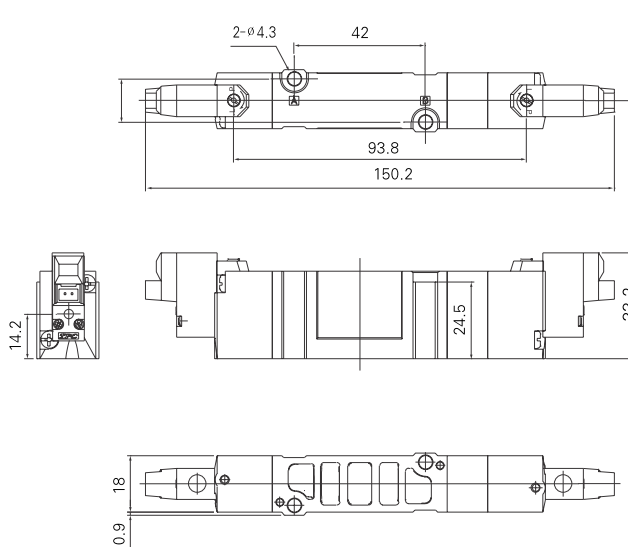
Series DV1000 · 3000 · 4000

Series DV4000 / 3 Position / H: Horizontal Connector Type

DV4320 3 Position / Body Ported

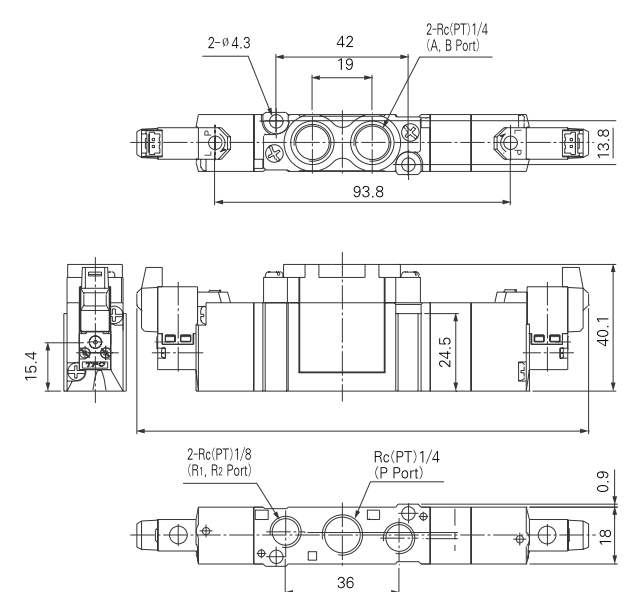


DV4340 3 Position / Base Mounted

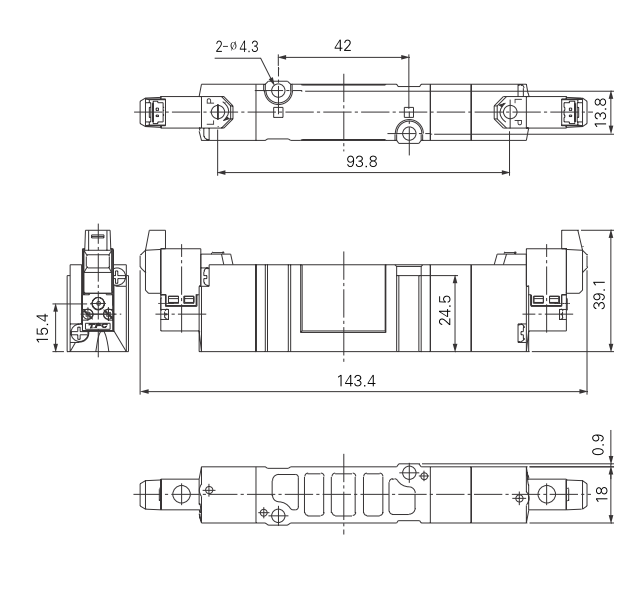


DV4340 3 Position / Base Mounted / V: Vertical Connector Type

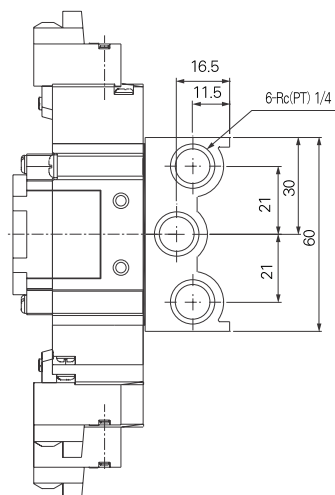
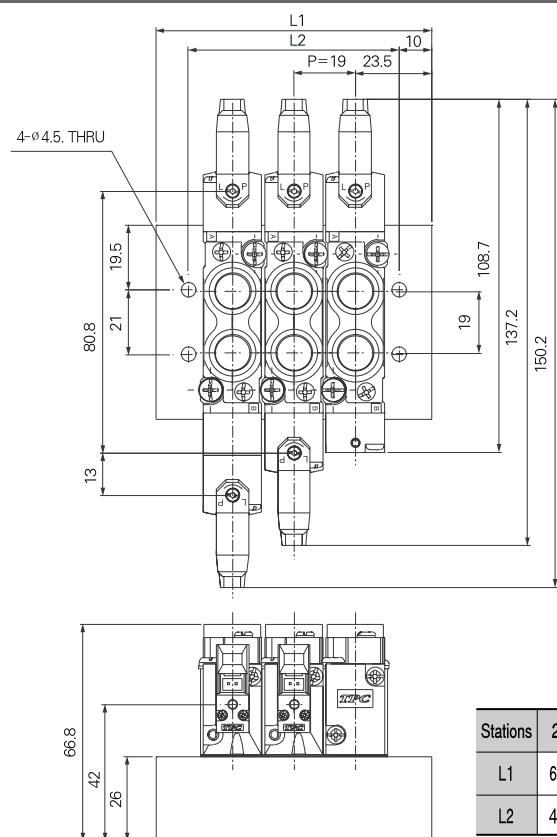
DV4320 3 Position / Body Ported



DV4340 3 Position / Base Mounted



Dimensions / Series DV4000 Body Ported / H: Horizontal Connector Type



How To Order

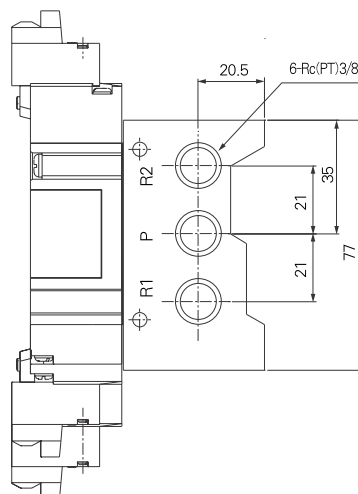
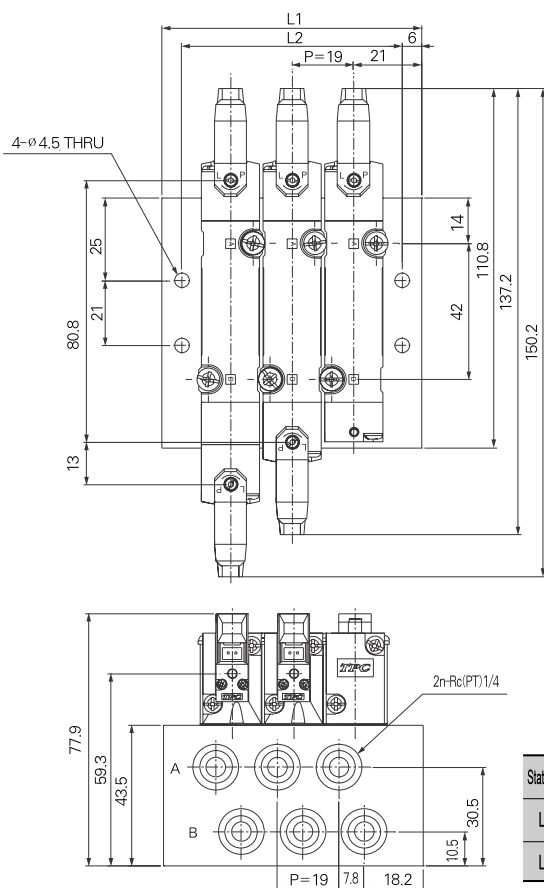
DVM4 — **20** — **05**

1 2 3

- 1 DV4000 Series Manifold
- 2 Body Ported Type
- 3 Stations (2~20)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	66	85	104	123	142	161	180	199	218	237	256	275	294	313	332	351	370	389	408
L2	46	65	84	103	122	141	160	179	198	217	236	255	274	293	312	331	350	369	388

Dimensions / Series DV4000 Base Mounted / H: Horizontal Connector Type



How To Order

DVM4 — **40** — **05**

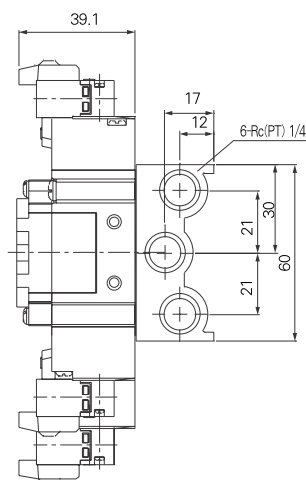
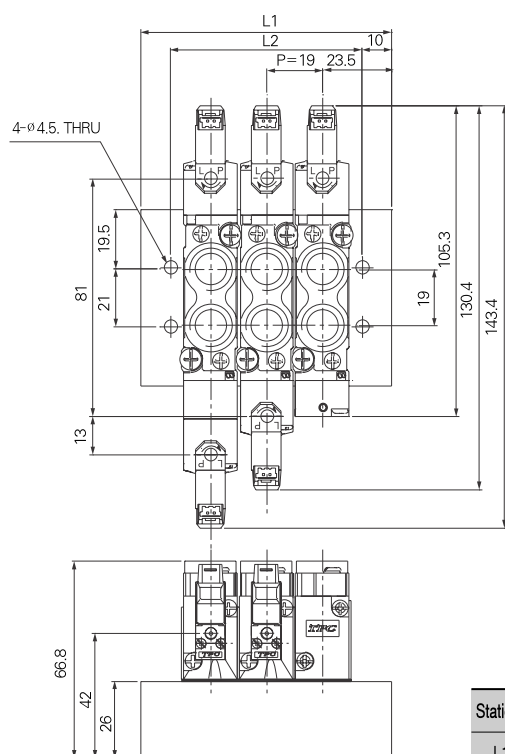
1 2 3

- 1 DV4000 Series Manifold
- 2 Base Mounted Type
- 3 Stations (2~20)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	61	80	99	118	137	156	175	194	213	232	251	270	289	308	327	346	365	384	403
L2	49	68	87	106	125	144	163	182	201	220	239	258	277	296	315	334	353	372	391

Series DV1000 · 3000 · 4000

Dimensions / Series DV4000 Body Ported / V: Vertical Connector Type



How To Order

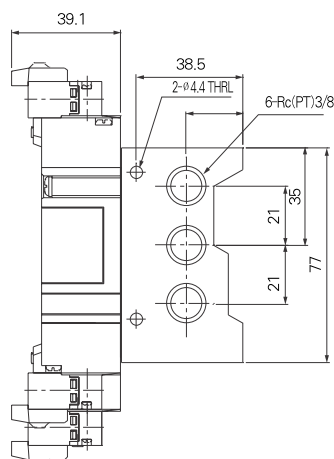
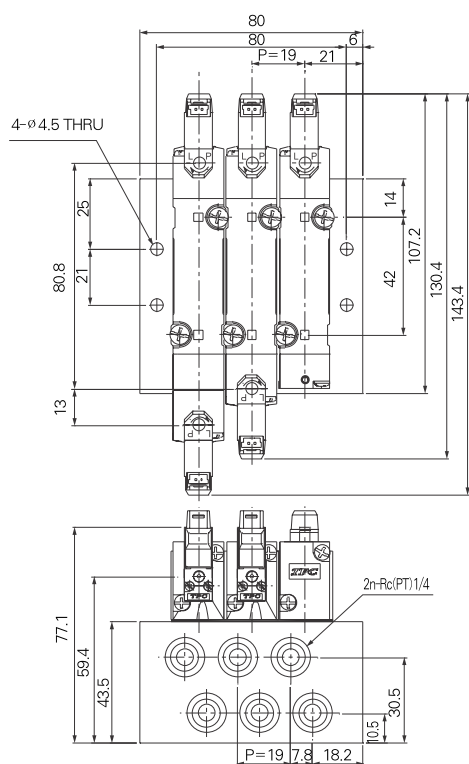
DVM4 — **20** — **05**

1 2 3

- 1 DV4000 Series Manifold
- 2 Body Ported Type
- 3 Stations (2~20)

Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	66	85	104	123	142	161	180	199	218	237	256	275	294	313	332	351	370	389	408
L2	46	65	84	103	122	141	160	179	198	217	236	255	274	293	312	331	350	369	388

Dimensions / Series DV4000 Base Mounted / V: Vertical Connector Type



How To Order

DVM4 — **40** — **05**

1 2 3

- 1 DV4000 Series Manifold
- 2 Base Mounted Type
- 3 Stations (2~20)

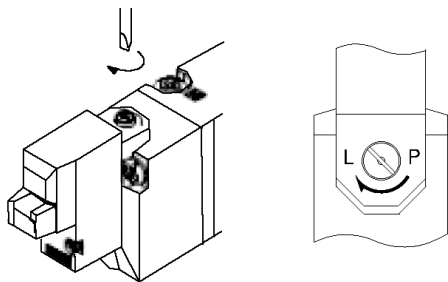
Stations	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	61	80	99	118	137	156	175	194	213	232	251	270	289	308	327	346	365	384	403
L2	49	68	87	106	125	144	163	182	201	220	239	258	277	296	315	334	353	372	391

Caution

1. Manual operation

1-1. The push-turn Lock method driver operation

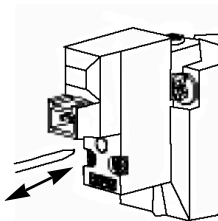
While pushing the manual button turn to the arrow direction. If you do not turn and push you can use the Non-lock Push method to operate. When using a driver you can use a watch driver to easily turn. When removing the Lock you can turn to the opposite direction of the arrow. If you press too hard you will damage the valve.



Caution) When activating automatically have the manual button on the Lock stage and make sure to activate after removing the Lock.

1-2. Non-lock Push method manual operation

Using the Solenoid coil side manual operation press lightly on the manual button under the coil connector with a driver as seen below.



2. Valves of AC 100V, AC 220V Specification

Our valve is a non-standard option specification Solenoid Coil which you may ask about when ordering.

3. Collection exhaustion

The DV series is a type that the pilot valve exhaustion is collected to the main valve. Be careful that the exhaustion port is clear of abstractions. The P, R port is on both sides of the manifold and you can select the

exhaust direction according to the installation location. The P port exhaustion must have the appropriate size for the exhaust connection hole in order to prevent an output deficiency of the actuator and operational errors due to a shortage in pressure. Make sure to use plenty of exhaustion port on both sides to ensure no operational errors occur due to exhaustion resistance when you are installing the R port noise device.

4. Using the 3 port valve

The DV series has a specification of a 5 port valve but if you are using a 3 port valve use one direction of a cylinder port (A,B) to stop up the plug and you will be able to use the Normal Close (N.C) or Normal Open (N.O) 3 port valve.

Except, use with the exhaust port (R1, R2) open.

Location of the plug		B port	A port
Conversion Method		N.C	N.O
Number of Solenoids	Single		
	Double		

5. How to use the plug connector

When you are installing the connector hold the lever and connector body with your hands and insert the connector in the connector housing, then lock it by pressing in the connector lever hook. When you are separating the connector press the lever to disconnect the hook from the connector housing home. When you are pulling the lead line too lightly or put too much force it will result in poor connections or disconnections.

DW

DS

DV

DX2

DP

DM

DH

DT

DC