

How to fill out manifold specifications sheet

● Manifold model No. (example)

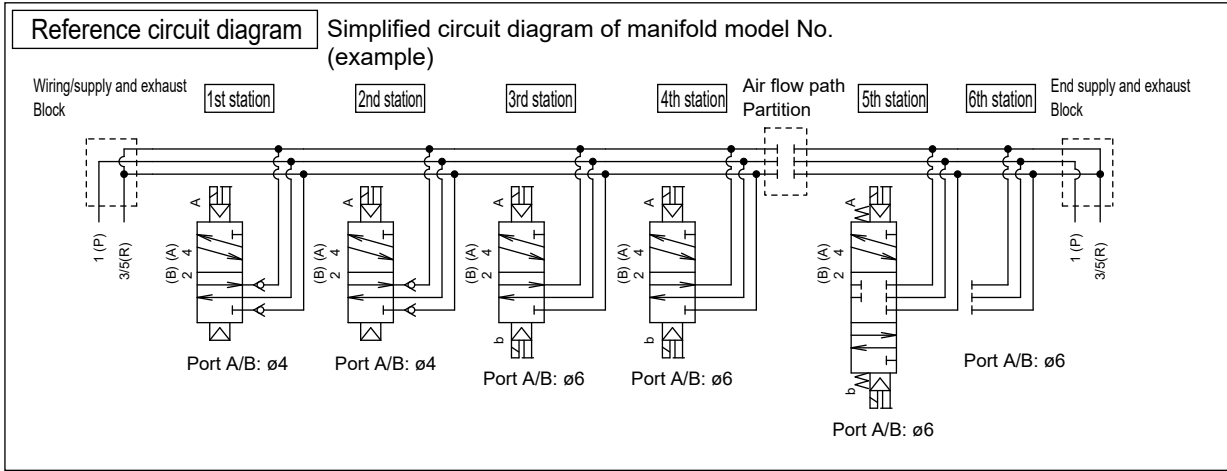
TVG1M- X B 99CX 3 JA3C - 06 BH -HP1

- 1 Switching position class
- 3 Connection Port Size
- 4 Voltage
- 5 Reduced wiring connection
- 6 Station No.
- 7 Option

Page	Code	Model No.	Installation position														Qty. used
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	
P. 39	[D side] Wiring block	*1 TVG1P-TB-08CS-JA3C	○														1
P. 41	Valve block with solenoid valve	TVG1P-1B04CS3-H-HP1		○	○												2
		TVG1P-2B06CS3-HP1				○											1
		TVG1P-2B06CS3-T-HP1					○										1
		TVG1P-3B06CS3-HP1						○									1
		TVG1P															
		TVG1P															
P. 41	With blanking plate Valve block Spacer cannot be selected.	TVG1P-ZB06CS3						○									1
19 to 22 Page	Spacer Only one type can be selected for one station.	TVG1P															
P. 51	Intermediate supply and exhaust block	TVG1P-QB-															
P. 50	[U side] End block	*1 TVG1P-EB-08CS							○								1

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

- Complete from the left end, with the piping port facing forward.
(Write the block model numbers and positions you determined referring to the block configurations (pages 37 to 38).)
- Write the total number of blocks specified in the quantity field in the table far right.
- Indicate for the required attached parts.
- As there are manifold specifications sheets for each model No., fill in the form for the corresponding specifications.



Block length (width) dimensions table (mm)

		TVG1	TVG2
A	Valve block	10.5	16
B	Intermediate supply and exhaust block	16	18
C	Wiring block	EA1□	110
		FA1□	91.2
		GA1□	87.2
		J□□□	74.1
D	End block	40.2	42.2

● Mounting rail length (L₅) of DIN rail mount

- ① Determine the rail length using the calculation method shown below.
The obtained length is standard.
- ② For standard length, length (L₅) is not required on the specifications sheet.
If you need a length other than the standard length, please enter it.

● How to determine the length of the mounting rail

Manifold length (L₄) = (A × $\frac{\text{Valve Block Quantity}}{\text{Intermediate supply and exhaust block Quantity}}$) + (B × $\frac{\text{Wiring block Quantity}}{\text{End block Quantity}}$) + C + D

Mounting rail length (L₅) = L₅ × 12.5 A, B, C, and D indicate the length (width) of each block.

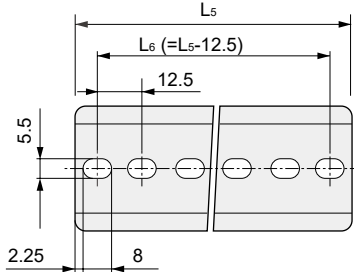
$L_5 = \frac{L_4 + 40}{12.5} \rightarrow \text{round up to integer}$

Rail mounting pitch (L₆) = L₅-12.5

● Mounting rail length quick reference table

L ₄ Manifold Length	≤ 47.5	47.5 Over to 60 or less	60	72.5	85	97.5	110	122.5	135	147.5	160	172.5	185	197.5	210	222.5	235	247.5	260	272.5	285	297.5	310	322.5	335	347.5
L ₅ Rail Length	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375	387.5	400
Pitch L ₅	75	87.5	100	112.5	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375	387.5

*1: L₁ exceeds this table, calculate the length by referring to "How to calculate the length of the mounting rail".



[illegible]

P. 53	Mounting rail	$L_5 = $  * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Please specify the required number.

119

TVG1M (Serial Transmission Device Unit) block manifold specifications sheet

Date of Issue

Order Received No.

Contact

Order No.

TVG1M- B 3 - -HP1

6 Station No. **7** Option

When filling in this field, select the model No. from Block configurations (pages 37 to 38).

[illegible]

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 = \boxed{}$ * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Attached Parts	Blank Plug				Silencer		Tag plate (included)
	PG-P2-B		GWP 4-B		SLW-H6		
	GWP 6-B		GWP 8-B		SLW-H8		

Please specify the required number.

Water-proof cap		Water-proof plug		Tube remover
TVGP-XSZ-11		TVGP-XSZ-12		

TVG2M (reduced wiring) block manifold specifications sheet

● Contact Person ● Quantity Set ● Delivery Date (Month/Day)

Voucher No.

Order Received No.

Date of Issue

Company Name

Contact

Order No.

Model No.

TVG2M B - -HP1

1 Switching position class

3 Connection Port Size

4 Voltage

5 Reduced wiring

6 Station No.	7 Option
1	1
2	1
3	1
4	1
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97	1
98	1
99	1
100	1

When filling in this field, select the model No. for connection configurations (pages 37 to 38).

[illegible]

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 = $ * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Attached Parts	Blank Plug				Silencer		Tag plate (included)
	GWP 4-B		GWP 6-B		SLW-H8		
	GWP 8-B		GWP 10-B		SLW-H10		

Please specify the required number.

Cable clamp for common terminal block		Cable with multi-connector		Multi-connector only		Cable with D-sub-connector	
TVGP-SCL-18A		TVGP-RMC- 		TVGP-RM21WTP- 		TVGP-CABLE-D0-  - 	
TVGP-SCL-18B							

Contact Person	Quantity Set	Delivery Date (Month/Day)	Date of Issue
Voucher No.		Order Received No.	Company Name
			Contact
			Order No.

Model No. **TVG2M** **B** **3** - **-HP1**

1 Switching position class
 3 Connection Port Size
 5 Serial transmission
 6 Station No.
 7 Option

When filling in this field, select the model No. from Block configurations (pages 37 to 38).

[illegible]

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 =$  * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Attached Parts	Blank Plug				Silencer		Tag plate (included)
	GWP 4-B		GWP 6-B		SLW-H8		
	GWP 8-B		GWP 10-B		SLW-H10		

Please specify the required number.

Water-proof cap		Water-proof plug	
TVGP-XSZ-11		TVGP-XSZ-12	

TVG1M (for connection) block manifold specifications sheet

TVG
Reduced wiring with Serial Transmission Device Unit

TVG
With interface for Remote I/O connection

TVG -P4
Compatible with rechargeable battery manufacturing processes

Manifold
Specification Sheet

Technical Data

Precautions for
Use

Contact Person

Quantity Set

Delivery Date (Month/Day)

Date of Issue

Voucher No.

Order Received No.

Company Name

Contact

Order No.

Model No.
TVG1M-

1

Switching
position class

3

Connection
Port Size

5

Electrical
connections

6

Station
No.

7

Option

When filling in this field, select the model No. from Block configurations (pages 37 to 38).

2

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Qty. used

Page	Code	Model No.	1	2	3	4	5	6	7	8	9	10	11	12	13	Installation position																																Qty. used																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
P. 88	[D side] Valve interface (with supply and exhaust block) *1	TVG1P-TB- -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

Attached Parts	Blank Plug				Silencer		Tag plate (included)	Tube remover
	PG-P2-B		GWP 4-B		SLW-H6			
	GWP 6-B		GWP 8-B		SLW-H8			

Please specify the required number.

Contact Person	Quantity Set	Delivery Date (Month/Day)	Date of Issue
Voucher No.		Order Received No.	Company Name
			Contact
			Order No.

Model No. **TVG2M** **B** - **-HP1**

① Switching position class ③ Connection Port Size ⑤ Electrical connections ⑥ Station No. ⑦ Option

When filling in this field, select the model No. from Block configurations (pages 37 to 38).

[illegible]

*1:KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

Attached Parts	Blank Plug				Silencer		Tag plate (included)
	GWP 4-B		GWP 6-B		SLW-H8		
	GWP 8-B		GWP 10-B		SLW-H10		

Please specify the required number.

TVG1M (reduced wiring) block manifold specifications sheet

Order No.

TVG1M- B -P4-HP1

7 Option

When filling in this field, select the model No. connection configurations (pages 37 to 38).

[illegible]

*1:KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 = \boxed{}$ * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Attached Parts	Blank Plug				Silencer		Tag plate (included)
	PG-P2-B		GWP 4-B		SLW-H6		
	GWP 6-B		GWP 8-B		SLW-H8		

Please specify the required number.

Cable clamp for common terminal block		Cable with multi-connector		Multi-connector only		Cable with D-sub-connector		Tube remover	
TVGP-SCL-18A		TVGP-RMC-		TVGP-RM21WTP-		TVGP-CABLE-D0-			
TVGP-SCL-18B									

Contact Person	Quantity Set	Delivery Date (Month/Day)	Date of Issue
Voucher No.		Order Received No.	Company Name
			Contact
			Order No.

Model No. **TVG1M-** **B** **3** **-** **-P4-HP1**

1 Switching position class **3** Connection Port Size **5** Serial transmission **6** Station No. **7** Option

When filling in this field, select the model No. from Block configurations (pages 37 to 38).

[illegible]

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 =$  * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Attached Parts	Blank Plug				Silencer		Tag plate (included)
	PG-P2-B		GWP 4-B		SLW-H6		
	GWP 6-B		GWP 8-B		SLW-H8		

Please specify the required number.

Water-proof cap		Water-proof plug		Tube remover
TVGP-XSZ-11		TVGP-XSZ-12		

TVG2M (reduced wiring) block manifold specifications sheet

Date of Issue

Order Received No.

Company Name

Contact

Order No.

Model No.

TVG2M **B** **-** **-P4-HP1**

1 Switching position class **3** Connection Port Size **4** Voltage **5** Reduced wiring **6** Station No. **7** Option

When filling in this field, select the model No. connection configurations (pages 37 to 38).

[illegible]

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 = $ * Write an integer multiple of 12.5. (How to determine the length: page 118)
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Attached Parts	Blank Plug				Silencer		Tag plate (included)
	GWP 4-B		GWP 6-B		SLW-H8		
	GWP 8-B		GWP 10-B		SLW-H10		

Please specify the required number.

Cable clamp for common terminal block		Cable with multi-connector		Multi-connector only		Cable with D-sub-connector	
TVGP-SCL-18A		TVGP-RMC- 		TVGP-RM21WTP- 		TVGP-CABLE-D0- 	
TVGP-SCL-18B							

TVG2M (Serial Transmission Device Unit) block manifold specifications sheet

Date of Issue

Company Name

Order No.

TVG2M B 3 -P4-HP1

7 Option

When filling in this field, select the model No. from Block configurations (pages 37 to 38).

[illegible]

*1: KZ is selected, select KZ for both U and D sides. Select Z or KZ for intermediate supply and exhaust block.

P. 53	Mounting rail	$L_5 = \boxed{}$ * Write an integer multiple of 12.5. (How to determine the length: page 118)
-------	---------------	--

Attached Parts	Blank Plug				Silencer		Tag plate (included)
	GWP 4-B		GWP 6-B		SLW-H8		
	GWP 8-B		GWP 10-B		SLW-H10		

Please specify the required number.

Water-proof cap		Water-proof plug	
TVGP-XSZ-11		TVGP-XSZ-12	