M4GB1 to 3 Series

How to fill out metal base M4G Series manifold specifications sheet

Manifold model No. (example)

M 4 GB	1 8 0R-	CX -	T30	-	9 -	3
Solenoid valves	Solenoid position	Port size	Electrical	Terminal connector	Station	Voltage

Solenoid valves

Electrical

Terminal connector Station Voltage

Precautions for fitting mix CX

4GA/B

M4GA/B

MN4GA/B 4GA/B (master) 4GB With senso

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E

MN4E

W4GA/B2

W4GB4

MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B

(master)

(master)

PV5G

GMF PV5

GMF

PV5S-0

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP NVP

4G*0EJ

4F*0EX

4F*0E

HMVHSV 2QV 3QV

SKH Silencer

3Q

4F

4F

The port A/B fitting can be selected freely by indicating "CX" in the port size area.

Selectable cartridge fittings

4G1 CF, C18, C4, C6, C8, x (plug) 4G2 C4, C6, C8, C10, x (plug) 4G3 C6, C8, C10, x (plug)

Port A/B fitting mix with body piping is not supported. 4G1 C8 and 4G2 C10 base piping types are available on a made-to-order basis. Fitting mix CX supports only the combinations of C8 and X (plug) for 4G1 and C10 and X (plug) for 4G2.

How to use base piping M4GB*10 as a 3-port valve

Usable as NO/NC by attaching a plug cartridge on one side of port A/B. Indicate "X" in the fitting CX column.

Switching method	Plug mounting port
NC (Normally closed)	В
NO (Normally open)	А

For female thread specifications, indicate the required number of plugs in the "Threaded plug" area at the end.

Female threads and cartridge fitting cannot be used together in one manifold set.

Elbow specifications

The push-in L fitting (upward) supports only the single solenoid manifold.

Port A is a long elbow and port B a short elbow.

Port A/B sizes are the same for elbow specifications.

							-									С	on	nec	tior	าร	pin	array	/ me	thod	١	lo.			
(Soleno	id valve model No.	Fittir A	g СХ В	1	2	3	4	5	6	7	8	9	10	nstal 11	latio		sitior 14	15	16	17	18	19	20	21	22	23	24	Quantity
- t	4GB	1[1]9R-[cx]	C6	Χ.	0	0	3	4	5	0	/	8	9	10	- 11	12	13	14	15	16	17	18	19	20	21	22	23	24	2
t	4GB	1[1]9R-[c6]		-			0	0																					2
	4GB	1[2]9R-[c6]				\		l	0	0																			2
	4GB	1[5]9R-[cx]	C6	C4		Indi	cate	e X	for		0	0																	2
ī	4GB	1[]]9R-[]]]	<u> </u>			a pl	ug																						
П	3GB	1[]]9R-[[]]	L»	ļ]				Ĺ																			
	Masking 4G1	R-MP (S)	⊢iw	II in "(hen cl e fittir	han	ging	, .																						
	Masking 4G1	R-MP (D)	. cc	mbin	atio	n	\						0																1
							В	lank	king	plug	<u> </u>					Th	rea	ded	plu	Ţ				Sile	ncer				Н
	Mounting		Included	F	G-F	P2-E	3				G۱	VP4	l-B			4G	1R-	M5F			SL	W-6	S			SLW	/-6A		
	Rail	* Write an integer multiple of 12.5.	Part	G	W F	P6-E	3				G۱	۷P8	8-B																
				Cable	with	D-sı	ıb-cc	nne	ctor	40	GR-0	CAB	LE-D	D0□	-		P	ush-in f	itting tu	be ren	nover (i	nclude	d as sta	andard)	☑ No	t requir	ed (che	ck the	box)
_				Cabic	with	D-30	ab -00	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.01		J. (- (J, \D						ww. III I	9 10		10.01 (1		010		Ë	. roquii	ou (one	alo	

* A reference circuit diagram for the above manifold (example) is shown on the next page.

If the tube remover (standard attachment) is not required, place a check.

From the manifold specifications for each model, select and fill out the appropriate form.

M4GB1*OR-C8 does not have a removal tool included.

M4GB1 (page 422), M4GB2 (page 423), M4GB3 (page 424)

*1: Select the silencer mounting after confirming the dimensions.

TotAirSys (Total Air) **TotAirSys** (Gammá)

Ending

M4GB1 to 3 Series

How to fill out wiring specifications sheet

Not required for standard wiring and double wiring.

Wiring specifications sheet (example)

Complete these specifications when specifying the wiring order and additional cables.

	Conne	ctor	pin No.	Г									Inst	allat	ion p	oosit	ion			$\neg /\!$
T3	0/T30R		0/T50R/T6*	1	2	3	4	5	6	7	8	9	10	11	12	13	_	15	16	17
1		1		а																
	14	2			а															
2		3				а														
	15	4																		_//
3		5					а													//
	16	6																		11
4		7						а												М
	17	8						b												Δ\
5		9	- Power supply						а											Ш
	18	10	+ (COM) Power supply						b					l	l	l	l	l	١.پ	\square
6		11								а				Spa	re o	cab	le v	virin	ıg 🗓	$\sqcup \!\! \sqcup \!$
	19	12								b				pr	eca	utio	ons	(1)	Ŀ	Щ
7		13									а		_;	<u></u>				····	Ë	ЩЛ
	20	14									b		, s. ; ; ;							L_ <i> </i> //
8		15										(a)								_//
	21	16										(b)								//
9		17																		11
	22	18																		М
10		19	- Power supply	_	_											_		_		1/
	23	20	+ (COM) Power supply	_	_											_		_		ΔV
11		_		_	_											_		_		$\perp \lambda \lambda$
	24	_		_	_		_									_		_		$\sqcup\!\!\sqcup\!\!\sqcup$
12		_		_	_		_									_		_		ЩІ
	25	_		_	_		_									_		_		$\sqcup \!\!\sqcup \!\! J \!\! J$
13	(COM)			L																\perp // $\!$

- * Note that when T50 wiring is used, the COM polarity is + (plus).
- * When T50 wiring is used, connector pin numbers 9, 10, 19, and 20 cannot be specified, because they are used for the external input power supply.
- * Wiring is sequential from connector pin No. 1 in standard wiring. Contact CKD for special wiring order.

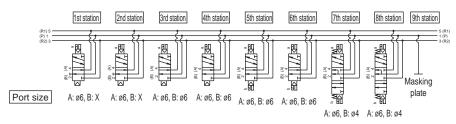
Precautions regarding spare wiring

(1) Spare wires are provided on the masking plate for the reduced wiring manifold. (Refer to page 416) The number of wires for spare wiring can be specified by selecting the masking plate within the specifications.

4G *R -MP(S): 1 pc 4G *R -MP(D): 2 pcs

Indicate (a) or (b) on the manifold specifications sheet for masking plate spare wiring.

Reference circuit diagram The simplified circuit diagram of the manifold model No. (example) on the previous page is shown below.



* The manifold station numbers are set in order from the left with the piping port facing forward.

For wiring specifications sheets, refer to page 432 to page 434.

4GA/B

M4GA/B

MN4GA/B

4GA/B (master)

4GB With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E MN4E

W4GA/B2 W4GB4

MN3S0 MN4S0

4SA/B0

4KA/B 4KA/B (master)

> 4F 4F

PV5G GMF PV5

GMF PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B NP/NAP

NVP 4G*0EJ

4F*0EX

4F*0E

4F*0E

HMV HSV

2QV 3QV

SKH

Silencer TotAirSys

(Total Air) TotAirSys (Gamma)

Ending

4GA/B M4GA/B MN4GA/B

4GA/B (master) 4GB With sensor

4GD/E M4GD/E

MN4GD/E 4GA4/B4 MN3E MN4E

W4GA/B2 W4GB4

MN3S0 MN4S0 4SA/B0 4KA/B 4KA/B (master) 4F

4F (master) PV5G GMF PV5 GMF

PV5S-0 3Q

MV3QR 3MA/B0 3PA/B

P/M/B NP/NAP NVP

4G*0EJ 4F*0EX 4F*0E

HMV HSV 2QV 3QV SKH

MΔ	GB1 N	lan	ifo	Id	9	n	90	if	ica	at	io	ns	\$ 5	h	66	1¢			[Date	issu	ied			/		/	
			0			Έ,		7 8 1		<i>a</i> t	. •			1					(Com	pany	/						
Cor	ntact		•	Qua	antity	/		se	et (s)			• D	elive	ry da	ate		/		(Cont	act							
Slip	No.									0	rder	No.							(Orde	r No).						
Mar	nifold model No.																											
M	GB	1			OF	?-				-									,,,				_			_		
	olenoid valves		Soleno positio				Po	ort s	ize	(Ele connect wiring	ectrical ion redu connect	iced p	rmina in arra	l conn ay me	ector thod	0	ptio	n	Mo	ount	ing	S	Static	n No	0. \	/olta	ıge
Solono	id valve model No.	Fittir	ng CX										\	alve i	nstalla	ation p	ositio	n										Quantity
Soleno	iid vaive model No.	Α	В	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Qua
4GB1	9R- -																											
4GB1	9R																											
4GB1	9R																											
4GB1	9R																											
4GB1	9R																											
3GB1	9R																											
3GB1	9R																											
Masking 4G1R	g plate -MP (S)-																											
Masking 4G1R	g plate -MP (D)- :																											
Air supp 4G1R	oly spacer																											
In-stop 4G1R	valve spacer -IS																											
Exhaus 4G1R	t spacer																											
							Bla	ankin	g plug)					7	hrea	ded	plug			1		Sil	ence	r			
Mounting	L ₂ = .	Included		PG-F	P2-B			\Box		GV	VP4-E	3			40	31R-I	M5P		\dagger	SI	_W-6	s		T	SLV	N-6A		
rail	* Write an integer multiple of 12.5.	parts		GWF	P6-B			\dashv		GV	VP8-E	3																
			Cable v	with D)-sub-	conne	ector	4G	R-CA	BLE	-D0]-□			Pus	h-in fitt	ting tu	be rem	nover (includ	ed as	standa	rd) 🗌	Not re	quired	(chec	k the	box)

Silencer TotAirSys (Total Air)

M4GB2 N	lan	ifo	ld	S	p	ec	if	ic	at	io	ns	5 5	sh	e	et				Date	issu	ed			/		/		M4GA/B
		•			1,	- •	. '	`	J- U						-			-	Com	oany	/							MN4GA/B 4GA/B
Contact		•	Qua	antity	У		se	et (s)			• D	elive	ery d	ate		/			Conta	act								(master)
Slip No.									0	rder	No.							-	Orde	r No								4GB With sensor
Manifold model No.																												4GD/E
M GE	32		1	OF	? -] =	. [-									, ,			-	• [<u> </u>			M4GD/E
Solenoid valves	;	Soleno positio	oid	-	-		ort			co redu	lectric onnecti uced w	on viring	conr	ermin necto y me	r pin	(Opti	on	М	oun	ting		Sta	tion I	No.	Vol	tage	MN4GD/E
	Fittin	ıg CX								- 60	JIII COL					positio	n										ntity	4GA4/B4
Solenoid valve model No.	А	В	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Quantity	MN3E MN4E
4GB2 9R-																												W4GA/B2
4GB2 9R-																											П	W4GB4
4GB2 9R-																												MN3S0 MN4S0
4GB2 9R																												4SA/B0
4GB2 9R-																												4KA/B
3GB2 9R																												4KA/B (master)
3GB2 9R-																												4F
Masking plate 4G2R-MP (S)-																												(master) PV5G
Masking plate 4G2R-MP (D)-																												GMF PV5
Air supply spacer [4G2R-P-																												GMF PV5S-0
In-stop valve spacer 4G2R-IS																												3Q
Exhaust spacer 4G2R-R-																												MV3QR
Pilot check valve spacer 4G2R-PC-M*																												3MA/B0
																												3PA/B
						В	Blanki	ng pl	ug			'		T	Th	reade	ed plu	ug		1		s	ilenc	er				P/M/B
GW				/P4-B	3				G	WP6	-B			\dagger	4G2	2R-06	6P		8	SLW-	8S			SL	W-8A		\exists	NP/NAP NVP
rail * Write an integer multiple of 12.5.	Included parts		GW	/P8-B	3				G	WP1	0-B		+	+													\dashv	4G*0EJ
		Cable				necto	or	4GI	R-CA]-[]	+	+													\dashv	4F*0EX
		Labio		_ 501																								4F*0F

2QV 3QV SKH Silencer TotAirSys (Total Air) TotAirSys (Gamma)

Ending

HMV HSV

2QV 3QV SKH

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)	Con				Qua	antity	/		Se	et (s)	Ι		• D	elive	ery d	ate		/		_	Cont							
ſ	Slip	No.									0	rder	No.							_	Orde	r No	٠.					
		ifold model No.																										
	M	GE	33		(OF	? -				 										i !			_			-	
		olenoid valves		Solen positi				Р	ort s	size		reduc	al conne ced wirir nnection	ng (Te conn array	ector	r pin	С)ptio	n	М	ount	ing	(Statio	n No). \	/olt
			Fittir	ng CX										١	/alve	install	ation p	oositio	n									
	Solenoi	d valve model No.	Α	В	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	4GB3	9R- -																										
	4GB3	9R																										
	4GB3	9R																										
	4GB3	9R- -																										
	4GB3	9R																										T
	4GB3	9R-																										
	4GB3	9R																										
	Masking	plate -MP (S)-																										
	Masking	plate																										
	Air suppl	y spacer																										
	4G3R	·P- []																										
	4G3R	-IS																										
	Exhaust 4G3R																											
		,			•			В	lanki	ng pli	ug		•				Th	reade	ed plu	ıg			•	s	ilenc	er	•	
	Mounting rail	L ₂ =	Included parts	GW	P6-B			G	WP8	-В		(GWP	10-B		\dagger	4G3	3R-08	3Р		s	LW-	10A			SLV	V-10	L
		multiple of 12.5.		Cable	with	D-sul	o-con	necto	or	4GI	R-CA	BLE-	-D0□			\top												

TotAirSys (Total Air) TotAirSys (Gamma)

Silencer

Ending