

14-3 Smart type I/P positioner

14-3-1 AVP 300/301

SVP3000 Alphaplus Price List

<b>AVP300</b>	<b>140</b>	<b>148 (Mount on CV)</b>	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	(10)
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Analog Signal(4 to 20mA.DC.) without travel transmission.

<b>AVP301</b>	<b>165</b>	<b>173 (Mount on CV)</b>
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Analog Signal(4 to 20mA.DC.) with travel transmission.

Note

- \*1 1 set of JIS Flameproof cable gland shall be attached for AVP300 model. 2 sets are for AVP301 model.
- \*2 Standard finish is equal to previous Y138A. Corrosion proof is equal to previous Y138B.
- \*3 No domestic sales in Japan due to Non-SI unit.
- \*4 For JIS Flameproof model, these elbows should be put on the supplied cable gland.
- Code "A" and "C" can not be selected simultaneously.
- \*5 Code "E" and "N" can not be selected simultaneously.
- \*6 Code "F" and "G" can not be selected simultaneously.
- \*7 Select model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (ground).

					Code	Add.Price	Delivery (Week)
(1)Structure	Connection	Air piping connection	Electrical connection	Mounting thread			
		Water-proof	Rc1/4	G1/2	M8	X	0
	Water-proof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	P	5	8
	Water-proof	1/4 NPT internal	M20x1.5	M8	Q	5	8
	JIS Flameproof with cable gland *1	Rc 1/4	G1/2	M8	E	5	3
	FM Explosionproof and Flameproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	F	15	8
	FM Intrinsically safe	1/4 NPT internal	1/2 NPT internal	5/ 16-18	M	15	8
	CSA Exprosnproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	A	15	8
	ISSEP/CENELEC Flameproof	1/4 NPT internal	M20x1.5	M8	C	15	8
	KEMA/CENELEC Intrinsically safe	1/4 NPT internal	M20X1.5	M8	L	15	8
	NEPSI Flameproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	B	15	8
	NEPSI Flameproof	1/4 NPT internal	M20x1.5	M8	N	15	8
	NEPSI Intrinsically safe	1/4 NPT internal	1/2 NPT internal	5/ 16-18	H	15	8
	NEPSI Intrinsically safe	1/4 NPT internal	M20x1.5	M8	S	15	8
	NEPSI Intrinsically safe and Flameproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	R	15	8
	NEPSI Intrinsically safe and Flameproof	1/4 NPT internal	M20x1.5	M8	W	15	8
(2)Finish	Standard (Baked Acrylic)	*2			S	0	3
	Corrosion proof (Baked Epoxy)	*2			B	15	8
	Silver finish (Baked Acrylic)				D	8	8
(3)Positioner Action	Direct Action - Air pressure increases with Control signal increase				D	0	3
	Reverse Action - Airpressure decreases with Control signal increase				R	0	3
(4)Supply Air-pressure classification	Air supply range	Pressure gauge scale	Max regulator setting				
	130<=Ps<=150kPa {1.3<=Ps<=1.5kgf/cm2}	200kPa {2kgf/cm2}	400kPa {4kgf/cm2}		1	0	3
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm2}	400kPa {4kgf/cm2}	400kPa {4kgf/cm2}		2	0	3
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm2}	600kPa {6kgf/cm2}	400kPa {4kgf/cm2}		3	0	3
	400<Ps<=450kPa {4.0<Ps<=4.5kgf/cm2}	600kPa {6kgf/cm2}	700kPa {7kgf/cm2}		4	0	3
	450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm2}	1000kPa {10kgf/cm2}	700kPa {7kgf/cm2}		5	0	3
(5)Scale Unit (Pressure gauge)	kPa				A	0	3
	kgf/cm2	*3			B	0	3
	MPa				C	0	3
	bar				D	5	8
	psi	*3			E	5	8
(6)Pressure regulator with filter	No selection				X	0	3
	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner) *7				1	20	3
	Model KZ03 Pressure Regulator with Filter (with bracket for separated mount)				2	20	3

(Refer to next page)

# Accessories

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Effective : Mar. 1, 2003	UNIT : 1000YEN

AVP300	140	148 (Mount on CV)	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
AVP301	165	173 (Mount on CV)													

		Code	Add.Price	Delivery (w)
(7) Material of Bracket Bolts	No Selection	X	0	3
	Steel - Zinc plated Stainless Steel	C	Refer to table 1 on Page 22-COP-5b or table 2 on Page 22-COP-5c	
	Stainless steel Stainless Steel	D		
(8)(9) Actuators (for bracket)	No Selection	XX	0	3
	For Single acting actuator	Refer to table 1 on Page 22-COP-5b		
	For Double acting actuator	Refer to table 2 on Page 22-COP-5c		
(10) Option (Plural selection available)	No selection	X	0	3
	Universal Elbow Explosion-proof (SUS304 G1/2) 1pc . For AVP300 *4	A	2	3
	Universal Elbow Explosion-proof (SUS304 G1/2) 2pcs. For AVP301 *4	C	4	3
	Stainless filter for KZ03 (pressure regulator with filter)	K	8	5
	2 pcs of adapter for Air piping connection (Rc1/4 to 1/4NPT) for single acting actuator *5	E	8	3
	3 pcs of Adapter for Air piping connection (Rc1/4 to 1/4NPT) for double acting actuator*5	N	12	3
	1 pc of adapter for electric connection (G1/2 to 1/2NPT) for AVP300 *6	F	10	3
	2 pcs of adapter for electric connection (G1/2 to 1/2NPT) for AVP301*6	G	20	3
	Filter (Screen for air-exhaust port)	H	10	7
	Reversing Relay for Double acting actuator	W	Refer to table 3 on Page 22-COP-5c	
	Seal tape prohibited	J	5	3

Configuration Following shows default and optional settings of each configurable parameter of Smart Valve Positioner.

Unless otherwise specified, the Smart Valve Positioner will be shipped in the following configuration.

- |  |                         |  |
|--|-------------------------|--|
| 1. Input control signal                    | 4 to 20mA               | The minimal span for custom range = 4mA                |
| 2. Output characteristic                   | Liner                   | EQ or QO can be ordered or set by user.                |
| 3. Valve action                            | Direct(Plug above seat) | Reverse(Plug below seat) can be ordered or set by user |
| 4. Output signal for position transmission | 4 to 20mA               | DE also selectable                                     |

**Table 1. Price and Delivery of Mounting Bracket for Single acting actuator**

Note to quotation

- \*1 Select "YW" or "YJ" for old-type motion connectors.(Produced on/before Apr. '83)
- \*2 Consult a sales representative in case of no mounting hole on the side of valve yoke.
- \*3 Select in the case of without manual handle or with manual handle mounted on top of the actuators.
- \*4 Additional support branket is required.
- \*12 In case "VM" type actuator is required following conditions, 1.select model "VCT" for the body, 2.the existing positioner should be HEP or VPE, 3.yoke should be model HK. If another spec. is required, contact your sales representative.

(8)(9)Mounting bracket for pneumatic actuators	Code	(7) Material (Bracket/Bolt)	SS400 Zinc Plated /SUS304		SUS304/SUS304	
			C		D	
			Add. Price	Deliv. (wk)	Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS		5	3	10	3
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *1	YQ		5	3	10	3
PSA3, PSA4 for existing valves produced on/before 1999	YY		5	3	10	3
PSA6 / VA4~VA6 Produced after Apr. '83. *1	YL		5	3	10	3
HA1	YA		5	3	10	3
HA2,HA3, HL2,HL3	YT		5	3	10	3
HA4, HL4	YN		5	3	10	3
HK1, VM1 *12	YK		5	3	10	3
VM12 for Model VSP *4	YB		5	4	10	4
VR1	YV		30	3	50	3
VR2,VR3	YR		30	3	50	3
RSA2	YU		5	3	10	3
GOM83S,GOM84S,GOM103S	YG		15	3	20	3
GOM124S	YM		20	3	25	3
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *2	YW		7	3	12	3
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *2	YJ		7	3	12	3
Motoyama Mfg. 2800 Series 240,280,330 Nihon Koso A100 Series 270,320 *3	TA		20	4	25	3
Motoyama Mfg. 2800 Series 400,500S,500L Nihon Koso A100 Series 400,500 *3	TB		20	4	25	3
Motoyama Mfg. 2800Series 650S,650L	TC		40	4	40	3
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD		20	4	25	3
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE		20	4	25	3
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF		40	4	40	3
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S	TJ		20	4	25	3
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL		20	4	25	4
Motoyama Mfg. 3993 Series (Gyrol-II) 2911-1M series 280, 330, 400	TG		20	4	25	3
Nihon Koso 5100L series 240, 280 *3	TP		20	4	25	4
Nihon Koso 5200L series 218, 270, 350 *3	TR		20	4	25	4
Masoneilan 37,38 Series #9, #11 *3	MA		20	4	25	3
Masoneilan 37,38 Series #13 *3	MB		20	4	25	3
Masoneilan 37,38 Series #15,#18 *3	MC		40	4	40	3
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF		40	4	40	3
Masoneilan type 35002 Camflex II #41/2,#6 (Valve size 1in.~4in.)	MG		20	4	25	3
Masoneilan type 35002 Camflex II #7 (Valve size 6in.~12in.)	MH		20	4	25	3
Kitamura Valve AK09S,AK12S, AK15S	KA		20	4	25	3
Kitamura Valve AG06S	KG		20	4	25	4
Kitamura Valve AG09S	KH		20	4	25	4
Kitamura Valve AG13S	KJ		20	4	25	4
Kitamura Valve AW13S	KV		20	4	25	4
Kitamura Valve AW17S	KW		20	4	25	4
Kitamura Valve AW20S	KT		20	4	25	4
KITZ B series BS-2, BSW-2	B2		20	4	25	4
KITZ B series BS-3, BSW-3, Hisaka TS-6	B3		20	4	25	4
KITZ B series BS-4, BSW-4	B4		20	4	25	4
KITZ B series BS-5, BSW-5	B5		20	4	25	4
KITZ B series BS-6, BSW-6	B6		20	4	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350	RA		20	4	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000	RB		20	4	25	4
Hisaka TS-1	H1		20	4	25	4
Hisaka TS-2	H2		20	4	25	4
Hisaka TS-3	H3		20	4	25	4
Hisaka TS-4, 5	H4		20	4	25	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA		20	4	25	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3		20	4	25	4

**Table 2. Price and delivery of mountig bracket for double acting actuator**

Note to quotation

- \*1 In case of double acting actuator, a reversing relay unit required.
- \*2 Contact a sales representative if a bracket for model VFR (Flowing) or butterfly valve is required.

(8)(9)Mounting bracket for pneumatic actuators	Code	(7) Material (Bracket/Bolt)	SS400 Zinc Plated /SUS304		SUS304/SUS304	
			C		D	
			Add. Price	Deliv. (wk)	Add. Price	Deliv. (wk)
VP5,6 *1	Y1		5	4	10	4
VP7 *1	Y7		5	4	10	4
SLOP560, 1000, 1000X *1 *2	Y2		15	4	20	4
SLOP1500, 1500X *1 *2	Y3		35	4	40	4
DAP560, 1000, 1000X *1 *2	Y4		15	4	20	4
DAP1500, 1500X *1 *2	Y5		35	4	40	4
Kitamura Valve AK09, AK12, AK15 *1	KA		20	4	25	3
Kitamura Valve AG06 *1	KG		20	4	25	4
Kitamura Valve AG09 *1	KH		20	4	25	4
Kitamura Valve AG13 *1	KJ		20	4	25	4
Kitamura Valve AW13 *1	KV		20	4	25	4
Kitamura Valve AW17 *1	KW		20	4	25	4
Kitamura Valve AW20 *1	KT		20	4	25	4
KITZ B series B-2 *1	B2		20	4	25	4
KITZ B series B-3 *1	B3		20	4	25	4
KITZ B series B-4 *1	B4		20	4	25	4
KITZ B series B-5 *1	B5		20	4	25	4
KITZ B series B-6 *1	B6		20	4	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350 *1	RA		20	4	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000 *1	RB		20	4	25	4
Tomoe Valve Z series Z-06, 08, 11, 13 *1	EA		20	4	25	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *1	E3		20	4	25	4
T. V. VALVE AT4-80 *1	V1		20	4	25	4
T. V. VALVE AT4-100 *1	V2		20	4	25	4
T. V. VALVE AT4-120 *1	V3		20	4	25	4
T. V. VALVE AT4-150 *1	V4		20	4	25	4
T. V. VALVE AT4-180 *1	V5		20	4	25	4

**Table 3. Price and delivery of reversing-relay for double acting actuator**

The additional price goes with "Finish" of selection (2)	Code (2)	Add. Price 1000 yen	Deliv (Wk)
Standard	S	45	4
Corrosion resistant	B	49	8
Corrosion resistant silver	D	47	10

For air-piping connection between the SVP and reversing-relay, a vinyl-covered copper cable with Sanko's double joint (SV0602-001) is used. Other cases are subject to factory referral.

14-3-2 Smart type I/P Positioner AVP with HART communication protocol

SVP3000 Alphaplus Price List

<b>AVP302</b>	<b>153</b>	<b>161 (Mount on CV)</b>	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
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Analog Signal (4 to 20mA.DC.) with HART communication protocol

Notes

- \*1 No domestic sales in Japan due to Non-SI unit.
- \*2 Standard finish is equivalent to paint specifications Y138A. Corrosion proof is equivalent to paint specifications Y138B.
- \*3 Select model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (ground).

					Code	Add.Price	Delivery (Week)
(1)Structure		Air piping connection	Electrical connection	Bracket			
	Water-proof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	P	5	6
	FM Explosionproof and Flameproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	F	15	6
	FM Intrinsically safe	1/4 NPT internal	1/2 NPT internal	5/ 16-18	M	15	6
	CSA Explosionproof	1/4NPT internal	1/2 NPT internal	5/ 16-18	A	15	6
	KEMA/CENELEC Intrinsically safe	1/4NPT internal	M20X1.5	M8	L	15	6
(2)Finish	Standard (Baked Acrylic) *2				S	0	4
	Corrosion proof (Baked Epoxy) *2				B	15	8
	Silver finish (Baked Acrylic) *2				D	8	8
(3)Positioner	Direct Action - Air pressure increases with Control signal increase				D	0	4
	Action	Reverse Action - Airpressure decreases with Control signal increase				R	0
(4)Supply Air-pressure classification	Air supply range		Pressure gauge scale	Max regulator setting			
	130<=Ps<=150kPa	{1.3<=Ps<=1.5kgf/cm2}	200kPa {2kgf/cm2}	400kPa {4kgf/cm2}	1	0	4
	150<Ps<=300kPa	{1.5<Ps<=3.0kgf/cm2}	400kPa {4kgf/cm2}	400kPa {4kgf/cm2}	2	0	4
	300<Ps<=400kPa	{3.0<Ps<=4.0kgf/cm2}	600kPa {6kgf/cm2}	400kPa {4kgf/cm2}	3	0	4
	400<Ps<=450kPa	{4.0<Ps<=4.50kgf/cm2}	600kPa {6kgf/cm2}	700kPa {7kgf/cm2}	4	0	4
	450<Ps<=700kPa	{4.5<Ps<=7.0kgf/cm2}	1000kPa {10kgf/cm2}	700kPa {7kgf/cm2}	5	0	4
(5)Scale Unit (Pressure gauge)	kPa				A	0	4
	kgf/cm2 *1				B	0	4
	MPa				C	0	4
	bar				D	5	8
	psi *1				E	5	8
(6)Pressure regulator with filter	No selection				X	0	4
	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner *3				1	20	4
	Model KZ03 Pressure Regulator with Filter (with bracket for separated mount)				2	20	4
(7) Material of Bracket Bolts	No Selection				X	0	4
	Steel - Zinc plated		Stainless Steel		C	Refer to table 1 on Page 22-COP-6a or table 2 on Page 22-COP-6b	
	Stainless steel		Stainless Steel		D		
(8)(9) Actuators (for bracket)	No Selection				XX	0	4
	For Single acting actuator				Refer to table 1 Page 22-COP-6a		
	For Double acting actuator				Refer to table 2 Page 22-COP-6b		
(10) Option (Plural selection available)	No selection				X	0	4
	Stainless filter for KZ03 (pressure regulator with filter)				K	8	5
	Filter (Screen for air-exhaust port)				H	10	6
	Reversing Relay for Double acting actuator				W	Refer to table 3 Page 22-COP-6b	

Configuration Following shows default and optional settings of each configurable parameter of SVP.

- |                          |                          |   |
|--------------------------|--------------------------|---|
| 1. Input control signal  | 4 to 20mA                | The minimal span for custom range = 4mA         |
| 2. Output characteristic | Linear                   | EQ or QO can be ordered or set by user.         |
| 3. Valve action          | Direct (Plug above seat) | Reverse (Plug below seat) can be ordered or set |

**Table 1. Price and Delivery of Mounting Bracket for Single acting actuator**

Note to quotation

\*3 Select in the case of without manual handle or with manual handle mounted on top of the actuators. \*8

Select "YW" or "YJ" for old-type motion connectors.(Produced on/before Apr. '83)

\*9 Consult a sales representative in case of no mounting hole on the side of valve yoke.

\*12 In case "VM" type actuator is required following conditions, 1.select model "VCT" for the body, 2.the existing positioner should be HEP or VPE, 3.yoke should be model HK. If another spec. is required, contact your sales representative.

\*15 For model VSP (PVC body), an additional support bracket is required for the AVP.

(8)(9)Mounting bracket for pneumatic actuators	Code	(7) Material (Bracket/Bolt)	SS400 Zinc Plated /SUS304		SUS304/SUS304	
			C		D	
			Add. Price	Deliv. (wk)	Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS		5	3	10	3
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ		5	3	10	3
PSA3, PSA4 for existing valves produced on/before 1999	YY		5	3	10	3
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL		5	3	10	3
HA1	YA		5	3	10	3
HA2,HA3, HL2,HL3	YT		5	3	10	3
HA4, HL4	YN		5	3	10	3
HK1, VM1 *12	YK		5	3	10	3
VM12 for Model VSP *13	YB		5	4	10	4
VR1	YV		30	3	50	3
VR2,VR3	YR		30	3	50	3
RSA2	YU		5	3	10	3
GOM83S,GOM84S,GOM103S	YG		15	3	20	3
GOM124S	YM		20	3	25	3
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW		7	3	12	3
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ		7	3	12	3
Motoyama Mfg. 2800 Series 240,280,330 Nihon Koso A100 Series 270,320 *3	TA		20	4	25	3
Motoyama Mfg. 2800 Series 400,500S,500L Nihon Koso A100 Series 400,500 *3	TB		20	4	25	3
Motoyama Mfg. 2800Series 650S,650L *3	TC		40	4	40	3
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD		20	4	25	3
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE		20	4	25	3
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF		40	4	40	3
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S	TJ		20	4	25	3
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL		20	4	25	4
Motoyama Mfg. 3993 Series (Gyrol-II) 2911-1M series 280, 330, 400	TG		20	4	25	3
Nihon Koso 5100L series 240, 280 *3	TP		20	4	25	4
Nihon Koso 5200L series 218, 270, 350 *3	TR		20	4	25	3
Masoneilan 37,38 Series #9, #11 *3	MA		20	4	25	3
Masoneilan 37,38 Series #13 *3	MB		20	4	25	3
Masoneilan 37,38 Series #15,#18 *3	MC		40	4	40	3
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF		40	4	40	3
Masoneilan type 35002 Camflex II #41/2,#6 (Valve size 1in.~4in.)	MG		20	4	25	3
Masoneilan type 35002 Camflex II #7 (Valve size 6in.~12in.)	MH		20	4	25	3
Kitamura Valve AK09S,AK12S, AK15S	KA		20	4	25	3
Kitamura Valve AG06S	KG		20	4	25	4
Kitamura Valve AG09S	KH		20	4	25	4
Kitamura Valve AG13S	KJ		20	4	25	4
Kitamura Valve AW13S	KV		20	4	25	4
Kitamura Valve AW17S	KW		20	4	25	4
Kitamura Valve AW20S	KT		20	4	25	4
KITZ B series BS-2, BSW-2	B2		20	4	25	4
KITZ B series BS-3, BSW-3, Hisaka TS-6	B3		20	4	25	4
KITZ B series BS-4, BSW-4	B4		20	4	25	4
KITZ B series BS-5, BSW-5	B5		20	4	25	4
KITZ B series BS-6, BSW-6	B6		20	4	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350	RA		20	4	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000	RB		20	4	25	4
Hisaka TS-1	H1		20	4	25	4
Hisaka TS-2	H2		20	4	25	4
Hisaka TS-3	H3		20	4	25	4
Hisaka TS-4, 5	H4		20	4	25	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA		20	4	25	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3		20	4	25	4

**Table 2. Price and delivery of mountig bracket for double acting actuator**

Note to quotation

\*16 Contact a sales representative if a bracket for model VFR (Flowing) or butterfly valve is required.

(8)(9)Mounting bracket for pneumatic actuators	Code	(7) Material (Bracket/Bolt)	SS400 Zinc Plated /SUS304		SUS304/SUS304	
			C		D	
			Add. Price	Deliv. (wk)	Add. Price	Deliv. (wk)
VP5, 6 *7	Y1		5	4	10	4
VP7 *7	Y7		5	4	10	4
SLOP560, 1000, 1000X *7 *16	Y2		15	4	20	4
SLOP1500, 1500X *7 *16	Y3		35	4	40	4
DAP560, 1000, 1000X *7 *16	Y4		15	4	20	4
DAP1500, 1500X *7 *16	Y5		35	4	40	4
Kitamura Valve AK09, AK12, AK15 *7	KA		20	4	25	3
Kitamura Valve AG06 *7	KG		20	4	25	4
Kitamura Valve AG09 *7	KH		20	4	25	4
Kitamura Valve AG13 *7	KJ		20	4	25	4
Kitamura Valve AW13 *7	KV		20	4	25	4
Kitamura Valve AW17 *7	KW		20	4	25	4
Kitamura Valve AW20 *7	KT		20	4	25	4
KITZ B series B-2 *7	B2		20	4	25	4
KITZ B series B-3 *7	B3		20	4	25	4
KITZ B series B-4 *7	B4		20	4	25	4
KITZ B series B-5 *7	B5		20	4	25	4
KITZ B series B-6 *7	B6		20	4	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350 *7	RA		20	4	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000 *7	RB		20	4	25	4
Tomoe Valve Z series Z-06, 08, 11, 13 *7	EA		20	4	25	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *7	E3		20	4	25	4
T. V. VALVE AT4-80 *7	V1		20	4	25	4
T. V. VALVE AT4-100 *7	V2		20	4	25	4
T. V. VALVE AT4-120 *7	V3		20	4	25	4
T. V. VALVE AT4-150 *7	V4		20	4	25	4
T. V. VALVE AT4-180 *7	V5		20	4	25	4

**Table 3. Price and delivery of reversing-relay for double acting actuator**

The additional price goes with "Finish" of selection (2)	Code (2)	Add. Price 1000 yen	Deliv (Wk)
Standard	S	45	4
Corrosion resistant	B	49	8
Corrosion resistant silver	D	47	10

For air-piping connection between the SVP and reversing-relay, a vinyl-covered copper cable with Sanko's double joint (SV0602-001) is used. Other cases are subject to factory referral.

14-3-3. Smart type I/P Positioner AVP Remote type

SVP3000 Alphaplus Price List

<b>AVP200</b>	<b>177</b>	<b>185 (mount on CV)</b>	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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Analog Signal (4 to 20mA.DC.) without travel transmission.

<b>AVP201</b>	<b>202</b>	<b>210 (mount on CV)</b>
---------------	------------	--------------------------

Analog Signal (4 to 20mA.DC.) with travel transmission.

Note

- \*1 1 set of JIS Flameproof cable gland shall be attached for AVP200 model. 2 sets are for AVP201 model.
- \*2 Standard finish is equal to previous Y138A. Corrosion proof is equal to previous Y138B.
- \*3 No domestic sales in Japan due to Non-SI unit.
- \*4 For JIS Flameproof model, these elbows should be put on the supplied cable gland. Code "A" and "C" can not be selected simultaneously.
- \*5 Select "YW" or "YJ" for old-type motion connectors.
- \*6 Code "W" of option (10) must be selected.
- \*7 Select model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (ground).
- \*15 Select the option with the restoration feedback lever, if GOM manufactured before April, 1988. Select the option '8' (Accessory bracket for GOM actuator -Use the case of existing GOP) if the existing control valve assembled with GOP and the accessories such as the Lock-Up valves and solenoid valves.

							Delivery	
		Connection	Air piping	Electrical connection	Mounting thread	Code	Add. Price	weeks
(1)Structure	Water-proof		RC 1/4	G1/2	M8	X	0	4
	Water-proof		1/4 NPT internal	1/2 NPT interna	5/ 16-18	P	5	8
	JIS Flameproof with cable gland *1		Rc 1/4	G1/2	M8	E	22	4
(2)Finish	Standard (Baked Acrylic)	*2				S	0	4
	Corrosion proof (Baked Epoxy)	*2				B	15	8
	Silver finish (Baked Acrylic)					D	8	10
(3)Positioner Action	Direct Action - Air pressure increases with Control signal increase					D	0	4
	Reverse Action - Air pressure decreases with Control signal increase					R	0	4
(4)Supply Air-pressure classification	Air supply range		Pressure gauge scale		Max regulator setting			
	130<=Ps<=150kPa {1.3<=Ps<=1.5kgf/cm <sup>2</sup> }		200kPa {2kgf/cm <sup>2</sup> }		400kPa {4kgf/cm <sup>2</sup> }	1	0	4
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm <sup>2</sup> }		400kPa {4kgf/cm <sup>2</sup> }		400kPa {4kgf/cm <sup>2</sup> }	2	0	4
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm <sup>2</sup> }		600kPa {6kgf/cm <sup>2</sup> }		400kPa {4kgf/cm <sup>2</sup> }	3	0	4
	400<Ps<=450kPa {4.0<Ps<=4.50kgf/cm <sup>2</sup> }		600kPa {6kgf/cm <sup>2</sup> }		700kPa {7kgf/cm <sup>2</sup> }	4	0	4
450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm <sup>2</sup> }		1000kPa {10kgf/cm <sup>2</sup> }		700kPa {7kgf/cm <sup>2</sup> }	5	0	4	
(5)Scale Unit (Pressure gauge)	kPa					A	0	4
	kgf/cm <sup>2</sup>	*3				B	0	4
	MPa					C	0	4
	bar					D	5	8
	psi	*3				E	5	8
(6)Pressure regulator with filter	No selection					X	0	4
	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner) *7					1	20	4
(7) Cable length	3 m (For ambient temperature -40 to +80 deg.C)					3	0	4
	5 m (For ambient temperature -40 to 80 deg.C)					5	2	4
	10 m (For ambient temperature -40 to 80 deg.C)					T	7	4
	20 m (For ambient temperature -40 to +80 dig. C)					W	17	4
(8)(9) Actuators (for bracket)	No Selection					XX	0	4
	For Single acting actuator					Refer to table 1 Page 22-COP-7a		
	For Double acting actuator					Refer to table 2 Page 22-COP-7b		
(10) Option	No selection					X	0	4
	Universal Elbow Explosion-proof (SUS304 G1/2) 1pc . For AVP200 *4					A	2	4
	Universal Elbow Explosion-proof (SUS304 G1/2) 2pcs. For AVP201 *4					C	4	4
	Stainless filter for KZ03 (pressure regulator with filter)					K	8	5
	Stainless mounting kit of a positioner side and pressure regulator with filter					U	20	5
	Reversing Relay for Double acting actuator					W	Refer to tables on page 22-COP-7b	
	Seal tape prohibited					J	5	4
	Mounting bracket for accesories on GOM actuator (in case of replace GOP) *15					8	20	4

# Accessories

Issued : Jun. 1, 2002	Page : 22-COP- 7a
Effective : Mar. 1, 2003	UNIT : 1000YEN

**Table 1. Price and Delivery of Mounting Bracket for Single acting actuator**

Note to quotation

- \*2 If no suitable mounting bracket can be found, contact a sales representative.
- \*5 Select in the case of without manual handle or with manual handle mounted on top of the actuators.
- \*8 Select "YW" or "YJ" for old-type motion connectors.(Produced on/before Apr. '83)
- \*9 Consult a sales representative in case of no mounting hole on the side of valve yoke.
- \*10 In case "VM" type actuator is required following conditions, 1.select model "VCT" for the body, 2.the existing positioner should be HEP or VPE, 3.yoke should be model HK. If another spec. is required, contact your sales representative.
- \*13 For model VSP (PVC body), an additional support bracket is required for the AVP.

SUS304/SUS304

(8)(9)Mounting bracket for pneumatic actuators	Code	D	
		Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS	15	4
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ	15	4
PSA3,PSA4 for existing valves produced on/before 1999	YY	15	4
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL	15	4
HA1	YA	15	4
HA2,HA3, HL2,HL3	YT	15	4
HA4, HL4	YN	15	4
HK1, VM1 *10 (material SS400 zinc plated)	YK	15	4
VR1 (material SS400 zinc plated)	YV	30	4
VR2,VR3 (material SS400 zinc plated)	YR	30	4
RSA2	YU	20	4
GOM83S,GOM84S,GOM103S	YG	25	4
GOM124S	YM	25	4
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW	15	4
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ	15	4
Motoyama Mfg. 2800 Series 240,280,330, Nihon Koso A100 Series 270,320 *5	TA	25	4
Motoyama Mfg. 2800 Series 400,500S,500L, Nihon Koso A100 Series 400,500 *5	TB	25	4
Motoyama Mfg. 2800Series 650S,650L *5	TC	40	4
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD	25	4
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE	25	4
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF	40	4
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S *5	TJ	25	4
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL	20	4
Motoyama Mfg. 3993 Series (Gyrol-II) 280,330,400, 2911-1M series 280H, 330H, 400H	TG	20	4
Masoneilan 37,38 Series #9, #11 *5	MA	25	4
Masoneilan 37,38 Series #13 *5	MB	25	4
Masoneilan 37,38 Series #15,#18 *5	MC	40	4
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	4
Masoneilan type 35002 Camflex II #4-1/2, #6, #7	MG	25	4
Nihon Koso TC-500 series TC520S	TP	25	4
Nihon Koso TC-700 series TC-713S	TS	25	4
Nihon Koso TC-700 series TC-722SS	TT	25	4
Kitamura Valve AK05S, AK09S,AK12S, AK15S	KA	15	4
Kitamura Valve AG06S	KG	15	4
Kitamura Valve AG09S	KH	15	4
Kitamura Valve AG13S	KJ	15	4
Kitamura Valve AW13S	KV	15	4
Kitamura Valve AW17S	KW	15	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA	15	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3	15	4
Fisher 657,667 series 50	FC	25	4
Fisher 657,667 series 60	FD	25	4

## Accessories

Issued : Jun. 1, 2002	Page : 22-COP- 7b
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**Table 2. Price and delivery of mountig bracket for double acting actuator**

Note to quotation

\*7 For the double acting actuator, a reversing relay unit is required.

\*14 If the valve body is for VFR (FloWing) or a butterfly valve, for the mounting bracket requirement consult to our sales.

\*15 Select the option with the restoration feedback lever, if GOM manufactured before April, 1988.

Select the option '8' (Accessory bracket for GOM actuator -Use the case of existing GOP) if the existing control valve assembled with GOP and the accessories such as the Lock-Up valves and solenoid valves.

\*16 Confirm that boss's pitch of the actuator side is 69mm, if it is required to assemble the mounting bracket to the actuator.

SUS304/SUS304

D

(8)(9)Mounting bracket for pneumatic actuators	Code	Add. Price	Deliv. (wk)
VP5, 6 *7	Y1	15	4
SLOP560, 1000, 1000X *14	Y2	25	4
SLOP1500, 1500X *14	Y3	45	4
DAP560, 1000, 1000X *14	Y4	25	4
DAP560, 1500, 1500X *14	Y5	45	4
GOM44L, 44LM (Springless horizontal) *7	G1	35	4
GOM410L, 410LM (Springless horizontal) *7	G2	35	4
GOM64L, 64LM (Springless horizontal) *7	G3	35	4
GOM66L, 66LM (Springless horizontal) *7	G4	35	4
GOM610L, 610LM (Springless horizontal) *7	G5	35	4
GOM84L, 84LM (Springless horizontal) *7	G6	35	4
GOM86L, 86LM (Springless horizontal) *7	G7	35	4
GOM810L, 810LM (Springless horizontal) *7	G8	35	4
GOM1210L, 1210LM (Springless horizontal) *7	GT	35	4
GOM1510L, 1510LM (Springless horizontal) *7	GU	35	4
GOM44L, 44LM (Springless horizontal) with restoration feedback lever *7 *15	GE	45	4
GOM410L, 410LM (Springless horizontal) with restoration feedback lever *7 *15	GF	45	4
GOM64L, 64LM (Springless horizontal) with restoration feedback lever *7 *15	GG	45	4
GOM66L, 66LM (Springless horizontal) with restoration feedback lever *7 *15	GH	45	4
GOM610L, 610LM (Springless horizontal) with restoration feedback lever *7 *15	GJ	45	4
GOM84L, 84LM (Springless horizontal) with restoration feedback lever *7 *15	GK	45	4
GOM86L, 86LM (Springless horizontal) with restoration feedback lever *7 *15	GL	45	4
GOM810L, 810LM (Springless horizontal) with restoration feedback lever *7 *15	GM	45	4
GOM1210L, 1210LM (Springless horizontal) with restoration feedback lever *7 *15	GN	45	4
GOM1510L, 1510LM (Springless horizontal) with restoration feedback lever *7 *15	GP	55	4
GOM84LM (Springless vertical) *7	GB	25	4
GOM124LM (Springless vertical) *7	GC	25	4
Nihon Koso 6300 series 63A2, AT series AT20 *7	T2	25	4
Nihon Koso 6300 series 63A3, B2, BA, B3, BB, B5, AT series AT-30, 200, 250, 300, 350, 500	T3	25	4
Nihon Koso 6300 series 63A4, A5, A6, AT series AT40, AT50, AT60 *7	T4	25	4
Nihon Koso 6300 series AT series AT25 *7	T5	25	4
Nihon Koso TC-500 series TC-520W *7 *16	TP	25	4
Nihon Koso TC-700 series TC-713W *7	TS	25	4
Kitamura Valve AK05, AK09, AK12, AK15 *7	KA	15	4
Kitamura Valve AG06 *7	KG	15	4
Kitamura Valve AG09 *7	KH	15	4
Kitamura Valve AG13 *7	KJ	15	4
Kitamura Valve AW13 *7	KV	15	4
Kitamura Valve AW17 *7	KW	15	4
KITZ B series BS-2, BSW-2, B-2 *7	B2	15	4
KITZ B series BS-3, BSW-3, B-3 *7	B3	15	4
KITZ B series BS-4, BSW-4, B-4 *7	B4	15	4
KITZ B series BS-5, BSW-5, B-5 *7	B5	15	4
KITZ B series BS-6, BSW-6, B-6 *7	B6	15	4
Tomoe Valve Z series Z-06, 08, 11, 13 *7	EA	15	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *7	E3	15	4
NELES BC series BC/BIC11 *7	NB	15	4

**Table 3. Price and delivery of reversing-relay for double acting actuator**

The additional price goes with "Finish" of selection (2)	Code (2)	Add. Price 1000 yen	Deliv. (wk)
Standard	S	45	4
Corrosion resistant	B	49	8
Corrosion resistant silver	D	47	10

For air-piping connection between the SVP and reversing-relay, a vinyl-covered copper cable with Sanko's double joint (SV0602-001) is used. Other cases are subject to factory referral.

# Accessories

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Effective : Mar. 1, 2003	UNIT : 1000YEN

## 14-3-4 Smart type I/P Positioner AVP Remote type with HART communication protocol

### SVP3000 Alphaplus Price List

<b>AVP202</b>	<b>190</b>	<b>198 (Mount on CV)</b>	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
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Analog Signal(4 to 20mA.DC.) with HART communication protocol

#### Note

- \*1 1 set of JIS Flameproof cable gland shall be attached.
- \*2 Standard finish is equal to previous Y138A. Corrosion finish equal to previous Y138B.
- \*3 No domestic sales in Japan due to Non-SI unit.
- \*4 For JIS Flameproof model, these elbows should be put on the supplied cable gland.
- \*5 Select "YW" or "YJ" for old-type motion connectors.
- \*6 Code "W" of option (10) must be selected.
- \*7 Select model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (ground)
- \*15 Select the option with the restoration feedback lever, if GOM manufactured before April, 1988. Select the option '8' (Accessory bracket for GOM actuator -Use the case of existing GOP) if the existing control valve assembled with GOP and the accessories such as the Lock-Up valves and solenoid valves.

		Air piping connection	Electrical connection	Mounting thread	Code	Add.Price	Delivery (Week)
(1)Structure	Water-proof	Rc1/4	G1/2	M8	X	0	6
	Water-proof	1/4 NPT internal	1/2 NPT internal	5/16-18	P	5	8
	JIS Flameproof with cable gland *1	Rc1/4	G1/2	M8	E	22	6
(2)Finish	Standard (Baked Acrylic) *2				S	0	4
	Corrosion proof (Baked Epoxy) *2				B	15	8
	Silver finish (Baked Acrylic)				D	8	10
(3)Positioner Action	Direct Action - Air pressure increases with Control signal increase				D	0	4
	Reverse Action - Air pressure decreases with Control signal increase				R	0	4
(4)Supply Air-pressure classification	Air supply range		Pressure gauge scale	Max regulator setting			
	130≤Ps≤150kPa	{1.3≤Ps≤1.5kgf/cm <sup>2</sup> }	200kPa {2kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	1	0	4
	150<Ps≤300kPa	{1.5<Ps≤3.0kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	2	0	4
	300<Ps≤400kPa	{3.0<Ps≤4.0kgf/cm <sup>2</sup> }	600kPa {6kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	3	0	4
	400<Ps≤450kPa	{4.0<Ps≤4.5kgf/cm <sup>2</sup> }	600kPa {6kgf/cm <sup>2</sup> }	700kPa {7kgf/cm <sup>2</sup> }	4	0	4
(5)Scale Unit (Pressure gauge)	kPa				A	0	4
	kgf/cm <sup>2</sup>	*3			B	0	4
	MPa				C	0	4
	bar				D	5	8
	psi	*3			E	5	8
(6)Pressure regulator with filter	No selection				X	0	4
	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner) *7				1	20	4
(7) Cable length	3m (For ambient temperature -40 to +80 deg.C)				3	0	4
	5m (For ambient temperature -40 to +80 deg.C)				5	2	4
	10m (For ambient temperature -40 to +80 deg.C)				T	7	4
	20m (For ambient temperature -40 to +80 deg.C)				W	17	4
(8)(9) Actuators (for bracket)	No Selection				XX	0	4
	For Single acting actuator						Refer to table 1, page 22-COP-8a
	For Double acting actuator						Refer to table 2, page 22-COP-8b
(10) Option	No selection				X	0	4
	Universal Elbow Explosion-ploof (SUS304 G1/2) 1pc. *4				A	2	5
	Stainless filter for KZ03 (pressure regulator with filter)				K	8	5
	Stainless mounting kit of a positioner side and pressure regulator with filter				U	20	5
	Reversing Relay for Double acting actuator				W		Refer to table 3, Page 22-COP-8b
	Mounting bracket for accesories on GOM actuator (in case of replace GOP) *15				8	20	4

Configuration Following shows default and optional settings of each configurable parameter of SVP.

- |                          |                          |   |
|--------------------------|--------------------------|---|
| 1. Input control signal  | 4 to 20mA                | The minimal span for custom range = 4mA         |
| 2. Output characteristic | Linear                   | EQ or QO can be ordered or set by user.         |
| 3. Valve action          | Direct (Plug above seat) | Reverse (Plug below seat) can be ordered or set |

**Table 1. Price and Delivery of Mounting Bracket for Single acting actuator**

Note to quotation

- \*2 If no suitable mounting bracket can be found, contact a sales representative.
- \*5 Select in the case of without manual handle or with manual handle mounted on top of the actuators.
- \*8 Select "YW" or "YJ" for old-type motion connectors.(Produced on/before Apr. '83)
- \*9 Consult a sales representative in case of no mounting hole on the side of valve yoke.
- \*10 In case "VM" type actuator is required following conditions, 1.select model "VCT" for the body, 2.the existing positioner should be HEP or VPE, 3.yoke should be model HK. If another spec. is required, contact your sales representative.
- \*13 For model VSP (PVC body), an additional support bracket is required for the AVP.

SUS304/SUS304

(8)(9)Mounting bracket for pneumatic actuators	Code	D	
		Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS	15	4
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ	15	4
PSA3,PSA4 for existing valves produced on/before 1999	YY	15	4
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL	15	4
HA1	YA	15	4
HA2,HA3, HL2,HL3	YT	15	4
HA4, HL4	YN	15	4
HK1, VM1 *10 (material SS400 zinc plated)	YK	15	4
VR1 (material SS400 zinc plated)	YV	30	4
VR2,VR3 (material SS400 zinc plated)	YR	30	4
RSA2	YU	20	4
GOM83S,GOM84S,GOM103S	YG	25	4
GOM124S	YM	25	4
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW	15	4
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ	15	4
Motoyama Mfg. 2800 Series 240,280,330, Nihon Koso A100 Series 270,320 *5	TA	25	4
Motoyama Mfg. 2800 Series 400,500S,500L, Nihon Koso A100 Series 400,500 *5	TB	25	4
Motoyama Mfg. 2800Series 650S,650L *5	TC	40	4
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD	25	4
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE	25	4
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF	40	4
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S *5	TJ	25	4
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL	20	4
Motoyama Mfg. 3993 Series (Gyrol-II) 280,330,400, 2911-1M series 280H, 330H, 400H	TG	20	4
Masoneilan 37,38 Series #9, #11 *5	MA	25	4
Masoneilan 37,38 Series #13 *5	MB	25	4
Masoneilan 37,38 Series #15,#18 *5	MC	40	4
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	4
Masoneilan type 35002 Camflex II #4-1/2, #6, #7	MG	25	4
Nihon Koso TC-500 series TC520S	TP	25	4
Nihon Koso TC-700 series TC-713S	TS	25	4
Nihon Koso TC-700 series TC-722SS	TT	25	4
Kitamura Valve AK05S, AK09S,AK12S, AK15S	KA	15	4
Kitamura Valve AG06S	KG	15	4
Kitamura Valve AG09S	KH	15	4
Kitamura Valve AG13S	KJ	15	4
Kitamura Valve AW13S	KV	15	4
Kitamura Valve AW17S	KW	15	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA	15	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3	15	4
Fisher 657,667 series 50	FC	25	4
Fisher 657,667 series 60	FD	25	4

**AVP202**

**Table 2. Price and delivery of mountig bracket for double acting actuator**

Note to quotation

\*7 For the double acting actuator, a reversing relay unit is required.

\*14 If the valve body is for VFR (FloWing) or a butterfly valve, for the mounting bracket requirement consult to our sales.

\*15 Select the option with the restoration feedback lever, if GOM manufactured before April, 1988.

Select the option '8' (Accessory bracket for GOM actuator -Use the case of existing GOP) if the existing control valve assembled with GOP and the accessories such as the Lock-Up valves and solenoid valves.

\*16 Confirm that boss's pitch of the actuator side is 69mm, if it is required to assemble the mounting bracket to the actuator.

SUS304 / SUS304

(8)(9)Mounting bracket for pneumatic actuators	Code	D	
		Add. Price	Deliv. (wk)
VP5, 6 *7	Y1	15	4
SLOP560, 1000, 1000X *14	Y2	25	4
SLOP1500, 1500X *14	Y3	45	4
DAP560, 1000, 1000X *14	Y4	25	4
DAP560, 1500, 1500X *14	Y5	45	4
GOM44L, 44LM (Springless horizontal) *7	G1	35	4
GOM410L, 410LM (Springless horizontal) *7	G2	35	4
GOM64L, 64LM (Springless horizontal) *7	G3	35	4
GOM66L, 66LM (Springless horizontal) *7	G4	35	4
GOM610L, 610LM (Springless horizontal) *7	G5	35	4
GOM84L, 84LM (Springless horizontal) *7	G6	35	4
GOM86L, 86LM (Springless horizontal) *7	G7	35	4
GOM810L, 810LM (Springless horizontal) *7	G8	35	4
GOM1210L, 1210LM (Springless horizontal) *7	GT	35	4
GOM1510L, 1510LM (Springless horizontal) *7	GU	35	4
GOM44L, 44LM (Springless horizontal) with restoration feedback lever *7 *15	GE	45	4
GOM410L, 410LM (Springless horizontal) with restoration feedback lever *7 *15	GF	45	4
GOM64L, 64LM (Springless horizontal) with restoration feedback lever *7 *15	GG	45	4
GOM66L, 66LM (Springless horizontal) with restoration feedback lever *7 *15	GH	45	4
GOM610L, 610LM (Springless horizontal) with restoration feedback lever *7 *15	GJ	45	4
GOM84L, 84LM (Springless horizontal) with restoration feedback lever *7 *15	GK	45	4
GOM86L, 86LM (Springless horizontal) with restoration feedback lever *7 *15	GL	45	4
GOM810L, 810LM (Springless horizontal) with restoration feedback lever *7 *15	GM	45	4
GOM1210L, 1210LM (Springless horizontal) with restoration feedback lever *7 *15	GN	45	4
GOM1510L, 1510LM (Springless horizontal) with restoration feedback lever *7 *15	GP	55	4
GOM84LM (Springless vertical) *7	GB	25	4
GOM124LM (Springless vertical) *7	GC	25	4
Nihon Koso 6300 series 63A2, AT series AT20 *7	T2	25	4
Nihon Koso 6300 series 63A3, B2, BA, B3, BB, B5, AT series AT-30, 200, 250, 300, 350, 500	T3	25	4
Nihon Koso 6300 series 63A4, A5, A6, AT series AT40, AT50, AT60 *7	T4	25	4
Nihon Koso 6300 series AT series AT25 *7	T5	25	4
Nihon Koso TC-500 series TC-520W *7 *16	TP	25	4
Nihon Koso TC-700 series TC-713W *7	TS	25	4
Kitamura Valve AK05, AK09, AK12, AK15 *7	KA	15	4
Kitamura Valve AG06 *7	KG	15	4
Kitamura Valve AG09 *7	KH	15	4
Kitamura Valve AG13 *7	KJ	15	4
Kitamura Valve AW13 *7	KV	15	4
Kitamura Valve AW17 *7	KW	15	4
KITZ B series BS-2, BSW-2, B-2 *7	B2	15	4
KITZ B series BS-3, BSW-3, B-3 *7	B3	15	4
KITZ B series BS-4, BSW-4, B-4 *7	B4	15	4
KITZ B series BS-5, BSW-5, B-5 *7	B5	15	4
KITZ B series BS-6, BSW-6, B-6 *7	B6	15	4
Tomoe Valve Z series Z-06, 08, 11, 13 *7	EA	15	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *7	E3	15	4
NELES BC series BC/BIC11 *7	NB	15	4

**Table 3. Price and delivery of reversing-relay for double acting actuator**

The additional price goes with "Finish" of selection (2)	Code (2)	Add. Price 1000 yen	Deliv. (wk)
Standard	S	45	4
Corrosion resistant	B	49	8
Corrosion resistant silver	D	47	10

For air-piping connection between the SVP and reversing-relay, a vinyl-covered copper cable with Sanko's double joint (SV0602-001) is used. Other cases are subject to factory referral.

**14-3 Smart type I/P positioner**  
**14-3-5 AVP 303**

**Fieldbus**

**SVP3000 Alphaplus Price List**

<b>AVP303</b>	<b>185</b>	<b>193 (Mount on CV)</b>	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
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FOUNDATION fieldbus signal

Notes on quotation

The price for the mounting bracket shall be added if the CV needs to be equipped with an AVP.

\*1 1 set of JIS Flameproof cable glands will be attached for AVP303 model.

\*2 No domestic sales in Japan due to Non-SI unit.

\*5 Code "E" and "N" can not be selected simultaneously.

\*6 Code "F" and "G" can not be selected simultaneously.

In case of JIS explosion-proof, the conduit adaptor shall be provided on the top of the flameproof cable gland.

\*7 In case of double acting actuator, a reversing relay unit is required.

\*11 Standard finish is equivalent to previous Y138A. Corrosion-proof is equivalent to previous Y138B.

\*13 Select model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (group)

\*14 If a mounting bracket is not required, selected "XX".

		Code	Add.Price	Delivery (wk)
(1)Structure	Connection	Air piping connection	Electrical connection	Mounting thread
	Waterproof	Rc1/4	G1/2	M8
	Waterproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18
	JIS Flameproof with cable gland *1	Rc 1/4	G1/2	M8
(2)Finish	Standard (Baked Acrylic)	*11		S
	Corrosion-proof (Baked Epoxy)	*11		B
	Silver finish (Baked Acrylic)			D
(3)Positioner action	Direct Action - Air pressure increases with Control signal increase			D
	Reverse Action - Airpressure decreases with Control signal increase			R
(4)Supply Air-pressure classification	Air supply range	Pressure gauge scale	Max regulator setting	
	130<=Ps<=150kPa {1.3<=Ps<=1.5kgf/cm <sup>2</sup> }	200kPa {2kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	1
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	2
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm <sup>2</sup> }	600kPa {6kgf/cm <sup>2</sup> }	400kPa {4kgf/cm <sup>2</sup> }	3
	400<Ps<=450kPa {4.0<Ps<=4.5kgf/cm <sup>2</sup> }	600kPa {6kgf/cm <sup>2</sup> }	700kPa {7kgf/cm <sup>2</sup> }	4
	450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm <sup>2</sup> }	1000kPa {10kgf/cm <sup>2</sup> }	700kPa {7kgf/cm <sup>2</sup> }	5
(5)Scale Unit (Pressure gauge)	kPa			A
	kgf/cm <sup>2</sup> *2			B
	MPa			C
	bar			D
	psi *2			E
(6)Pressure regulator with filter	No selection			X
	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner) *13			1
	Model KZ03 Pressure Regulator with Filter (with bracket for separated mount)			2
(7) Material of Bracket Bolts	No Selection *14			X
	Steel - Zinc plated	Stainless Steel		
	Stainless steel	Stainless Steel		
(8)(9) Actuators (for bracket)	No Selection *14			XX
	For Single acting actuator			Refer to table 1 on Page 22-COP-9a
	For Double acting actuator			Refer to table 2 on Page 22-COP-9b
(10) Option (Plural selection available)	No selection			X
	Universal Elbow Explosion-proof (SUS304 G1/2) 1 pc.			A
	Reversing Relay for Double acting actuator *7			W
	Stainless filter for KZ03 (pressure regulator with filter)			K
	2 pcs of adapter for Air piping connection (Rc1/4 to 1/4NPT) for single acting actuator *5			E
	3 pcs of Adapter for Air piping connection (Rc1/4 to 1/4NPT) for double acting actuator*5			N
	1 pc of adapter for electric connection (G1/2 to 1/2NPT) *6			F
	2 pcs of adapter for electric connection (G1/2 to 1/2NPT) *6			G
	Sealing tape not permitted			J
	Filter (Screen for air-exhaust port)			H

# Accessories

## Fieldbus

AVP 303

**Table 1. Price and Delivery of Mounting Bracket for Single acting actuator**

Note to quotation

- \*3 Select in the case of without manual handle or with manual handle mounted on top of the actuators.
- \*8 Select "YW" or "YJ" for old-type motion connectors.(Produced on/before Apr. '83)
- \*9 Consult a sales representative in case of no mounting hole on the side of valve yoke.
- \*12 In case "VM" type actuator is required following conditions, 1.select model "VCT" for the body, 2.the existing positioner should be HEP or VPE, 3.yoke should be model HK. If another spec. is required, contact your sales representative.
- \*15 For model VSP (PVC body), an additional support bracket is required for the AVP.

(8)(9)Mounting bracket for pneumatic actuators	Code	(7) Material (Bracket / Bolt)	SS400 Zinc Plated /SUS304		SUS304/SUS304	
			C		D	
			Add. Price	Deliv. (wk)	Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS		5	3	10	3
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ		5	3	10	3
PSA3, PSA4 for existing valves produced on/before 1999	YY		5	3	10	3
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL		5	3	10	3
HA1	YA		5	3	10	3
HA2,HA3, HL2,HL3	YT		5	3	10	3
HA4, HL4	YN		5	3	10	3
HK1, VM1 *12	YK		5	3	10	3
VM12 for Model VSP *13	YB		5	4	10	4
VR1	YV		30	3	50	3
VR2,VR3	YR		30	3	50	3
RSA2	YU		5	3	10	3
GOM83S,GOM84S,GOM103S	YG		15	3	20	3
GOM124S	YM		20	3	25	3
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW		7	3	12	3
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ		7	3	12	3
Motoyama Mfg. 2800 Series 240,280,330 Nihon Koso A100 Series 270,320 *3	TA		20	4	25	3
Motoyama Mfg. 2800 Series 400,500S,500L Nihon Koso A100 Series 400,500 *3	TB		20	4	25	3
Motoyama Mfg. 2800Series 650S,650L *3	TC		40	4	40	3
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD		20	4	25	3
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE		20	4	25	3
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF		40	4	40	3
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S	TJ		20	4	25	3
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL		20	4	25	4
Motoyama Mfg. 3993 Series (Gyrol-II) 2911-1M series 280, 330, 400	TG		20	4	25	3
Nihon Koso 5100L series 240, 280 *3	TP		20	4	25	4
Nihon Koso 5200L series 218, 270, 350 *3	TR		20	4	25	4
Masoneilan 37,38 Series #9, #11 *3	MA		20	4	25	3
Masoneilan 37,38 Series #13 *3	MB		20	4	25	3
Masoneilan 37,38 Series #15,#18 *3	MC		40	4	40	3
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF		40	4	40	3
Masoneilan type 35002 Camflex II #41/2,#6 (Valve size 1in.~4in.)	MG		20	4	25	3
Masoneilan type 35002 Camflex II #7 (Valve size 6in.~12in.)	MH		20	4	25	3
Kitamura Valve AK09S,AK12S, AK15S	KA		20	4	25	3
Kitamura Valve AG06S	KG		20	4	25	4
Kitamura Valve AG09S	KH		20	4	25	4
Kitamura Valve AG13S	KJ		20	4	25	4
Kitamura Valve AW13S	KV		20	4	25	4
Kitamura Valve AW17S	KW		20	4	25	4
Kitamura Valve AW20S	KT		20	4	25	4
KITZ B series BS-2, BSW-2	B2		20	4	25	4
KITZ B series BS-3, BSW-3, Hisaka TS-6	B3		20	4	25	4
KITZ B series BS-4, BSW-4	B4		20	4	25	4
KITZ B series BS-5, BSW-5	B5		20	4	25	4
KITZ B series BS-6, BSW-6	B6		20	4	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350	RA		20	4	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000	RB		20	4	25	4
Hisaka TS-1	H1		20	4	25	4
Hisaka TS-2	H2		20	4	25	4
Hisaka TS-3	H3		20	4	25	4
Hisaka TS-4, 5	H4		20	4	25	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA		20	4	25	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3		20	4	25	4

AVP 303

Fieldbus

**Table 2. Price and delivery of mountig bracket for double acting actuator**

Note to quotation

\*7 For the double acting actuator, a reversing relay unit is required.

\*16 Contact a sales representative if a bracket for model VFR (Flowing) or butterfly valve is required.

(8)(9)Mounting bracket for pneumatic actuators	Code	(7) Material (Bracket/Bolt)	SS400 Zinc Plated /SUS304		SUS304/SUS304	
			C		D	
			Add. Price	Deliv. (wk)	Add. Price	Deliv. (wk)
VP5, 6 *7	Y1		5	4	10	4
VP7 *7	Y7		5	4	10	4
SLOP560, 1000, 1000X *7 *16	Y2		15	4	20	4
SLOP1500, 1500X *7 *16	Y3		35	4	40	4
DAP560, 1000, 1000X *7 *16	Y4		15	4	20	4
DAP1500, 1500X *7 *16	Y5		35	4	40	4
Kitamura Valve AK09, AK12, AK15 *7	KA		20	4	25	3
Kitamura Valve AG06 *7	KG		20	4	25	4
Kitamura Valve AG09 *7	KH		20	4	25	4
Kitamura Valve AG13 *7	KJ		20	4	25	4
Kitamura Valve AW13 *7	KV		20	4	25	4
Kitamura Valve AW17 *7	KW		20	4	25	4
Kitamura Valve AW20 *7	KT		20	4	25	4
KITZ B series B-2 *7	B2		20	4	25	4
KITZ B series B-3 *7	B3		20	4	25	4
KITZ B series B-4 *7	B4		20	4	25	4
KITZ B series B-5 *7	B5		20	4	25	4
KITZ B series B-6 *7	B6		20	4	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350 *7	RA		20	4	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000 *7	RB		20	4	25	4
Tomoe Valve Z series Z-06, 08, 11, 13 *7	EA		20	4	25	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *7	E3		20	4	25	4
T. V. VALVE AT4-80 *7	V1		20	4	25	4
T. V. VALVE AT4-100 *7	V2		20	4	25	4
T. V. VALVE AT4-120 *7	V3		20	4	25	4
T. V. VALVE AT4-150 *7	V4		20	4	25	4
T. V. VALVE AT4-180 *7	V5		20	4	25	4

**Table 3. Price and delivery of reversing-relay for double acting actuator**

The additional price goes with "Finish" of selection (2)	Code (2)	Add. Price 1000 yen	Deliv (Wk)
Standard	S	45	4
Corrosion resistant	B	49	8
Corrosion resistant silver	D	47	10

For air-piping connection between the SVP and reversing-relay, a vinyl-covered copper cable with Sanko's double joint (SV0602-001) is used. Other cases are subject to factory referral.

Smart valve positioner with Fieldbus remote type

**Fieldbus**

14-3-6 AVP203

SVP3000 Alphaplus Price List

<b>AVP203</b>	<b>222</b>	<b>230 (Mount on CV)</b>	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
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FOUNDATION fieldbus signal

Notes on quotation

The price for the mounting bracket shall be added if the CV needs to be equipped with an AVP.

\*1 No domestic sales in Japan due to Non-SI unit.

\*3 Select model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (ground).

\*6 Can be selected if the code selection is "1" for air set (option 6).

\*7 In case of double acting actuator, a reversing relay unit is required.

\*8 Standard finish is equivalent to the previous Y138A. Corrosion-proof certification is equivalent to previous Y138B

\*15 Select the option with the restoration feedback lever, if GOM manufactured before April, 1988. Select the option '8' (Accessory bracket for GOM actuator -Use the case of existing GOP) if the existing control valve assembled with GOP and the accessories such as the Lock-Uj valves and solenoid valves.

Connection		Air piping connection	Electrical connection	Mounting thread	Code	Add.Price	Delivery (week)
(1)Structure	Waterproof	Rc1/4	G1/2	M8	X	0	4
	Waterproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	P	5	8
	JIS Flameproof with cable gland	Rc 1/4	G1/2	M8	E	22	4
(2)Finish	Standard (Baked Acrylic) *8				S	0	4
	Corrosion-proof (Baked Epoxy) *8				B	15	8
	Silver finish (Baked Acrylic)				D	8	10
(3)Positioner action	Direct Action - Air pressure increases with control signal increase				D	0	4
	Reverse Action - Air pressure decreases with control signal increase				R	0	4
(4)Supply Air-pressure classification	Air supply range		Pressure gauge scale	Max regulator setting			
	130<=Ps<=150kPa {1.3<=Ps<=1.5kgf/cm2}		200kPa {2kgf/cm2}	400kPa {4kgf/cm2}	1	0	4
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm2}		400kPa {4kgf/cm2}	400kPa {4kgf/cm2}	2	0	4
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm2}		600kPa {6kgf/cm2}	400kPa {4kgf/cm2}	3	0	4
	400<Ps<=450kPa {4.0<Ps<=4.5kgf/cm2}		600kPa {6kgf/cm2}	700kPa {7kgf/cm2}	4	0	4
450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm2}		1000kPa {10kgf/cm2}	700kPa {7kgf/cm2}	5	0	4	
(5)Scale Unit (Pressure gauge)	kPa				A	0	4
	kgf/cm2 *1				B	0	4
	MPa				C	0	4
	bar				D	5	8
	psi *1				E	5	8
(6)Pressure regulator with filter	No selection				X	0	4
	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner) *3				1	20	4
(7) Cable length	3m (For ambient temperature -40 to +80 deg.C)				3	0	4
	5m (For ambient temperature -40 to +80 deg.C)				5	2	4
	10m (For ambient temperature -40 to +80 deg.C)				T	7	4
	20m (For ambient temperature -40 to +80 deg.C)				W	17	4
(8)(9) Actuators (for bracket)	No Selection				XX	0	4
	For Single acting actuator				Refer to table 1 on Page 22-COP-10a		
	For Double acting actuator				Refer to table 2 on Page 22-COP-10b		
(10) Option (Plural selection available)	No selection				X	0	4
	Universal Elbow Explosion-proof (SUS304 G1/2) 1 pc.				A	2	4
	Stainless filter for KZ03 (pressure regulator with filter) *6				K	8	5
	Stainless mounting kit of a positioner side and pressure regulator with filter				U	20	5
	Sealing tape not permitted				J	5	4
	Reversing Relay for Double acting actuator *7				W	Refer to table 3 on Page 22-COP-10b	
Mounting bracket for accesories on GOM actuator (in case of replace GOP) *15					8	20	4

**AVP203**

**Fieldbus**

**Table 1. Price and Delivery of Mounting Bracket for Single acting actuator**

Note to quotation

- \*2 If no suitable mounting bracket can be found, contact a sales representative.
- \*5 Select in the case of without manual handle or with manual handle mounted on top of the actuators.
- \*8 Select "YW" or "YJ" for old-type motion connectors.(Produced on/before Apr. '83)
- \*9 Consult a sales representative in case of no mounting hole on the side of valve yoke.
- \*10 In case "VM" type actuator is required following conditions, 1.select model "VCT" for the body, 2.the existing positioner should be HEP or VPE, 3.yoke should be model HK. If another spec. is required, contact your sales representative.
- \*13 For model VSP (PVC body), an additional support bracket is required for the AVP.

SUS304/SUS304

(8)(9)Mounting bracket for pneumatic actuators	Code	D	
		Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS	15	4
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ	15	4
PSA3, PSA4 for existing valves produced on/before 1999	YY	15	4
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL	15	4
HA1	YA	15	4
HA2,HA3, HL2,HL3	YT	15	4
HA4, HL4	YN	15	4
HK1, VM1 *10 (material SS400 zinc plated)	YK	15	4
VR1 (material SS400 zinc plated)	YV	30	4
VR2,VR3 (material SS400 zinc plated)	YR	30	4
RSA2	YU	20	4
GOM83S,GOM84S,GOM103S	YG	25	4
GOM124S	YM	25	4
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW	15	4
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ	15	4
Motoyama Mfg. 2800 Series 240,280,330, Nihon Koso A100 Series 270,320 *5	TA	25	4
Motoyama Mfg. 2800 Series 400,500S,500L, Nihon Koso A100 Series 400,500 *5	TB	25	4
Motoyama Mfg. 2800Series 650S,650L *5	TC	40	4
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD	25	4
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE	25	4
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF	40	4
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S *5	TJ	25	4
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL	20	4
Motoyama Mfg. 3993 Series (Gyrol-II) 280,330,400, 2911-1M series 280H, 330H, 400H	TG	20	4
Masoneilan 37,38 Series #9, #11 *5	MA	25	4
Masoneilan 37,38 Series #13 *5	MB	25	4
Masoneilan 37,38 Series #15,#18 *5	MC	40	4
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	4
Masoneilan type 35002 Camflex II #4-1/2, #6, #7	MG	25	4
Nihon Koso TC-500 series TC520S	TP	25	4
Nihon Koso TC-700 series TC-713S	TS	25	4
Nihon Koso TC-700 series TC-722SS	TT	25	4
Kitamura Valve AK05S, AK09S,AK12S, AK15S	KA	15	4
Kitamura Valve AG06S	KG	15	4
Kitamura Valve AG09S	KH	15	4
Kitamura Valve AG13S	KJ	15	4
Kitamura Valve AW13S	KV	15	4
Kitamura Valve AW17S	KW	15	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA	15	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3	15	4
Fisher 657,667 series 50	FC	25	4
Fisher 657,667 series 60	FD	25	4

AVP203

Fieldbus

**Table 2. Price and delivery of mounting bracket for double acting actuator**

Note to quotation

\*7 For the double acting actuator, a reversing relay unit is required.

\*14 If the valve body is for VFR (FloWing) or a butterfly valve, for the mounting bracket requirement consult to our sales.

\*15 Select the option with the restoration feedback lever, if GOM manufactured before April, 1988.

Select the option '8' (Accessory bracket for GOM actuator -Use the case of existing GOP) if the existing control valve assembled with GOP and the accessories such as the Lock-Up valves and solenoid valves.

\*16 Confirm that boss's pitch of the actuator side is 69mm, if it is required to assemble the mounting bracket to the actuator.

(8)(9)Mounting bracket for pneumatic actuators	Code	D	
		Add. Price	Deliv. (wk)
VP5, 6 *7	Y1	15	4
SLOP560, 1000, 1000X *14	Y2	25	4
SLOP1500, 1500X *14	Y3	45	4
DAP560, 1000, 1000X *14	Y4	25	4
DAP560, 1500, 1500X *14	Y5	45	4
GOM44L, 44LM (Springless horizontal) *7	G1	35	4
GOM410L, 410LM (Springless horizontal) *7	G2	35	4
GOM64L, 64LM (Springless horizontal) *7	G3	35	4
GOM66L, 66LM (Springless horizontal) *7	G4	35	4
GOM610L, 610LM (Springless horizontal) *7	G5	35	4
GOM84L, 84LM (Springless horizontal) *7	G6	35	4
GOM86L, 86LM (Springless horizontal) *7	G7	35	4
GOM810L, 810LM (Springless horizontal) *7	G8	35	4
GOM1210L, 1210LM (Springless horizontal) *7	GT	35	4
GOM1510L, 1510LM (Springless horizontal) *7	GU	35	4
GOM44L, 44LM (Springless horizontal) with restoration feedback lever *7 *15	GE	45	4
GOM410L, 410LM (Springless horizontal) with restoration feedback lever *7 *15	GF	45	4
GOM64L, 64LM (Springless horizontal) with restoration feedback lever *7 *15	GG	45	4
GOM66L, 66LM (Springless horizontal) with restoration feedback lever *7 *15	GH	45	4
GOM610L, 610LM (Springless horizontal) with restoration feedback lever *7 *15	GJ	45	4
GOM84L, 84LM (Springless horizontal) with restoration feedback lever *7 *15	GK	45	4
GOM86L, 86LM (Springless horizontal) with restoration feedback lever *7 *15	GL	45	4
GOM810L, 810LM (Springless horizontal) with restoration feedback lever *7 *15	GM	45	4
GOM1210L, 1210LM (Springless horizontal) with restoration feedback lever *7 *15	GN	45	4
GOM1510L, 1510LM (Springless horizontal) with restoration feedback lever *7 *15	GP	55	4
GOM84LM (Springless vertical) *7	GB	25	4
GOM124LM (Springless vertical) *7	GC	25	4
Nihon Koso 6300 series 63A2, AT series AT20 *7	T2	25	4
Nihon Koso 6300 series 63A3, B2, BA, B3, BB, B5, AT series AT-30, 200, 250, 300, 350, 500	T3	25	4
Nihon Koso 6300 series 63A4, A5, A6, AT series AT40, AT50, AT60 *7	T4	25	4
Nihon Koso 6300 series AT series AT25 *7	T5	25	4
Nihon Koso TC-500 series TC-520W *7 *16	TP	25	4
Nihon Koso TC-700 series TC-713W *7	TS	25	4
Kitamura Valve AK05, AK09, AK12, AK15 *7	KA	15	4
Kitamura Valve AG06 *7	KG	15	4
Kitamura Valve AG09 *7	KH	15	4
Kitamura Valve AG13 *7	KJ	15	4
Kitamura Valve AW13 *7	KV	15	4
Kitamura Valve AW17 *7	KW	15	4
KITZ B series BS-2, BSW-2, B-2 *7	B2	15	4
KITZ B series BS-3, BSW-3, B-3 *7	B3	15	4
KITZ B series BS-4, BSW-4, B-4 *7	B4	15	4
KITZ B series BS-5, BSW-5, B-5 *7	B5	15	4
KITZ B series BS-6, BSW-6, B-6 *7	B6	15	4
Tomoe Valve Z series Z-06, 08, 11, 13 *7	EA	15	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *7	E3	15	4
NELES BC series BC/BIC11 *7	NB	15	4

**Table 3. Price and delivery of reversing-relay for double acting actuator**

The additional price goes with "Finish" of selection (2)	Code (2)	Price 1000 yen	Deliv. (wk)
Standard	S	45	4
Corrosion resistant	B	49	8
Corrosion resistant silver	D	47	10

For air-piping connection between the SVP and reversing-relay, a vinyl-covered copper cable with Sanko's double joint (SV0602-001) is used. Other cases are subject to factory referral.