

Accessories

14-3 Smart type I/P positioner

14-3-1 AVP 300/301

SVP3000 Alphaplus Price List

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

AVP301	165	173 (Mount on CV)
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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	3
	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
	TIIS 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
	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
	CSA Exprosnproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	A	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 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<=4.50kgf/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

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
	Stainless steel Stainless Steel	D	Refer to table 1 on Page 22-COP-5b or table 2 on Page 22-COP-5c	
(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
	For cold area (Cold area specification KZ03, nothing change on AVP)	L	6	6
	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

Accessories**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 bracket 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)	
		SUS304/SUS304	
		D	
		Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS	5	3
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *1	YQ	5	3
PSA3, PSA4 for existing valves produced on/before 1999	YY	5	3
PSA6 / VA4~VA6 Produced after Apr. '83. *1	YL	5	3
HA1	YA	5	3
HA2,HA3, HL2,HL3	YT	5	3
HA4, HL4	YN	5	3
HK1, VM1 *12	YK	5	3
VM12 for Model VSP *4	YB	5	4
VR1	YV	10	3
VR2,VR3	YR	10	3
RSA1	YF	5	3
RSA2	YU	5	3
GOM83S,GOM84S,GOM103S	YG	15	3
GOM124S	YM	20	3
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *2	YW	7	3
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *2	YJ	7	3
Motoyama Mfg. 2800 Series 240,280,330 Nihon Koso A100 Series 270,320 *3	TA	25	3
Motoyama Mfg. 2800 Series 400,500S,500L Nihon Koso A100 Series 400,500 *3	TB	25	3
Motoyama Mfg. 2800Series 650S,650L	TC	40	3
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD	25	3
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE	25	3
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF	40	3
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S	TJ	25	3
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL	25	4
Motoyama Mfg. 3993 Series (Gyrol-II) 2911-1M series 280, 330, 400	TG	25	3
Nihon Koso 5100L series 240, 280 *3	TP	25	4
Nihon Koso 5200L series 218, 270, 350 *3	TR	25	4
Masoneilan 37,38 Series #9, #11 *3	MA	25	3
Masoneilan 37,38 Series #13 *3	MB	25	3
Masoneilan 37,38 Series #15,#18 *3	MC	40	3
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	3
Masoneilan type 35002 Camflex II #41/2,#6 (Valve size 1in.~4in.)	MG	25	3
Masoneilan type 35002 Camflex II #7 (Valve size 6in.~12in.)	MH	25	3
Fisher controls 657,667 series size 50	FB	25	3
Fisher controls 657,667 series size 60	FC	25	3
Kitamura Valve AK09S,AK12S, AK15S	KA	25	3
Kitamura Valve AG06S	KG	25	4
Kitamura Valve AG09S	KH	25	4
Kitamura Valve AG13S	KJ	25	4
Kitamura Valve AW13S	KV	25	4
Kitamura Valve AW17S	KW	25	4
Kitamura Valve AW20S	KT	25	4
KITZ B series BS-2, BSW-2	B2	25	4
KITZ B series BS-3, BSW-3, Hisaka TS-6	B3	25	4
KITZ B series BS-4, BSW-4	B4	25	4
KITZ B series BS-5, BSW-5	B5	25	4
KITZ B series BS-6, BSW-6	B6	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350	RA	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000	RB	25	4
Hisaka TS-1	H1	25	4
Hisaka TS-2	H2	25	4
Hisaka TS-3	H3	25	4
Hisaka TS-4, 5	H4	25	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA	25	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3	25	4

Accessories

Table 2. Price and delivery of mounting 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)	SUS304/SUS304	
			D	
			Add. Price	Deliv. (wk)
VP5.6 *1	Y1		5	4
VP7 *1	Y7		5	4
SLOP560, 1000, 1000X *1 *2	Y2		15	4
SLOP1500, 1500X *1 *2	Y3		35	4
DAP560, 1000, 1000X *1 *2	Y4		15	4
DAP1500, 1500X *1 *2	Y5		35	4
GOM64LM, 84LM (springless, vertical, double acting) *1 In case of valve body is not butterfly valve of Yamatake	GA		25	4
GOM64LM, 84LM (springless, vertical, double acting) *1 In case of valve body is butterfly valve of Yamatake	GB		20	4
GOM124LM (springless, vertical, double acting) *1 In case of valve body is not butterfly valve of Yamatake	GC		25	4
GOM124LM (springless, vertical, double acting) *1 In case of valve body is butterfly valve of Yamatake	GD		20	4
Kitamura Valve AK09, AK12, AK15 *1	KA		25	3
Kitamura Valve AG06 *1	KG		25	4
Kitamura Valve AG09 *1	KH		25	4
Kitamura Valve AG13 *1	KJ		25	4
Kitamura Valve AW13 *1	KV		25	4
Kitamura Valve AW17 *1	KW		25	4
Kitamura Valve AW20 *1	KT		25	4
KITZ B series B-2 *1	B2		25	4
KITZ B series B-3 *1	B3		25	4
KITZ B series B-4 *1	B4		25	4
KITZ B series B-5 *1	B5		25	4
KITZ B series B-6 *1	B6		25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350 *1	RA		25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000 *1	RB		25	4
T. V. VALVE AT4-80 *1	V1		25	4
T. V. VALVE AT4-100 *1	V2		25	4
T. V. VALVE AT4-120 *1	V3		25	4
T. V. VALVE AT4-150 *1	V4		25	4
T. V. VALVE AT4-180 *1	V5		25	4
Tomoe Valve Z series Z-06, 08, 11, 13 *1	EA		25	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *1	E3		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.

Accessories**14-3-2 Smart type I/P Positioner AVP with HART communication protocol****SVP3000 Alphaplus Price List**

AVP302	153	161 (Mount on CV)	-	(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).

*4 One set of JIS Flameproof cable gland shall be attached.

*5 For JIS Flameproof model, this elbow should be put on the supplied cable gland.

				Code	Add.Price	Delivery (Week)
(1)Structure	Water-proof	Air piping connection	Electrical connection	Bracket		
	Water-proof	Rc1/4	G1/2	M8	X	0
	TIIS Flameproof with cable gland *4	1/4 NPT internal	1/2 NPT internal	5/ 16-18	P	5
	FM Explosionproof and Flameproof	Rc 1/4	G1/2	M8	E	5
	FM Intrinsically safe	1/4 NPT internal	1/2 NPT internal	5/ 16-18	F	15
	ISSeP/CENELEC Flameproof	1/4 NPT internal	M20x1.5	M8	M	15
	KEMA/CENELEC Intrinsically safe	1/4NPT internal	M20X1.5	M8	C	15
	CSA Explosionproof	1/4NPT internal	1/2 NPT internal	5/ 16-18	L	15
	NEPSI Flameproof	1/4 NPT internal	1/2 NPT internal	5/ 16-18	A	15
	NEPSI Flameproof	1/4 NPT internal	M20x1.5	M8	B	15
(2)Finish	Standard (Baked Acrylic) *2				S	0
	Corrosion proof (Baked Epoxy) *2				D	8
	Silver finish (Baked Acrylic) *2				B	15
(3)Positioner	Direct Action - Air pressure increases with Control signal increase				D	0
	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
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm2}		400kPa {4kgf/cm2}	400kPa {4kgf/cm2}	2	0
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm2}		600kPa {6kgf/cm2}	400kPa {4kgf/cm2}	3	0
	400<Ps<=450kPa {4.0<Ps<=4.50kgf/cm2}		600kPa {6kgf/cm2}	700kPa {7kgf/cm2}	4	0
(5)Scale Unit (Pressure gauge)	450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm2}		1000kPa {10kgf/cm2}	700kPa {7kgf/cm2}	5	0
	kPa				A	0
	kgf/cm2 *1				B	0
	MPa				C	0
	bar				D	5
psi *1				E	5	

(6)Pressure regulator with filter	No selection				X	0	4
	Model KZ03 Pressure Regulator with Filter (Mounted on Position *3				1	20	4
	Model KZ03 Pressure Regulator with Filter (with bracket for separated mount)				2	20	4
(7) Material of Bracket	No Selection				X	0	4
	Bolts	Stainless steel		Stainless Steel	D	Refer to table 1 on Page 22-COP-6a or table 2 on Page 22-COP-6b	
(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
	Reversing Relay for Double acting actuator				W	Refer to table 3 Page 22-COP-6b	
	Universal Elbow Explosion-proof (sus304 G1/2) *5				A	2	5
	Stainless filter for KZ03 (pressure regulator with filter)				K	8	5
	For cold area (Cold area specification KZ03, nothing change on AVF)				L	6	6
Filter (Screen for air-exhaust port)				H	10	6	

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 |

Accessories

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	D	
		Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS	5	3
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ	5	3
PSA3, PSA4 for existing valves produced on/before 1999	YY	5	3
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL	5	3
HA1	YA	5	3
HA2,HA3, HL2,HL3	YT	5	3
HA4, HL4	YN	5	3
HK1, VM1 *12	YK	5	3
VM12 for Model VSP *13	YB	5	4
VR1	YV	10	3
VR2,VR3	YR	10	3
RSA1	YF	5	3
RSA2	YU	5	3
GOM83S,GOM84S,GOM103S	YG	15	3
GOM124S	YM	20	3
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW	7	3
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ	7	3
Motoyama Mfg. 2800 Series 240,280,330 Nihon Koso A100 Series 270,320 *3	TA	25	3
Motoyama Mfg. 2800 Series 400,500S,500L Nihon Koso A100 Series 400,500 *3	TB	25	3
Motoyama Mfg. 2800Series 650S,650L *3	TC	40	3
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD	25	3
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE	25	3
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF	40	3
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S	TJ	25	3
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL	25	4
Motoyama Mfg. 3993 Series (Gyrol-II) 2911-1M series 280, 330, 400	TG	25	3
Nihon Koso 5100L series 240, 280 *3	TP	25	4
Nihon Koso 5200L series 218, 270, 350 *3	TR	25	3
Masoneilan 37,38 Series #9, #11 *3	MA	25	3
Masoneilan 37,38 Series #13 *3	MB	25	3
Masoneilan 37,38 Series #15,#18 *3	MC	40	3
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	3
Masoneilan type 35002 Camflex II #41/2,#6 (Valve size 1in.~4in.)	MG	25	3
Masoneilan type 35002 Camflex II #7 (Valve size 6in.~12in.)	MH	25	3
Kitamura Valve AK09S,AK12S, AK15S	KA	25	3
Kitamura Valve AG06S	KG	25	4
Kitamura Valve AG09S	KH	25	4
Kitamura Valve AG13S	KJ	25	4
Kitamura Valve AW13S	KV	25	4
Kitamura Valve AW17S	KW	25	4
Kitamura Valve AW20S	KT	25	4
KITZ B series BS-2, BSW-2	B2	25	4
KITZ B series BS-3, BSW-3, Hisaka TS-6	B3	25	4
KITZ B series BS-4, BSW-4	B4	25	4
KITZ B series BS-5, BSW-5	B5	25	4
KITZ B series BS-6, BSW-6	B6	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350	RA	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000	RB	25	4
Hisaka TS-1	H1	25	4
Hisaka TS-2	H2	25	4
Hisaka TS-3	H3	25	4
Hisaka TS-4, 5	H4	25	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA	25	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3	25	4

Accessories**Table 2. Price and delivery of mounting 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)	SUS304/SUS304	
			D	
			Add. Price	Deliv. (wk)
VP5.6 *1	Y1		5	4
VP7 *1	Y7		5	4
SLOP560, 1000, 1000X *1 *2	Y2		15	4
SLOP1500, 1500X *1 *2	Y3		35	4
DAP560, 1000, 1000X *1 *2	Y4		15	4
DAP1500, 1500X *1 *2	Y5		35	4
GOM64LM, 84LM (springless, vertical, double acting) *1 In case of valve body is not butterfly valve of Yamatake	GA		25	4
GOM64LM, 84LM (springless, vertical, double acting) *1 In case of valve body is butterfly valve of Yamatake	GB		20	4
GOM124LM (springless, vertical, double acting) *1 In case of valve body is not butterfly valve of Yamatake	GC		25	4
GOM124LM (springless, vertical, double acting) *1 In case of valve body is butterfly valve of Yamatake	GD		20	4
Kitamura Valve AK09, AK12, AK15 *1	KA		25	3
Kitamura Valve AG06 *1	KG		25	4
Kitamura Valve AG09 *1	KH		25	4
Kitamura Valve AG13 *1	KJ		25	4
Kitamura Valve AW13 *1	KV		25	4
Kitamura Valve AW17 *1	KW		25	4
Kitamura Valve AW20 *1	KT		25	4
KITZ B series B-2 *1	B2		25	4
KITZ B series B-3 *1	B3		25	4
KITZ B series B-4 *1	B4		25	4
KITZ B series B-5 *1	B5		25	4
KITZ B series B-6 *1	B6		25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350 *1	RA		25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000 *1	RB		25	4
T. V. VALVE AT4-80 *1	V1		25	4
T. V. VALVE AT4-100 *1	V2		25	4
T. V. VALVE AT4-120 *1	V3		25	4
T. V. VALVE AT4-150 *1	V4		25	4
T. V. VALVE AT4-180 *1	V5		25	4
Tomoe Valve Z series Z-06, 08, 11, 13 *1	EA		25	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *1	E3		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.

Accessories

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

SVP3000 Alphaplus Price List

AVP200	197	205 (mount on CV)	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
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Analog Signal (4 to 20mA.DC.) without travel transmission.

AVP201	222	230 (mount on CV)
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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 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 model AVP (integral type) only when the direction of drain of the pressure regulator with filter on the control valve is downward (ground).

*6 This option can be selected only when code "1" is selected for (6) Pressure regulator with filter.

*7 Reversing relay is mandatory for double acting actuators.

*12 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 internal	5/ 16-18	P	5	8
	TIIS 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 ² }		200kPa {2kgf/cm ² }		400kPa {4kgf/cm ² }	1	0	4
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm ² }		400kPa {4kgf/cm ² }		400kPa {4kgf/cm ² }	2	0	4
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm ² }		600kPa {6kgf/cm ² }		400kPa {4kgf/cm ² }	3	0	4
	400<Ps<=450kPa {4.0<Ps<=4.5kgf/cm ² }		600kPa {6kgf/cm ² }		700kPa {7kgf/cm ² }	4	0	4
450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm ² }		1000kPa {10kgf/cm ² }		700kPa {7kgf/cm ² }	5	0	4	
(5)Scale Unit (Pressure gauge)	kPa					A	0	4
	kgf/cm ²		*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)				*5	1	20	4
	Model KZ03 Pressure Regulator with Filter (with bracket for separate mount)					2	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	With terminal box for remote cable assembly (Standard) *This code must be selected.					M	0	5
	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)				*6	K	8	5
	For cold area (Cold area specification KZ03, nothing change on AVP)					L	6	6
	Stainless mounting kit of a positioner side and pressure regulator with filter					U	20	5
	Reversing Relay for Double acting actuator				*7	W	Refer to table3 on page 22-COP-7b	
	Seal tape prohibited					J	5	4
	Mounting bracket for accesories on GOM actuator (in case of replace GOP)				*12	8	20	4

Accessories**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.

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(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	YV	20	4
VR2,VR3	YR	20	4
RSA1	YF	20	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
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H (with travel indicator)	TN	30	4
Motoyama Mfg. 3993 Series (Gyrol-II) 280,330,400, 2911-1M series 280H, 330H, 400H(with travel indicator)	TM	30	4
Maseoneilan 37,38 Series #9, #11 *5	MA	25	4
Maseoneilan 37,38 Series #13 *5	MB	25	4
Maseoneilan 37,38 Series #15,#18 *5	MC	40	4
Maseoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	4
Maseoneilan type 35002 Camflex II #4-1/2, #6, #7	MG	25	4
Maseoneilan type 35002 Camflex II #4-1/2, #6, #7 (with travel indicator)	MH	30	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
Nihon Koso TC-500 series TC520S (with travel indicator)	TV	35	4
Nihon Koso TC-700 series TC-713S (with travel indicator)	TW	35	4
Nihon Koso TC-700 series TC-722SS (with travel indicator)	TY	35	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
Kitamura Valve AK05S, AK09S,AK12S, AK15S(with travel indicator)	KK	35	4
Kitamura Valve AG06S(with travel indicator)	KL	35	4
Kitamura Valve AG09S(with travel indicator)	KM	30	4
Kitamura Valve AG13S(with travel indicator)	KN	30	4
Kitamura Valve AW13S(with travel indicator)	KP	30	4
Kitamura Valve AW17S(with travel indicator)	KQ	30	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
Tomoe Valve Z series Z-06S, 08S, 11S, 13S (with travel indicator)	EB	30	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4 (with travel indicator)	E4	30	4
Fisher 657,667 series 50	FC	25	4
Fisher 657,667 series 60	FD	25	4

UNIT: 1000 YEN

Accessories

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.

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(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) in case of valve body is not butterfly valve of Yamatake *7	GA	25	4
GOM84LM (Springless vertical) in case of valve body is butterfly valve of Yamatake *7	GB	25	4
GOM124LM (Springless vertical) in case of valve body is not butterfly valve of Yamatake *7	GC	25	4
GOM124LM (Springless vertical) in case of valve body is butterfly valve of Yamatake *7	GD	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
Nihon Koso 6300 series 63A2, AT series AT20 *7(with travel indicator)	T6	35	4
Nihon Koso 6300 series 63A3, B2, BA, B3, BB, B5, AT series AT-30, 200, 250, 300, 350, 500(with travel indicator)	T7	35	4
Nihon Koso 6300 series 63A4, A5, A6, AT series AT40, AT50, AT60 *7(with travel indicator)	T8	35	4
Nihon Koso 6300 series AT series AT25 *7(with travel indicator)	TQ	35	4
Nihon Koso TC-500 series TC-520W *7 *16(with travel indicator)	TV	35	4
Nihon Koso TC-700 series TC-713W *7(with travel indicator)	TW	35	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-1, BSW-1, B-1 *7	B1	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
KITZ B series BS-1, BSW-1, B-1 *7(with travel indicator)	BA	30	4
KITZ B series BS-2, BSW-2, B-2 *7(with travel indicator)	BB	30	4
KITZ B series BS-3, BSW-3, B-3 *7(with travel indicator)	BC	30	4
KITZ B series BS-4, BSW-4, B-4 *7(with travel indicator)	BD	30	4
KITZ B series BS-5, BSW-5, B-5 *7(with travel indicator)	BE	30	4
KITZ B series BS-6, BSW-6, B-6 *7(with travel indicator)	BF	30	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
NELES BC series BC/BIC11 *7(with travel indicator)	NC	30	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

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

SVP3000 Alphaplus Price List

AVP202	210	218 (Mount on CV)	-	(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	8
	Water-proof	1/4 NPT internal	1/2 NPT internal	5/16-18	P	5	8
	TIIIS Flameproof with cable gland *1	Rc1/4	G1/2	M8	E	22	8
(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 ² }	200kPa {2kgf/cm ² }	400kPa {4kgf/cm ² }	1	0	4
	150<Ps≤300kPa	{1.5<Ps≤3.0kgf/cm ² }	400kPa {4kgf/cm ² }	400kPa {4kgf/cm ² }	2	0	4
	300<Ps≤400kPa	{3.0<Ps≤4.0kgf/cm ² }	600kPa {6kgf/cm ² }	400kPa {4kgf/cm ² }	3	0	4
	400<Ps≤450kPa	{4.0<Ps≤4.5kgf/cm ² }	600kPa {6kgf/cm ² }	700kPa {7kgf/cm ² }	4	0	4
(5)Scale Unit (Pressure gauge)	kPa				A	0	4
	kgf/cm ²	*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
	Model KZ03 Pressure Regulator with Filter (with bracket for separate mount)				2	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	With terminal box for remote cable assembly (Standard) *This code must be selected.				M	0	5
	Universal Elbow Explosion-ploof (SUS304 G1/2) 1pc. *4				A	2	5
	Stainless filter for KZ03 (pressure regulator with filter)				K	8	5
	For cold area (Cold area specification KZ03, nothing change on AVP)				L	6	6
	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 |

Accessories

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.

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(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	YV	20	4
VR2,VR3	YR	20	4
RSA1	YF	20	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
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H (with travel indicator)	TN	30	4
Motoyama Mfg. 3993 Series (Gyrol-II) 280,330,400, 2911-1M series 280H, 330H, 400H(with travel indicator)	TM	30	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
Masoneilan type 35002 Camflex II #4-1/2, #6, #7 (with travel indicator)	MH	30	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
Nihon Koso TC-500 series TC520S (with travel indicator)	TV	35	4
Nihon Koso TC-700 series TC-713S (with travel indicator)	TW	35	4
Nihon Koso TC-700 series TC-722SS (with travel indicator)	TY	35	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
Kitamura Valve AK05S, AK09S,AK12S, AK15S(with travel indicator)	KK	35	4
Kitamura Valve AG06S(with travel indicator)	KL	35	4
Kitamura Valve AG09S(with travel indicator)	KM	30	4
Kitamura Valve AG13S(with travel indicator)	KN	30	4
Kitamura Valve AW13S(with travel indicator)	KP	30	4
Kitamura Valve AW17S(with travel indicator)	KQ	30	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
Tomoe Valve Z series Z-06S, 08S, 11S, 13S (with travel indicator)	EB	30	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4 (with travel indicator)	E4	30	4
Fisher 657,667 series 50	FC	25	4
Fisher 657,667 series 60	FD	25	4

Accessories

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	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) in case of valve body is not butterfly valve of Yamatake *7	GA	25	4
GOM84LM (Springless vertical) in case of valve body is butterfly valve of Yamatake *7	GB	25	4
GOM124LM (Springless vertical) in case of valve body is not butterfly valve of Yamatake *7	GC	25	4
GOM124LM (Springless vertical) in case of valve body is butterfly valve of Yamatake *7	GD	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
Nihon Koso 6300 series 63A2, AT series AT20 *7(with travel indicator)	T6	35	4
Nihon Koso 6300 series 63A3, B2, BA, B3, BB, B5, AT series AT-30, 200, 250, 300, 350, 500(with travel indicator)	T7	35	4
Nihon Koso 6300 series 63A4, A5, A6, AT series AT40, AT50, AT60 *7(with travel indicator)	T8	35	4
Nihon Koso 6300 series AT series AT25 *7(with travel indicator)	TQ	35	4
Nihon Koso TC-500 series TC-520W *7 *16(with travel indicator)	TV	35	4
Nihon Koso TC-700 series TC-713W *7(with travel indicator)	TW	35	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-1, BSW-1, B-1 *7	B1	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
KITZ B series BS-1, BSW-1, B-1 *7(with travel indicator)	BA	30	4
KITZ B series BS-2, BSW-2, B-2 *7(with travel indicator)	BB	30	4
KITZ B series BS-3, BSW-3, B-3 *7(with travel indicator)	BC	30	4
KITZ B series BS-4, BSW-4, B-4 *7(with travel indicator)	BD	30	4
KITZ B series BS-5, BSW-5, B-5 *7(with travel indicator)	BE	30	4
KITZ B series BS-6, BSW-6, B-6 *7(with travel indicator)	BF	30	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
NELES BC series BC/BIC11 *7(with travel indicator)	NC	30	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

Fieldbus

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

SVP3000 Alphaplus Price List

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

AVP304	195	203 (Mount on CV)
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Analog Signal (4 to 20mA.DC.) /FOUNDATION fieldbus signal Hybrid type

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 (ground).

*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
	TJIS Flameproof with cable gland *1	Rc 1/4	G1/2	M8
(2)Finish	FM Explosionproof and Flameproof	1/4 NPT	1/2 NPT	5/ 16-18
	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 ² }	200kPa {2kgf/cm ² }	400kPa {4kgf/cm ² }	1
	150<Ps<=300kPa {1.5<Ps<=3.0kgf/cm ² }	400kPa {4kgf/cm ² }	400kPa {4kgf/cm ² }	2
	300<Ps<=400kPa {3.0<Ps<=4.0kgf/cm ² }	600kPa {6kgf/cm ² }	400kPa {4kgf/cm ² }	3
	400<Ps<=450kPa {4.0<Ps<=4.50kgf/cm ² }	600kPa {6kgf/cm ² }	700kPa {7kgf/cm ² }	4
(5)Scale Unit (Pressure gauge)	450<Ps<=700kPa {4.5<Ps<=7.0kgf/cm ² }	1000kPa {10kgf/cm ² }	700kPa {7kgf/cm ² }	5
	kPa			A
	kgf/cm2 *2			B
	MPa			C
	bar			D
(6)Pressure regulator with filter	psi *2			E
	No selection			X
(7) Material of Bracket Bolts	Model KZ03 Pressure Regulator with Filter (Mounted on Positioner) *13			1
	Model KZ03 Pressure Regulator with Filter (with bracket for separated mount)			2
	No Selection *14			X
(8)(9) Actuators (for bracket)	Stainless steel	Stainless Steel		
	No Selection *14			XX
(10) Option (Plural selection available)	For Single acting actuator			0
	For Double acting actuator			3
	No selection			X
	Universal Elbow Explosion-proof (SUS304 G1/2) 1 pc.			A
	Reversing Relay for Double acting actuator *7			2
	Stainless filter for KZ03 (pressure regulator with filter)			W
	For cold area (Cold area specification KZ03, nothing change on AVP)			Refer to table 3 on Page 22-COP-9b
	2 pcs of adapter for Air piping connection (Rc1/4 to 1/4NPT) for single acting actuator *5			K
	3 pcs of Adapter for Air piping connection (Rc1/4 to 1/4NPT) for double acting actuator*5			8
	1 pc of adapter for electric connection (G1/2 to 1/2NPT) *6			5
2 pcs of adapter for electric connection (G1/2 to 1/2NPT) *6			6	
Sealing tape not permitted			L	
Filter (Screen for air-exhaust port)			6	
			E	
			8	
			3	
			12	
			10	
			20	
			5	
			10	

Accessories**Fieldbus****AVP303****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)	
		SUS304/SUS304	D
		Add. Price	Deliv. (wk)
PSA1,PSA2,PSK1	YS	5	3
PSA3,PSA4 / VA1~VA3 Produced after Apr. '83. *8	YQ	5	3
PSA3, PSA4 for existing valves produced on/before 1999	YY	5	3
PSA6 / VA4~VA6 Produced after Apr. '83. *8	YL	5	3
HA1	YA	5	3
HA2,HA3, HL2,HL3	YT	5	3
HA4, HL4	YN	5	3
HK1, VM1 *12	YK	5	3
VM12 for Model VSP *13	YB	5	4
VR1	YV	10	3
VR2,VR3	YR	10	3
RSA1	YF	10	3
RSA2	YU	5	3
GOM83S,GOM84S,GOM103S	YG	15	3
GOM124S	YM	20	3
VA1 - VA3 (for old-model motion connectors) Produced on/before Apr. '83, 800-1, 800-3 *9	YW	7	3
VA4,VA5 (for old-model motion connectors) Produced on/before Apr. '83, 800-4, 800-5 *9	YJ	7	3
Motoyama Mfg. 2800 Series 240,280,330 Nihon Koso A100 Series 270,320 *3	TA	25	3
Motoyama Mfg. 2800 Series 400,500S,500L Nihon Koso A100 Series 400,500 *3	TB	25	3
Motoyama Mfg. 2800Series 650S,650L *3	TC	40	3
Motoyama Mfg. 2800 Series 240,280,330 (w/side manual)	TD	25	3
Motoyama Mfg. 2800 Series 400,500S,500L (w/side manual)	TE	25	3
Motoyama Mfg. 2800 Series 650S,650L (w/side manual)	TF	40	3
Motoyama Mfg. 3800 Series (multi-spring type) N24,N28,N33S	TJ	25	3
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H	TL	25	4
Motoyama Mfg. 3993 Series (Gyrol-II) 2911-1M series 280, 330, 400	TG	25	3
Nihon Koso 5100L series 240, 280 *3	TP	25	4
Nihon Koso 5200L series 218, 270, 350 *3	TR	25	4
Masoneilan 37,38 Series #9, #11 *3	MA	25	3
Masoneilan 37,38 Series #13 *3	MB	25	3
Masoneilan 37,38 Series #15,#18 *3	MC	40	3
Masoneilan 37,38 Series #15,#18 (w/side manual)	MF	40	3
Masoneilan type 35002 Camflex II #41/2,#6 (Valve size 1in.~4in.)	MG	25	3
Masoneilan type 35002 Camflex II #7 (Valve size 6in.~12in.)	MH	25	3
Fisher controls 657,667 series size 50	FB	25	3
Fisher controls 657,667 series size 60	FC	25	3
Kitamura Valve AK09S,AK12S, AK15S	KA	25	3
Kitamura Valve AG06S	KG	25	4
Kitamura Valve AG09S	KH	25	4
Kitamura Valve AG13S	KJ	25	4
Kitamura Valve AW13S	KV	25	4
Kitamura Valve AW17S	KW	25	4
Kitamura Valve AW20S	KT	25	4
KITZ B series BS-2, BSW-2	B2	25	4
KITZ B series BS-3, BSW-3, Hisaka TS-6	B3	25	4
KITZ B series BS-4, BSW-4	B4	25	4
KITZ B series BS-5, BSW-5	B5	25	4
KITZ B series BS-6, BSW-6	B6	25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350	RA	25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000	RB	25	4
Hisaka TS-1	H1	25	4
Hisaka TS-2	H2	25	4
Hisaka TS-3	H3	25	4
Hisaka TS-4, 5	H4	25	4
Tomoe Valve Z series Z-06S, 08S, 11S, 13S	EA	25	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4	E3	25	4

Accessories

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)	SUS304/SUS304	
			D	
			Add. Price	Deliv. (wk)
VP5.6 *1	Y1		5	4
VP7 *1	Y7		5	4
SLOP560, 1000, 1000X *1 *2	Y2		15	4
SLOP1500, 1500X *1 *2	Y3		35	4
DAP560, 1000, 1000X *1 *2	Y4		15	4
DAP1500, 1500X *1 *2	Y5		35	4
GOM64LM, 84LM (springless, vertical, double acting) *1 In case of valve body is not butterfly valve of Yamatake	GA		25	4
GOM64LM, 84LM (springless, vertical, double acting) *1 In case of valve body is butterfly valve of Yamatake	GB		20	4
GOM124LM (springless, vertical, double acting) *1 In case of valve body is not butterfly valve of Yamatake	GC		25	4
GOM124LM (springless, vertical, double acting) *1 In case of valve body is butterfly valve of Yamatake	GD		20	4
Kitamura Valve AK09, AK12, AK15 *1	KA		25	3
Kitamura Valve AG06 *1	KG		25	4
Kitamura Valve AG09 *1	KH		25	4
Kitamura Valve AG13 *1	KJ		25	4
Kitamura Valve AW13 *1	KV		25	4
Kitamura Valve AW17 *1	KW		25	4
Kitamura Valve AW20 *1	KT		25	4
KITZ B series B-2 *1	B2		25	4
KITZ B series B-3 *1	B3		25	4
KITZ B series B-4 *1	B4		25	4
KITZ B series B-5 *1	B5		25	4
KITZ B series B-6 *1	B6		25	4
Xomox (EL-O-MATIC) E25, 40, 65, 100, 200, 350 *1	RA		25	4
Xomox (EL-O-MATIC) E600, 950, 1600, P2500, P4000 *1	RB		25	4
T. V. VALVE AT4-80 *1	V1		25	4
T. V. VALVE AT4-100 *1	V2		25	4
T. V. VALVE AT4-120 *1	V3		25	4
T. V. VALVE AT4-150 *1	V4		25	4
T. V. VALVE AT4-180 *1	V5		25	4
Tomoe Valve Z series Z-06, 08, 11, 13 *1	EA		25	4
Tomoe Valve T-matic 3I-1, 2, 3, 4 *1	E3		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.

Accessories

Fieldbus

Smart valve positioner with Fieldbus remote type
14-3-6 AVP203

SVP3000 Alphaplus Price List

AVP203	242	250 (Mount on CV)	-	(1)	(2)	(3)	(4)	(5)	-	(6)	(7)	(8)	(9)	-	(10)
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FOUNDATION fieldbus signal

AVP204	252	260 (Mount on CV)
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Analog Signal (4 to 20mA.DC.) /FOUNDATION fieldbus signal Hybrid type

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-Up 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
	TIIS 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
	Model KZ03 Pressure Regulator with Filter (with bracket for separate mount)				2	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)	With terminal box for remote cable assembly (Standard) *This code must be selected.				M	0	5
	Universal Elbow Explosion-proof (SUS304 G1/2) 1 pc.				A	2	4
	Universal Elbow Explosion-proof (SUS304 G1/2) 2 pc.				C	4	4
	Stainless filter for KZ03 (pressure regulator with filter) *6				K	8	5
	For cold area (Cold area specification KZ03, nothing change on AVP)				L	6	6
	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

Accessories

Fieldbus

AVP203

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	YV	20	4
VR2,VR3	YR	20	4
RSA1	YF	20	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
Motoyama Mfg. 2922 series (Gyrol-I) G.R.I 280H, 330H, 400HS, 400H, 500H (with travel indicator)	TN	30	4
Motoyama Mfg. 3993 Series (Gyrol-II) 280,330,400, 2911-1M series 280H, 330H, 400H(with travel indicator)	TM	30	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
Masoneilan type 35002 Camflex II #4-1/2, #6, #7 (with travel indicator)	MH	30	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
Nihon Koso TC-500 series TC520S (with travel indicator)	TV	35	4
Nihon Koso TC-700 series TC-713S (with travel indicator)	TW	35	4
Nihon Koso TC-700 series TC-722SS (with travel indicator)	TY	35	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
Kitamura Valve AK05S, AK09S,AK12S, AK15S(with travel indicator)	KK	35	4
Kitamura Valve AG06S(with travel indicator)	KL	35	4
Kitamura Valve AG09S(with travel indicator)	KM	30	4
Kitamura Valve AG13S(with travel indicator)	KN	30	4
Kitamura Valve AW13S(with travel indicator)	KP	30	4
Kitamura Valve AW17S(with travel indicator)	KQ	30	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
Tomoe Valve Z series Z-06S, 08S, 11S, 13S (with travel indicator)	EB	30	4
Tomoe Valve T-matic 3Q-1, 2, 3, 4 (with travel indicator)	E4	30	4
Fisher 657,667 series 50	FC	25	4
Fisher 657,667 series 60	FD	25	4

Accessories

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.

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(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) in case of valve body is not butterfly valve of Yamatake *7	GA	25	4
GOM84LM (Springless vertical) in case of valve body is butterfly valve of Yamatake *7	GB	25	4
GOM124LM (Springless vertical) in case of valve body is not butterfly valve of Yamatake *7	GC	25	4
GOM124LM (Springless vertical) in case of valve body is butterfly valve of Yamatake *7	GD	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
Nihon Koso 6300 series 63A2, AT series AT20 *7(with travel indicator)	T6	35	4
Nihon Koso 6300 series 63A3, B2, BA, B3, BB, B5, AT series AT-30, 200, 250, 300, 350, 500(with travel indicator)	T7	35	4
Nihon Koso 6300 series 63A4, A5, A6, AT series AT40, AT50, AT60 *7(with travel indicator)	T8	35	4
Nihon Koso 6300 series AT series AT25 *7(with travel indicator)	TQ	35	4
Nihon Koso TC-500 series TC-520W *7 *16(with travel indicator)	TV	35	4
Nihon Koso TC-700 series TC-713W *7(with travel indicator)	TW	35	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-1, BSW-1, B-1 *7	B1	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
KITZ B series BS-1, BSW-1, B-1 *7(with travel indicator)	BA	30	4
KITZ B series BS-2, BSW-2, B-2 *7(with travel indicator)	BB	30	4
KITZ B series BS-3, BSW-3, B-3 *7(with travel indicator)	BC	30	4
KITZ B series BS-4, BSW-4, B-4 *7(with travel indicator)	BD	30	4
KITZ B series BS-5, BSW-5, B-5 *7(with travel indicator)	BE	30	4
KITZ B series BS-6, BSW-6, B-6 *7(with travel indicator)	BF	30	4
Tomoe Valve Z series Z-06, 08, 11, 13 *7	EA	15	4
Tomoe Valve T-matic 3l-1, 2, 3, 4 *7	E3	15	4
NELES BC series BC/BIC11 *7	NB	15	4
NELES BC series BC/BIC11 *7(with travel indicator)	NC	30	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.