Specification Sheet

No.: 1 QTY: 1
Tag no.
Service

< Specification >

Model	HTS	
Description	Top-Guided Single Seated Control Valves	
Valve size	2	inch
Port size	1-1/2	inch
Rated Cv	24	
Connection size		inch
Body rating	PN16	
End connection	RF	
Body material	A351CF8M	
Trim material	SUS316	
Flow characteristic	LINEAR	
Bonnet type	PLAIN	
Actuator	HA1	
Manual operator	---	
Valve action	REVERSE(Air fail close)	
Gland packing	V-PTFE	
Gasket	V543	
Grease	---	
Air supply	270kPa	
Spring range	80-240kPa	

< Accesories >

Positioner / Signal	AVP300-PSD2A-1CYA-X
Exprosion-proof	Water-proof, 1/4 NPT, 1/2 NPT
Signal	4-20 mADC
Regurator	KZ03-2B-XX
Regulator 2	
Limit Switch	
Action	
Solenoid valve	
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-103	Indicating unit : "kPa"
SV0601-001	Air piping Connection: 1/4 NPT

<Finish>

Body:	M10B5/10
Diaph. Case:	M10B5/10
Yoke:	M10B5/10
Paint:	Standard

<Operating condition>

Fluid name: Phosphoric acid [LIQUID]

	MAX	NOR	MIN	UNIT
Flow rate		10	4	m3/h
Inlet pressure		2.5	2.5	atm
Outlet pressure		0.1	0.1	atm
Diff. pressure				atm
Shut-off press.				kPa
Temperature		70	70	degC
Sp.Gr. (liq.)		1.65	1.65	water=1
Sp.Gr.(gas,vapor)				MW
Viscosity				cP
Flash				%
Velocity		1.37	0.54	m/s
S.P.L.		77	73	dBA
Calculated Cv		9.523	3.809	
Travel		41	17	%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note> Tokumi -

<Line spec>

Design press.				kPaG
Design temp.				degC
Line size in/out	2	/	2	inch
Line Sch. / Thick.	40	/		mm

YAMATAKE

Specification Sheet

No.:	2	QTY:	1
Tag no.			
Service			

< Specification >

Model	HTS	
Description	Top-Guided Single Seated Control Valves	
Valve size	2	inch
Port size	2	inch
Rated Cv	50	
Connection size		inch
Body rating	PN16	
End connection	RF	
Body material	A351CF8M	
Trim material	SUS316	
Flow characteristic	LINEAR	
Bonnet type	PLAIN	
Actuator	HA1	
Manual operator	---	
Valve action	REVERSE(Air fail close)	
Gland packing	V-PTFE	
Gasket	V543	
Grease	---	
Air supply	270kPa	
Spring range	80-240kPa	

< Accesories >

Positioner / Signal	AVP300-PSD2A-1CYA-X
Exprosion-proof	Water-proof, 1/4 NPT, 1/2 NPT
Signal	4-20 mADC
Regurator	KZ03-2B-XX
Regulator 2	
Limit Switch	
Action	
Solenoid valve	
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-103	Indicating unit : "kPa"
SV0601-001	Air piping Connection: 1/4 NPT

<Finish>

Body:	M10B5/10
Diaph. Case:	M10B5/10
Yoke:	M10B5/10
Paint:	Standard

<Operating condition>

Fluid name: Acid water [LIQUID]

	MAX	NOR	MIN	UNIT
Flow rate		7	2	m3/h
Inlet pressure		1.5	1.5	kPaG
Outlet pressure		0.1	0.1	kPaG
Diff. pressure				kPa
Shut-off press.				kPa
Temperature	30	20	5	degC
Sp.Gr. (liq.)		1.05	1.05	water=1
Sp.Gr.(gas,vapor)				MW
Viscosity				cP
Flash				%
Velocity		0.95	0.27	m/s
S.P.L.		40	40	dBA
Calculated Cv		70.08	20.02	
Travel			29	%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note> Tokumi -

<Line spec>

Design press.				kPaG
Design temp.				degC
Line size in/out	2	/	2	inch
Line Sch. / Thick.	40	/		mm