Specification Sheet

No.: 1 QTY: 1
Tag no. HV-3711A
Service

< Specification >

Model	HTS	
Description	Top-Guided Single Seated Control Valves	
Valve size	6	inch
Port size	5	inch
Rated Cv	275	
Connection size		inch
Body rating	ANSI300	
End connection	BW	
Body material	A351CF8	
Trim material	SUS316L STELLITE	
Flow characteristic	LINEAR	
Bonnet type	EXTENTION-2W	
Actuator	PSA6	
Manual operator		
Valve action	REVERSE(Air fail close)	
Gland packing	V-PTFE	
Gasket	V543(PTFE), V563(PTFE)	
Grease		
Air supply	5.0bar	
Spring range	2.0-3.9bar	

< Accesories >

Positioner / Signal	
Exprosion-proof	
Signal	On-Off action
Regurator	KZ03-3B-1C
Regulator 2	
Limit Switch	
Action	
Solenoid valve	with
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-102 Indicating unit : "bar"

SV0601-001 Air piping Connection: 1/4 NPT

SV0210 High differential pressure trim for HTS Valve

SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment

<Finish>

Body:
Diaph. Case:
Yoke:
Paint:

<Operating condition>

Fluid name CH4 from K-303to P-301A [GAS]

	MAX	NOR	MIN	UNIT
Flow rate	19500	18950	13200	m3/h[N]
Inlet pressure	3	3	3	barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		3		bar
Temperature	-148.3	-148.3	-148.3	degC
Sp.Gr. (liq.)				water=1
Sp.Gr.(gas,vapor)	0.72	0.72	0.72	air=1
Viscosity				cP
Flash				%
Velocity				Mach
S.P.L.				dBA
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV-S1 (SV0201-009)

<Note> Tokumi -

Air piping: Stainless steel (316ss)

<Line spec>

Design press.	15	barG	
Design temp.	-196 ~65	degC	
Line size in/out	6	6	inch
Line Sch. / Thick.	40S	7.1	mm

Specification Sheet

No.: 2 QTY: 1
Tag no. HV-3711B
Service

< Specification >

Model	AGVM	
Description	Top-Guided Single-Seat Control Valves	
Valve size	1/2	inch
Port size	Cv=2.5	inch
Rated Cv	2.5	
Connection size		inch
Body rating	ANSI300	
End connection	BW	
Body material	A351CF8	
Trim material	SUS316L STELLITE	
Flow characteristic	LINEAR	
Bonnet type	EXTENTION-2W	
Actuator	PSA1	
Manual operator		
Valve action	REVERSE(Air fail close)	
Gland packing	V-PTFE	
Gasket	spiral, V563(PTFE)	
Grease		
Air supply	2.7bar	
Spring range	0.8-2.4bar	

< Accesories >

Positioner / Signal	
Exprosion-proof	
Signal	On-Off action
Regurator	KZ03-2B-1B
Regulator 2	
Limit Switch	
Action	
Solenoid valve	with
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-102 Indicating unit : "bar"

SV0601-001 Air piping Connection: 1/4 NPT

SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment

SVD005

<Finish>

Body:
Diaph. Case:
Yoke:
Paint:

<Operating condition>

Fluid name P-301A/Bblowdown(cooling down [ ]

	MAX	NOR	MIN	UNIT
Flow rate				l/h
Inlet pressure				barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		39		bar
Temperature				degC
Sp.Gr. (liq.)				water=1
Sp.Gr.(gas,vapor)				kg/m3[N]
Viscosity				cP
Flash				%
Velocity				m/s
S.P.L.				dBA
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV-S1 (SV0201-009)

<Note> Tokumi -

Air piping: Stainless steel (316ss)

<Line spec>

Design press.	39	barG	
Design temp.	-196 ~65	degC	
Line size in/out	1/2	1/2	inch
Line Sch. / Thick.	10S	2.11	mm

Specification Sheet

No.: 3 QTY: 1
Tag no. HV-3721A
Service

< Specification >

Model	HTS	
Description	Top-Guided Single Seated Control Valves	
Valve size	6	inch
Port size	5	inch
Rated Cv	275	
Connection size		inch
Body rating	ANSI300	
End connection	BW	
Body material	A351CF8	
Trim material	SUS316L STELLITE	
Flow characteristic	LINEAR	
Bonnet type	EXTENTION-2W	
Actuator	PSA6	
Manual operator		
Valve action	REVERSE(Air fail close)	
Gland packing	V-PTFE	
Gasket	V543(PTFE), V563(PTFE)	
Grease		
Air supply	5.0bar	
Spring range	2.0-3.9bar	

< Accesories >

Positioner / Signal	
Exprosion-proof	
Signal	On-Off action
Regurator	KZ03-3B-1C
Regulator 2	
Limit Switch	
Action	
Solenoid valve	with
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-102 Indicating unit : "bar"

SV0601-001 Air piping Connection: 1/4 NPT

SV0210 High differential pressure trim for HTS Valve

SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment

<Finish>

Body:
Diaph. Case:
Yoke:
Paint:

<Operating condition>

Fluid name CH4 from K-303to P-301B [GAS]

	MAX	NOR	MIN	UNIT
Flow rate	19500	18950	13200	m3/h[N]
Inlet pressure	3	3	3	barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		3		bar
Temperature	-148.3	-148.3	-148.3	degC
Sp.Gr. (liq.)				water=1
Sp.Gr.(gas,vapor)	0.72	0.72	0.72	air=1
Viscosity				cP
Flash				%
Velocity				Mach
S.P.L.				dBA
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV-S1 (SV0201-009)

<Note> Tokumi -

Air piping: Stainless steel (316ss)

<Line spec>

Design press.	15	barG	
Design temp.	-196 ~65	degC	
Line size in/out	6	6	inch
Line Sch. / Thick.	40S	7.1	mm

Specification Sheet

No.: 4 QTY: 1
Tag no. HV-3721B
Service

< Specification >

Model	AGVM	
Description	Top-Guided Single-Seat Control Valves	
Valve size	1/2	inch
Port size	Cv=2.5	inch
Rated Cv	2.5	
Connection size		inch
Body rating	ANSI300	
End connection	BW	
Body material	A351CF8	
Trim material	SUS316L STELLITE	
Flow characteristic	LINEAR	
Bonnet type	EXTENTION-2W	
Actuator	PSA1	
Manual operator		
Valve action	REVERSE(Air fail close)	
Gland packing	V-PTFE	
Gasket	spiral, V563(PTFE)	
Grease		
Air supply	2.7bar	
Spring range	0.8-2.4bar	

< Accesories >

Positioner / Signal	
Exprosion-proof	
Signal	On-Off action
Regurator	KZ03-2B-1B
Regulator 2	
Limit Switch	
Action	
Solenoid valve	with
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-102 Indicating unit : "bar"

SV0601-001 Air piping Connection: 1/4 NPT

SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment

SVD005

<Finish>

Body:
Diaph. Case:
Yoke:
Paint:

<Operating condition>

Fluid name P-301A/Bblowdown(cooling down [ ]

	MAX	NOR	MIN	UNIT
Flow rate				l/h
Inlet pressure				barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		39		bar
Temperature				degC
Sp.Gr. (liq.)				water=1
Sp.Gr.(gas,vapor)				kg/m3[N]
Viscosity				cP
Flash				%
Velocity				m/s
S.P.L.				dBA
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV-S1 (SV0201-009)

<Note> Tokumi -

Air piping: Stainless steel (316ss)

<Line spec>

Design press.	39	barG	
Design temp.	-196 ~65	degC	
Line size in/out	1/2	1/2	inch
Line Sch. / Thick.	10S	2.11	mm