

Specification Sheet

No.: 1 QTY: 1
 Tag no. HCV1581
 Service

Product no.:

< Specification >

Model AGVB
 Description Top-Guided Single-Seat Control Valves

Valve size 2 inch
 Port size 2 inch
 Rated Cv 50
 Connection size inch
 Body rating ANSI150
 End connection BW
 Body material A351CF8
 Trim material SUS316
 Flow characteristic EQ%
 Bonnet type BODY EXTENTION
 Actuator PSA1
 Manual operator SIDE
 Valve action REVERSE(Air fail close)
 Gland packing V-PTFE
 Gasket V543(PTFE), V563(PTFE)
 Grease
 Air supply 2.7bar
 Spring range 0.8-2.4bar

<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

< Accessories >

Positioner / Signal
 ExproSION-proof
 Signal On-Off action
 Regurator
 Regulator 2
 Limit Switch
 Action
 Solenoid valve
 Action
 Power supply
 Others

<Finish>

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

<Operating condition>

Fluid name	DRY AIR		[GAS]
	MAX	NOR	MIN
Flow rate			UNIT
Inlet pressure			m3/h[N]
Outlet pressure			barA
Diff. pressure			bar
Shut-off press.		6.1	bar
Temperature			degC
Sp.Gr. (liq.)			water=1
Sp.Gr. (gas,vapor)			MW
Viscosity			cP
Flash			%
Velocity			
S.P.L.			dba
Calculated Cv			
Travel			%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note>

Tokumi
 EXTENSION PASS-THROUGH:with

<Line spec>

Design press.	6.1	barG
Design temp.	-196~50	degC
Line size in/out		inch
Line Sch. / Thick.		mm

Specification Sheet

No.: 3 QTY: 1
 Tag no. HV6850
 Service

Product no.:

< Specification >

Model AGVB
 Description Top-Guided Single-Seat Control Valves

Valve size 1 inch
 Port size Cv=14 inch
 Rated Cv 14
 Connection size inch
 Body rating ANSI150
 End connection BW
 Body material A351CF8
 Trim material SUS316 STELLITE
 Flow characteristic EQ%
 Bonnet type EXTENTION-2
 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

<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

< Accessories >

Positioner / Signal
 ExproSION-proof
 Signal On-Off action
 Regurator KZ03-2B-1B
 Regulator 2
 Limit Switch NJ15S+U4+N
 Action
 Solenoid valve WPIS8314A300
 Action
 Power supply
 Others

<Finish>

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

<Operating condition>

Fluid name	NITROGEN			[LIQUID]
	MAX	NOR	MIN	UNIT
Flow rate				m3/h
Inlet pressure				barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		6.7		bar
Temperature				degC
Sp.Gr. (liq.)				water=1
Sp.Gr.(gas,vapor)				MW
Viscosity				cP
Flash				%
Velocity				
S.P.L.				dba
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note>

Tokumi

<Line spec>

Design press.	6.7	barG
Design temp.	-196-20	degC
Line size in/out		inch
Line Sch. / Thick.		mm

Specification Sheet

No.: 4 QTY: 1
 Tag no. HV6871
 Service

Product no.:

< Specification >

Model AGVB
 Description Top-Guided Single-Seat Control Valves

Valve size 1 inch
 Port size Cv=14 inch
 Rated Cv 14
 Connection size inch
 Body rating ANSI150
 End connection BW
 Body material A351CF8
 Trim material SUS316 STELLITE
 Flow characteristic EQ%
 Bonnet type EXTENTION-2
 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

<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

< Accesories >

Positioner / Signal
 ExproSION-proof
 Signal On-Off action
 Regurator KZ03-2B-1B
 Regulator 2
 Limit Switch NJ15S+U4+N
 Action
 Solenoid valve WPIS8314A300
 Action
 Power supply
 Others

<Finish>

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

<Operating condition>

Fluid name	NITROGEN			[LIQUID]
	MAX	NOR	MIN	UNIT
Flow rate				m3/h
Inlet pressure				barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		6.7		bar
Temperature				degC
Sp.Gr. (liq.)				water=1
Sp.Gr. (gas,vapor)				MW
Viscosity				cP
Flash				%
Velocity				
S.P.L.				dba
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note>

Tokumi

<Line spec>

Design press.	6.7	barG
Design temp.	-196~20	degC
Line size in/out		inch
Line Sch. / Thick.		mm

Specification Sheet

No.:	5	QTY:	1	Product no.:	
Tag no.	HV6872			<Option>	
Service				SV0703-102	Indicating unit : "bar"
< Specification >				SV0601-001	Air piping Connection: 1/4 NPT
Model	AGVB			SV0018-005	Oil-free Gr.B (For stainless steel body) and Water-free treatment
Description	Top-Guided Single-Seat Control Valves				
Valve size	1	inch			
Port size	Cv=14	inch			
Rated Cv	14				
Connection size		inch			
Body rating	ANSI150				
End connection	BW				
Body material	A351CF8				
Trim material	SUS316 STELLITE				
Flow characteristic	EQ%				
Bonnet type	EXTENTION-2				
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					
Explosion-proof					
Signal	On-Off action				
Regurator	KZ03-2B-1B				
Regulator 2					
Limit Switch	NJ15S+U4+N				
Action					
Solenoid valve	WPIS8314A300				
Action					
Power supply					
Others					
				<Finish>	
				Body:	M10B5/10
				Diaph. Case:	M10B5/10
				Yoke:	M10B5/10
				Paint:	Standard
<Operating condition>				<Seat Leakage>	
Fluid name	NITROGEN			CLASS IV (SV0201-003)	
	MAX	NOR	MIN		
Flow rate				<Note>	Tokumi
Inlet pressure					
Outlet pressure					
Diff. pressure					
Shut-off press.		6.7			
Temperature					
Sp.Gr. (liq.)					
Sp.Gr. (gas,vapor)					
Viscosity					
Flash					
Velocity				<Line spec>	
S.P.L.				Design press.	6.7 barG
Calculated Cv				Design temp.	-196~20 degC
Travel				Line size in/out	inch
				Line Sch. / Thick.	mm

Specification Sheet

No.:	6	QTY:	1	Product no.:	
Tag no.	HV6875			<Option>	
Service				SV0703-102	Indicating unit : "bar"
< Specification >				SV0601-001	Air piping Connection: 1/4 NPT
Model				SV0018-005	Oil-free Gr.B (For stainless steel body) and Water-free treatment
Description					
Valve size		inch			
Port size		inch			
Rated Cv					
Connection size		inch			
Body rating					
End connection	BW				
Body material	A351CF8				
Trim material	SUS316				
Flow characteristic	EQ%				
Bonnet type	EXTENTION-2				
Actuator					
Manual operator					
Valve action	REVERSE(Air fail close)				
Gland packing	V-PTFE				
Gasket	V543(PTFE), V563(PTFE)				
Grease					
Air supply					
Spring range					
< Accesories >					
Positioner / Signal					
Explosion-proof					
Signal	On-Off action				
Regurator	KZ03-2B-**				
Regulator 2					
Limit Switch	NJ15S+U4+N				
Action					
Solenoid valve	WPIS8314A300x2				
Action					
Power supply					
Others					
				<Finish>	
				Body:	M10B5/10
				Diaph. Case:	M10B5/10
				Yoke:	M10B5/10
				Paint:	Standard
<Operating condition>				<Seat Leakage>	
Fluid name	NITROGEN			CLASS IV (SV0201-003)	
	MAX	NOR	MIN		
Flow rate				<Note>	Tokumi
Inlet pressure					
Outlet pressure					
Diff. pressure					
Shut-off press.		6.1			
Temperature					
Sp.Gr. (liq.)					
Sp.Gr. (gas, vapor)					
Viscosity					
Flash					
Velocity				<Line spec>	
S.P.L.				Design press.	6.1 barG
Calculated Cv				Design temp.	-196~30 degC
Travel				Line size in/out	/ inch
				Line Sch. / Thick.	/ mm

Specification Sheet

No.: 7 QTY: 1
 Tag no. KV1828
 Service

Product no.:

< Specification >

Model AGVB
 Description Top-Guided Single-Seat Control Valves

Valve size 1-1/2 inch
 Port size 1-1/2 inch
 Rated Cv 30
 Connection size inch
 Body rating ANSI150
 End connection BW
 Body material A351CF8
 Trim material SUS316 STELLITE
 Flow characteristic EQ%
 Bonnet type EXTENTION-2
 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

<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

< Accesories >

Positioner / Signal
 Exproision-proof
 Signal On-Off action
 Regurator KZ03-2B-1B
 Regulator 2
 Limit Switch
 Action
 Solenoid valve WPIS8314A300
 Action
 Power supply
 Others

<Finish>

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

<Operating condition>

Fluid name	NITROGEN		[LIQUID]
	MAX	NOR	MIN UNIT
Flow rate			m3/h
Inlet pressure			barA
Outlet pressure			barA
Diff. pressure			bar
Shut-off press.		10	bar
Temperature			degC
Sp.Gr. (liq.)			water=1
Sp.Gr. (gas, vapor)			MW
Viscosity			cP
Flash			%
Velocity			
S.P.L.			dBA
Calculated Cv			
Travel			%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note>

Tokumi

<Line spec>

Design press.	10	barG
Design temp.	-196~50	degC
Line size	in/out	inch
Line Sch. / Thick.		mm

Specification Sheet

No.: 8		QTY: 1		Product no.:	
Tag no. KV1838				<Option>	
Service				SV0703-102 Indicating unit : "bar"	
< Specification >				SV0601-001 Air piping Connection: 1/4 NPT	
Model	AGVB			SV0018-005 Oil-free Gr.B (For stainless steel body) and Water-free treatment	
Description	Top-Guided Single-Seat Control Valves				
Valve size	1-1/2	inch			
Port size	1-1/2	inch			
Rated Cv	30				
Connection size		inch			
Body rating	ANSI150				
End connection	BW				
Body material	A351CF8				
Trim material	SUS316 STELLITE				
Flow characteristic	EQ%				
Bonnet type	EXTENTION-2				
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 >				<Finish>	
Positioner / Signal				Body: M10B5/10	
ExproSION-proof				Diaph. Case: M10B5/10	
Signal	On-Off action			Yoke: M10B5/10	
Regurator	KZ03-2B-1B			Paint: Standard	
Regulator 2					
Limit Switch					
Action					
Solenoid valve	WPIS8314A300				
Action					
Power supply					
Others					
<Operating condition>				<Seat Leakage>	
Fluid name	NITROGEN	[LIQUID]			CLASS IV (SV0201-003)
	MAX	NOR	MIN	UNIT	
Flow rate				m3/h	<Note> Tokumi
Inlet pressure				barA	
Outlet pressure				barA	
Diff. pressure				bar	
Shut-off press.		10		bar	
Temperature				degC	
Sp.Gr. (liq.)				water=1	
Sp.Gr. (gas,vapor)				MW	
Viscosity				cP	
Flash				%	
Velocity					<Line spec>
S.P.L.				dBA	Design press. 10 barG
Calculated Cv					Design temp. -196~50 degC
Travel				%	Line size in/out // inch
					Line Sch. / Thick. // mm

Specification Sheet

No.: 9 QTY: 1
 Tag no. PV1626
 Service

Product no.:

< Specification >

Model AGVB
 Description Top-Guided Single-Seat Control Valves

Valve size 1 inch
 Port size Cv=14 inch
 Rated Cv 14
 Connection size inch
 Body rating ANSI150
 End connection BW
 Body material A351CF8
 Trim material SUS316 STELLITE
 Flow characteristic EQ%
 Bonnet type EXTENTION-2
 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

<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

< Accesories >

Positioner / Signal
 ExproSION-proof
 Signal On-Off action
 Regurator KZ03-2B-1B
 Regulator 2
 Limit Switch
 Action
 Solenoid valve WPIS8314A300
 Action
 Power supply
 Others

<Finish>

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

<Operating condition>

Fluid name	NITROGEN			[LIQUID]
	MAX	NOR	MIN	UNIT
Flow rate				m3/h
Inlet pressure				barA
Outlet pressure				barA
Diff. pressure				bar
Shut-off press.		1.8		bar
Temperature				degC
Sp.Gr. (liq.)				water=1
Sp.Gr. (gas,vapor)				MW
Viscosity				cP
Flash				%
Velocity				
S.P.L.				dBa
Calculated Cv				
Travel				%

<Seat Leakage>

CLASS IV (SV0201-003)

<Note>

Tokumi

<Line spec>

Design press.	1.8	barG
Design temp.	-196~20	degC
Line size in/out		inch
Line Sch. / Thick.		mm