

Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	TV-1301	ACTUATOR		
Service	Refined Brine Tem. Control	Model		
Quantity		Place of Origin		
Line No.	1303-BRP-100-G1FF7-H50	Type	Pneumatic Diaphragm	
Pipe Material	20#	Action Style	Air-to-Open	
Pipe Size	DN 80	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel		
Process Fluid	Steam	Hand Wheel		
Operating Temperatru ^e °C	175	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	5	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	4.5	POSITIONER		
Shut-off DPress. kgf/cm2	5.0	Model & Place of Origin	YTC	
STEAM FLOW	MAX. kg/h	680.1	Input Signal	4~20mADC
	NOR. kg/h	566.8	Output Signal	0.2-1 kg/cm2
	MIN. kg/h	170	Action Style	Optional
Density at Oper. kg/m3	2.667	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	ExiaIICT4	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	SS 304	Solenoid Valve	TVS-1301 (24 V DC)	
Flange Std.	ANSI 150Lb	Cable conduit Size	1/2 NPT	
Flange Spec.	DN 80 FF	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	1/2NPT	
Valve Size	DN 50	Protection Class	/	
Plug Material	SS 316	Ex. Certification	ExiaIICT4	
Seat Material	SS 316	Model & Place of Origin	/	
Seal Ring Material	PTFE	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure G+L87:Y88auge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Cv Calculation Cv		Retaining valve	/	
Cv Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE: 1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification. 2. Cv details should be provided by the manufacturer.				

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	TV-1305	ACTUATOR	
Service	Brine Tem. Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1303-S8P-32-B2RF1-H50	Type	Pneumatic Diaphragm
Pipe Material	20#	Action Style	Air-to-Open
Pipe Size	DN32	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	Steam	Hand Wheel	
Operating Temperature °C	175	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	5	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	4.5	POSITIONER	
Shut-off DPress. kgf/cm2	4	Model & Place of Origin	YTC
STEAM FLOW	MAX. kg/h	102.1	Input Signal
	NOR. kg/h	68.1	Output Signal
	MIN. kg/h	20.4	Action Style
Density at Oper. kg/m3	2.667	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExiaIICT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
CONTROL ASSEMBLY			
Body Material	SS 304	Solenoid Valve	TSV 1305 - (24V DC)
Flange Std.	ANSI 150Lb	Cable conduit Size	1/2 NPT
Flange Spec.	DN 25 RF	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	1/2NPT
Valve Size	DN20	Protection Class	/
Plug Material	SS 316	Ex. Certification	ExiaIICT4
Seat Material	SS 316	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Cv Calculation Cv		Retaining valve	/
Cv Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
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Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	PV-1347	ACTUATOR		
Service	N2 Pressure Control	Model		
Quantity		1 No.	Place of Origin	
Line No.	1302-N-25-E2RF1	Type	Pneumatic Diaphragm	
Pipe Material	304	Action Style	Air-to-Open	
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel		
Process Fluid	N2	Hand Wheel		
Operating Temperatruue °C	AMB.	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	3	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	1.05	POSITIONER		
Shut-off DPress. kgf/cm2	1.95	Model & Place of Origin	YTC	
GAS FLOW	MAX. Nm3/h	60	Input Signal	4~20mADC
	NOR. Nm3/h	-	Output Signal	0.2-1 kg/cm2
	MIN. Nm3/h	20	Action Style	Optional
Density at Oper. kg/m3	1.25	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	/	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	SS 316	Solenoid Valve	/	
Flange Std.	ANSI 150Lb	Cable conduit Size	/	
Flange Spec.	DN25	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	/	
Valve Size	DN9	Protection Class	/	
Plug Material	SS 316	Ex. Certification	/	
Seat Material	SS 316	Model & Place of Origin	/	
Seal Ring Material	PTFE	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Cv Calculation Cv		Retaining valve	/	
Cv Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE:				
1. With SS304 Nameplate : MFR, Tag, SeriesNo., Type and other Specification.				
2. Cv details should be provided by the manufacturer.				

Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	PV-1346	ACTUATOR		
Service	Deionized Water Pressure Control	Model		
		Place of Origin		
Quantity	1 No.			
Line No.	1310-WD1-25-E2RF1	Type	Pneumatic Diaphragm	
Pipe Material	304	Action Style	Air-to-Open	
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel	20mm	
Process Fluid	H2O	Hand Wheel		
Operating Temperature °C	AMB.	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	4.2	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	3.5	POSITIONER		
Shut-off DPress. kgf/cm2	3.2	Model & Place of Origin	YTC	
LIQUID FLOW	MAX. m3/h	0.55	Input Signal	4~20mADC
	NOR. m3/h	0.312	Output Signal	0.2-1 kg/cm2
	MIN. m3/h	0.13	Action Style	Optional
Density at Oper. kg/m3	1000	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	/	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	SS 304	Solenoid Valve	/	
Flange Std.	ANSI 150Lb	Cable conduit Size	/	
Flange Spec.	DN25 RF	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	/	
Valve Size	DN10	Protection Class	/	
Plug Material	SS 316	Ex. Certification	/	
Seat Material	SS 316	Model & Place of Origin	/	
Seal Ring Material	PTFE	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Cv Calculation Cv		Retaining valve	/	
Cv Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE:				
1. With SS304 Nameplate : MFR, Tag, Series No., Type and other Specification.				
2. Cv details should be provided by the manufacturer.				

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	PV-1345	ACTUATOR	
Service	H2 Pressure Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1312-HZ-100-B2RF3	Type	Pneumatic Diaphragm
Pipe Material	20#	Action Style	Air-to-Open
Pipe Size	DN100	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	H2	Hand Wheel	
Operating Temperatruue °C	40	Air Supply Pressure	
Upstream Pres.kgf/cm2 abs	1.17	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	1.03	POSITIONER	
Shut-off DPress. kgf/cm2	0.14	Model & Place of Origin	YTC
GAS FLOW	MAX. Nm3/h	1000	Input Signal
	NOR. Nm3/h	300	Output Signal
	MIN. Nm3/h	0	Action Style
Density at Oper. kg/m3	0.1	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExiaIICT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	SS 304	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN80 RF	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	/
Valve Size	DN65	Protection Class	/
Plug Material	SS 316	Ex. Certification	/
Seat Material	SS 316	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Cv Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	LV-1301	ACTUATOR	
Service	T-1301 Level Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	T-1301	Type	Pneumatic Diaphragm
Pipe Material	PPH/FRP	Action Style	Air-to-Close
Pipe Size	DN100	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	NaCL	Hand Wheel	
Operating Temperatruue °C	58	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	4	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	3.5	POSITIONER	
Shut-off DPress. kgf/cm2	3.0	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	36.9	Input Signal
	NOR. m3/h	30.8	Output Signal
	MIN. m3/h	9.2	Action Style
Density at Oper. kg/m3	1174	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExiaHCT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Open	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	GGG40.3 + PTFE	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN100 FF	Limited Switch	/
Flow Open/Close	Flow Close	Cable conduit Size	/
Valve Size	DN100	Protection Class	/
Plug Material	SS 316 L+PFA	Ex. Certification	/
Seat Material	SS 316 L+PFA	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	LV-1302	ACTUATOR	
Service	T-1302 Level Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	T-1302	Type	Pneumatic Diaphragm
Pipe Material	TA2	Action Style	Air-to-Close
Pipe Size	DN80	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	NaCL	Hand Wheel	
Operating Temperatru °C	83	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	4.9	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	4.4	POSITIONER	
Shut-off DPress. kgf/cm2	5.1	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	29.3	Input Signal
	NOR. m3/h	24.4	Output Signal
	MIN. m3/h	7.3	Action Style
Density at Oper. kg/m3	1094	Cable conduit Size	1/2NPT
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExialICT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Open	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	GGG40.3 + PTFE	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN80 RF	Limited Switch	/
Flow Open/Close	Flow Close	Cable conduit Size	/
Valve Size	DN80	Protection Class	/
Plug Material	SS 316+PFA Coated	Ex. Certification	/
Seat Material	SS 316+PFA	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet

Pnumatic Control Valve

Tag No.	LV-1303	ACTUATOR	
Service	T-1303 Level Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	T-1303	Type	Pneumatic Diaphragm
Pipe Material	310S	Action Style	Air-to-Open
Pipe Size	DN50	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	32%NaOH	Hand Wheel	
Operating Temperatruue °C	85	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	6.5	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	6	POSITIONER	
Shut-off DPress. kgf/cm2	5.7	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	Input Signal	4-20mADC
	NOR. m3/h	Output Signal	0.2-1 kg/cm2
	MIN. m3/h	Action Style	Optional
Density at Oper. kg/m3	1303	Cable conduit Size	1/2NPT
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExiaIICT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	310S	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN50 RF	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	/
Valve Size	DN50	Protection Class	/
Plug Material	Hastelloy C	Ex. Certification	/
Seat Material	Hastelloy C	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	

NOTE:

1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.
2. Cv details should be provided by the manufacturer.

Instrument Data Sheet

Pnumatic Control Valve

Tag No.	LV-1307	ACTUATOR	
Service	T-1304 Level Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	T-1304	Type	Pneumatic Diaphragm
Pipe Material	310S	Action Style	Air-to-Close
Pipe Size	DN150	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	32%NaOH	Hand Wheel	
Operating Temperatruue °C	85	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	6.2	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	5.6	POSITIONER	
Shut-off DPress. kgf/cm2	5.7	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	55	Input Signal
	NOR. m3/h	45.8	Output Signal
	MIN. m3/h	13.8	Action Style
Density at Oper. kg/m3	1303	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExiaIICT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Open	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	310S	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN125 RF WAFER	Limited Switch	/
Flow Open/Close	Flow Close	Cable conduit Size	/
Valve Size	DN125	Protection Class	/
Plug Material	Hastelloy C	Ex. Certification	/
Seat Material	Hastelloy C	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	Inherent	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	

NOTE:

1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.
2. Cv details should be provided by the manufacturer.

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	LV-1351	ACTUATOR	
Service	C-1301 Level Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	C-1301	Type	Pneumatic Diaphragm
Pipe Material	PTFE/20#	Action Style	Air-to-Open
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	CL2+H2O	Hand Wheel	
Operating Temperatruue °C	45	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	4	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	3	POSITIONER	
Shut-off DPress. kgf/cm2	3.5	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	1	Input Signal
	NOR. m3/h	0.4	Output Signal
	MIN. m3/h	0.2	Action Style
Density at Oper. kg/m3	998	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	/
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	GGG40.3 + PFA	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN25 RF	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	/
Valve Size	DN10	Protection Class	/
Plug Material	PTFE	Ex. Certification	/
Seat Material	PTFE	Model & Place of Origin	/
Seal Ring Material	PTFE+ Bellows Seal	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet

Pnumatic Control Valve

Tag No.	FV-1342	ACTUATOR		
Service	Water Flow Control	Model		
Quantity	1 No.	Place of Origin		
Line No.	1303-WD1-80-E2RF1	Type	Pneumatic Diaphragm	
Pipe Material	304	Action Style	Air-to-Open	
Pipe Size	DN80	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel		
Process Fluid	H2O	Hand Wheel		
Operating Temperature °C	AMB.	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	3.5	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	3	POSITIONER		
Shut-off DPress. kgf/cm2	0.5	Model & Place of Origin	YTC	
LIQUID FLOW	MAX. m3/h	15.4	Input Signal	4~20mADC
	NOR. m3/h	10.3	Output Signal	0.2-1 kg/cm2
	MIN. m3/h	3.4	Action Style	Optional
Density at Oper. kg/m3	1000	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	/	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	SS 316	Solenoid Valve	/	
Flange Std.	ANSI 150Lb	Cable conduit Size	/	
Flange Spec.	DN80	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	/	
Valve Size	DN 65	Protection Class	/	
Plug Material	SS 316	Ex. Certification	/	
Seat Material	SS 316	Model & Place of Origin	/	
Seal Ring Material	PTFE	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Calculation Cv		Retaining valve	/	
Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		

NOTE:

1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.
2. Cv details should be provided by the manufacturer.

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	FV-1331	ACTUATOR	
Service	Depleted Water Flow Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1308-BRP-150-G1FF7	Type	Pneumatic Diaphragm
Pipe Material	PPH/FRP	Action Style	Air-to-Close
Pipe Size	DN150	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	NaCL	Hand Wheel	
Operating Temperatruue °C	60	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	2.4	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	1.9	POSITIONER	
Shut-off DPress. kgf/cm2	2.0	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	41.8	Input Signal
	NOR. m3/h	34.8	Output Signal
	MIN. m3/h	10.4	Action Style
Density at Oper. kg/m3	1171	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	/
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Open	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	GGG40.3 + PTFE	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN125 FF	Limited Switch	/
Flow Open/Close	Flow Close	Cable conduit Size	/
Valve Size	DN100	Protection Class	/
Plug Material	SS 316+PFA Coated	Ex. Certification	/
Seat Material	SS 316+PFA	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	FV-1332	ACTUATOR	
Service	Caustic Soda Flow Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1302-HND-150-E2RF2	Type	Pneumatic Diaphragm
Pipe Material	310S	Action Style	Air-to-Close
Pipe Size	DN150	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	32%NaOH	Hand Wheel	
Operating Temperatruue °C	80	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	2.5	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	2	POSITIONER	
Shut-off DPress. kgf/cm2	2.0	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	58.3	Input Signal
	NOR. m3/h	48.6	Output Signal
	MIN. m3/h	14.6	Action Style
Density at Oper. kg/m3	1303	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	/
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Open	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	310S	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN125 RF	Limited Switch	/
Flow Open/Close	Flow Close	Cable conduit Size	/
Valve Size	DN125	Protection Class	/
Plug Material	Hastelloy C	Ex. Certification	/
Seat Material	Hastelloy C	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR, Tag, SeriesNo., Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet			
Pneumatic Control Valve			
Tag No.	FV-1321	ACTUATOR	
Service	Water Flow Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1304-WD1-40-E2RF1	Type	Pneumatic Diaphragm
Pipe Material	304	Action Style	Air-to-Open
Pipe Size	DN40	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	H2O	Hand Wheel	
Operating Temperature °C	AMB.	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	4.2	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	3.5	POSITIONER	
Shut-off DPress. kgf/cm2	3.2	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	4.1	Input Signal
	NOR. m3/h	2.9	Output Signal
	MIN. m3/h	0.86	Action Style
Density at Oper. kg/m3	1000	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	/
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	SS 304	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN25 RF	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	/
Valve Size	DN25	Protection Class	/
Plug Material	SS 316	Ex. Certification	/
Seat Material	SS 316	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	FV-1311	ACTUATOR	
Service	HCL Flow Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1302-DHC-25-G1FF3	Type	Pneumatic Diaphragm
Pipe Material	PVC-C	Action Style	Air-to-Open
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	17%HCL	Hand Wheel	
Operating Temperatruue °C	20	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	2.7	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	2.2	POSITIONER	
Shut-off DPress. kgf/cm2	3.0	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	1.66	Input Signal
	NOR. m3/h	0.63	Output Signal
	MIN. m3/h	0.17	Action Style
Density at Oper. kg/m3	1085	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	/
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
CONTROL ASSEMBLY			
Body Material	GGG40.3+PTFE	Solenoid Valve	FSV 1311 (24V DC)
Flange Std.	ANSI 150Lb	Cable conduit Size	1/2 NPT (F)
Flange Spec.	DN25	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	1/2NPT
Valve Size	DN18	Protection Class	/
Plug Material	PTFE	Ex. Certification	/
Seat Material	PTFE	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	FV-1305	ACTUATOR		
Service	HCL Flow Control	Model		
Quantity	1 No.	Place of Origin		
Line No.	1302-DHC-25-G1FF3	Type	Pneumatic Diaphragm	
Pipe Material	PVC-C	Action Style	Air-to-Open	
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel	20 mm	
Process Fluid	31%HCL	Hand Wheel		
Operating Temperatruue °C	AMB.	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	4.0	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	3.5	POSITIONER		
Shut-off DPress. kgf/cm2	3.0	Model & Place of Origin	YTC	
LIQUID FLOW	MAX. m3/h	0.29	Input Signal	4-20mADC
	NOR. m3/h	0.2	Output Signal	0.2-1 kg/cm2
	MIN. m3/h	0.1	Action Style	
Density at Oper. kg/m3	1154	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	/	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	GGG40.3+PTFE	Solenoid Valve	FSV 1305 (24V DC)	
Flange Std.	ANSI 150Lb	Cable conduit Size	1/2 NPT (F)	
Flange Spec.	DN25 FF	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	/	
Valve Size	DN9	Protection Class	/	
Plug Material	PTFE	Ex. Certification	/	
Seat Material	PTFE	Model & Place of Origin	/	
Seal Ring Material	PTFE+ Bellows Seal	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Calculation Cv		Retaining valve	/	
Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE:				
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.				
2. Cv details should be provided by the manufacturer.				

Instrument Data Sheet			
Pnumatic Control Valve			
Tag No.	FV-1365	ACTUATOR	
Service	Depleted Water Flow Control	Model	
Quantity	1 No.	Place of Origin	
Line No.	1315-BRD-40-T1RF1-H50	Type	Pneumatic Diaphragm
Pipe Material	TA2	Action Style	Air-to-Open
Pipe Size	DN40	Spring Range	0.2-1 kg/cm2
OPERATING CONDITIONS		Travel	
Process Fluid	NaCL	Hand Wheel	
Operating Temperature °C	83	Air Supply Pressure	5 kg/cm2
Upstream Pres.kgf/cm2 abs	4.9	Pneu.Connect Size	1/4NPT
Downstream P. kgf/cm2 abs	4.4	POSITIONER	
Shut-off DPress. kgf/cm2	4.1	Model & Place of Origin	YTC
LIQUID FLOW	MAX. m3/h	4.9	Input Signal
	NOR. m3/h	4.1	Output Signal
	MIN. m3/h	1.2	Action Style
Density at Oper. kg/m3	1094	Cable conduit Size	1/2NPT (F)
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2
Compress Factor		Protection Class	IP65
Vapor Pressure MPa		Ex. Certification	ExiaIICT4
Critical Pressure MPa		VALVE POSITION TRANSMITTER	
Noise Level		Model & Place of Origin	/
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/
BODY/PLUG SPECIFICATION		Cable conduit Size	/
Model & Place of Origin		Protection Class	/
Valve Style	Globe Valve	Ex. Certification	/
		CONTROL ASSEMBLY	
Body Material	GGG40.3+PTFE	Solenoid Valve	/
Flange Std.	ANSI 150Lb	Cable conduit Size	/
Flange Spec.	DN40	Limited Switch	/
Flow Open/Close	Flow Open	Cable conduit Size	/
Valve Size	DN32	Protection Class	/
Plug Material	PTFE	Ex. Certification	/
Seat Material	PTFE	Model & Place of Origin	/
Seal Ring Material	PTFE	FILTER RELIEF VALVE	
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304
Heat Fin/Extention	/	ACCESSORIES	
Calculation Cv		Retaining valve	/
Selected Cv		Spare Cylinder	/
Allow ΔPc kgf/cm2		Other	Mounting Bracket
Open % at Max. Flow		Manufacturer	
NOTE:			
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.			
2. Cv details should be provided by the manufacturer.			

Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	FV-1379	ACTUATOR		
Service	N2 Flow Control	Model		
Quantity	1 No.	Place of Origin		
Line No.	1309-N-25-E2RF1	Type	Pneumatic Diaphragm	
Pipe Material	304	Action Style	Air-to-Close	
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel	20mm	
Process Fluid	N2	Hand Wheel		
Operating Temperatruue °C	AMB.	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	3.5	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	3.0	POSITIONER		
Shut-off DPress. kgf/cm2	2.5	Model & Place of Origin	YTC	
GAS FLOW	MAX. Nm3/h	60	Input Signal	4-20mADC
	NOR. Nm3/h	-	Output Signal	0.2-1 kg/cm2
	MIN. Nm3/h	20	Action Style	Optional
Density at Oper. kg/m3	1.25	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	ExiaIICT4	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Open	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	SS 304	Solenoid Valve	/	
Flange Std.	ANSI 150Lb	Cable conduit Size	/	
Flange Spec.	DN25 RF	Limited Switch	/	
Flow Open/Close	Flow Close	Cable conduit Size	/	
Valve Size	DN15	Protection Class	/	
Plug Material	SS 316	Ex. Certification	/	
Seat Material	SS 316	Model & Place of Origin	/	
Seal Ring Material	PTFE	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Calculation Cv		Retaining valve	/	
Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE:				
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.				
2. Cv details should be provided by the manufacturer				

Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	FV-1306	ACTUATOR		
Service	Depleted Water Flow Control	Model		
Quantity	1 No.	Place of Origin		
Line No.	1316-BRD-32-T1RF1-H50	Type	Pneumatic Diaphragm	
Pipe Material	TA2	Action Style	Air-to-Open	
Pipe Size	DN32	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel		
Process Fluid	NaCL	Hand Wheel		
Operating Temperatruer °C	83	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	5.1	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	4.4	POSITIONER		
Shut-off DPress. kgf/cm2	4.1	Model & Place of Origin	YTC	
LIQUID FLOW	MAX. m3/h	3.7	Input Signal	4~20mADC
	NOR. m3/h	2.4	Output Signal	0.2-1 kg/cm2
	MIN. m3/h	0.7	Action Style	Optional
Density at Oper. kg/m3	1094	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	ExiaIICT4	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
CONTROL ASSEMBLY				
Body Material	GGG40.3+PTFE	Solenoid Valve	/	
Flange Std.	ANSI 150Lb	Cable conduit Size	/	
Flange Spec.	DN25 RF	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	/	
Valve Size	DN25	Protection Class	/	
Plug Material	PTFE	Ex. Certification	/	
Seat Material	PTFE	Model & Place of Origin	/	
Seal Ring Material	PTFE	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Calculation Cv		Retaining valve	/	
Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE:				
1. With SS304 Nameplate : MFR,Tag,SeriesNo.,Type and other Specification.				
2. Cv details should be provided by the manufacturer.				

Instrument Data Sheet				
Pnumatic Control Valve				
Tag No.	FV-1345	ACTUATOR		
Service	HCL Flow Control	Model		
		Place of Origin		
Quantity	1 No.			
Line No.	1301-DHC-25-G1FF3	Type	Pneumatic Diaphragm	
Pipe Material	PVC-C	Action Style	Air-to-Open	
Pipe Size	DN25	Spring Range	0.2-1 kg/cm2	
OPERATING CONDITIONS		Travel		
Process Fluid	31%HCL	Hand Wheel		
Operating Temperatruue °C	20	Air Supply Pressure	5 kg/cm2	
Upstream Pres.kgf/cm2 abs	4.0	Pneu.Connect Size	1/4NPT	
Downstream P. kgf/cm2 abs	3.5	POSITIONER		
Shut-off DPress. kgf/cm2	3.0	Model & Place of Origin	YTC	
LIQUID FLOW	MAX. m3/h	0.57	Input Signal	4-20mADC
	NOR. m3/h	0.327	Output Signal	0.2-1 kg/cm2
	MIN. m3/h	0.14	Action Style	Optional
Density at Oper. kg/m3	1154	Cable conduit Size	1/2NPT (F)	
Dynamic Viscosity mPa.s		Air Supply Pressure	5 kg/cm2	
Compress Factor		Protection Class	IP65	
Vapor Pressure MPa		Ex. Certification	/	
Critical Pressure MPa		VALVE POSITION TRANSMITTER		
Noise Level		Model & Place of Origin	/	
Air Fail Open/Close	Fail Close	Valve Position Transmitter	/	
BODY/PLUG SPECIFICATION		Cable conduit Size	/	
Model & Place of Origin		Protection Class	/	
Valve Style	Globe Valve	Ex. Certification	/	
		CONTROL ASSEMBLY		
Body Material	GGG40.3+PTFE	Solenoid Valve	FSV 1345 (24V DC)	
Flange Std.	ANSI 150Lb	Cable conduit Size	1/2 NPT (F)	
Flange Spec.	DN25 FF	Limited Switch	/	
Flow Open/Close	Flow Open	Cable conduit Size	1/2NPT	
Valve Size	DN10	Protection Class	/	
Plug Material	PTFE	Ex. Certification	/	
Seat Material	PTFE	Model & Place of Origin	/	
Seal Ring Material	PTFE+ Bellows Seal	FILTER RELIEF VALVE		
Leakage Class	ANSI VI	Air Connect Size	Rc1/4-φ8	
Flow Characteristic	EQ%	Valve Pressure Gauge	φ50/ SS 304	
Heat Fin/Extention	/	ACCESSORIES		
Calculation Cv		Retaining valve	/	
Selected Cv		Spare Cylinder	/	
Allow ΔPc kgf/cm2		Other	Mounting Bracket	
Open % at Max. Flow		Manufacturer		
NOTE:				
1. With SS304 Nameplate: MFR,Tag,SeriesNo.,Type and other Specification.				
2. Cv details should be provided by the manufacturer.				

Instrument Data Sheet			
Pnumatic On/off Valve			
TAG. NO.	ZV-1379		
SERVICE	Sequencing valve		
LINE NO./SIZE	1309-N-25-E2RF1		
PIPE MATERIAL	304		
OPERATING CONDITIONS			
PROCESS FLUID	N2		
TEMPERATURE °C	AMB.		
PRESSURE Kg/cm2	1.50		
MAX. DIFF. PRESSURE Kg/cm2	1.50		
DENS. AT OPER. kg/m3			
VALVE SPECIFICATION			
MODEL			
QUANTITY	1 No.		
TYPE	Globe Valve		
NOMINAL DIAMETER (mm)	1 "		
BODY MATERIAL	304		
SEAT MATERIAL	SS 316		
PLUG MATERIAL	SS 316		
CONNECTION TYPE	Flange		
CONNECTION SPEC.	ANSI 150Lb 1" RF		
LEAKAGE CLASS	ANSI VI		
ACTUATOR			
MODEL			
ACTUATOR TYPE	Single acting cylinder		
RETUNE ACTUATOR			
AIR FAIL OPEN/CLOSE	Fail Open		
AIR SUPPLY PRESS.	5 kg/cm2		
AIR CONN. SIZE	1/4"NPT		
REGULATOR	Yes		
REGULATOR GAUGE	φ50/ SS 304		
AIR CONN. SIZE	Rc 1/4-φ8		
POSITION SWITCH	Open/Close		
CABLE CONDUIT SIZE	1/2"NPT		
SOLENOID	YES		
SOLENOID TYPE	two-position three-way		
SOLENOID MATERIAL	304+PVC Coated		
POWER SUPPLY	24VDC 2-wire		
CABLE CONDUIT SIZE	1/2"NPT		
Ex. CERTIFICATION	Ex iaIICT4		
ACCESSORIES	Speed controller		
MANUFACTURER			
REMARKS	IntegratedSupply		
NOTE: With SS304 Nameplate: MFR, Tag, SeriesNo., Type and other Specification.			