

(Item # 01)

P: 2/4

PROJECT _____				DATA SHEET _____ of _____			
UNIT _____				SPEC _____			
P.O. _____				TAG _____			
ITEM _____				DWG _____			
CONTRACT _____				SERVICE _____			
*MFR. SERIAL _____							
Fluid		Steam line for heating		Crit Press Pc			
SERVICE CONDITION	Flow Rate	Units lb/hr	Max 1500	Norm 1000	Min -	Shut-Off -	
	Inlet Pressure	Bar	9	8	-		
	Outlet Pressure	Bar	8	7	-		
	Inlet Temperature	°C	175	170	-		
	Spec Wt / Spec Grav / Mol Wt				-		
	Viscosity / Spec Heats Ratio				-		
	Vapour Pressure Pv				-		
	*Required Cv				-		
	*Travel	%				0	
	Allowable/ *Predicated SPL	dBA	/	/	/	-	
LINE	Pipe Line Size & Schedule	In Out	DN 25, 40s	53	ACTUATOR	*TYPE	Pneumatic Piston, double acting, Cylindrical
			DN 25, 40s	54		*Mfr. & Model	Valtek/Fisher only
	Pipe Line Insulation		Glass wool	55		*Size	
VALVE BODY / BONNET	*Type		Single Seat Globe	56		On/Off	Regulating
	*Size	1" ANSI Class		57		Spring Action Open/Close	Close also should be Field reversible
	*Max Press/ Temp		10 Bar/180 °C	58		*Max Allowable Pressure	10.3 Barg
	*Mfr. & Model		Valtek/Fisher only	59		*Min Required Pressure	2.8 Barg
	*Body/Bonnet Matl		SS-304L/SS-316L	60		Available Supply Pressure	
	*Liner Material/ID			61		Max	6 Bar
	End	In		Integral Flanged		62	Min
	Connection	out		Integral Flanged	63	*Bench Range	
	Flg Face Finish			Raised Face	64	Actuator Orientation	Vertical
	End Ext/Matl				65	Hand Wheel Type	Side mounted
*Flow Direction				66	Air Failure Valve	Yes, Fail safe Close	
TRIM	*Type of Bonnet		Standard	67	POSITIONER	Input Signal	4-20 mA
	Lub & Iso Valve		Lube	68		*Type	Analog with I/P
	*Packing Material			69		*Mfr. & Model	Valtek/Fisher only
	*Packing Type			70		*On Incr Signal Output Incr/Decr	
	*Type		Full area, double-top stem guided	71	Gauges	Yes Bypass	
	*Size		Rated Travel	72	*Cam Characteristic	Linear	
	*Characteristic		Linear	73	SWITCHES	Type	Quan
	*Balanced/Unbalanced		Un-balanced	74		*Mfr. & Model	
	*Rated Cv	FL	Xr	75		Contacts/ Rating	
	*Pkg/Ball/Disk Material		SS-304L/SS-316L	76		Actuation Points	
*Seat Material		SS-304L/SS-316L	77	AIRSET	*Mfr. & Model		
*Cage/Guide Material			78		*Set Pressure		
*Stem Material		SS-304L/SS-316L	79		Filter	Guage	
SPECIALS / ACCESSORIES	Position Feedback			82	TESTS	*Hydro Pressure	
	Output signal: 4 to 20 mA			83		ANSI / FCI Leakage Class	Class-IV
	Position transmitter: Analog 4 to 20 mA			84			
	Mounting: Side mounting on the valve			85			
				86			
	Rev	Date	Revision	Orig	App		

Make: Western Europe/Japan/Canada/Malaysia /USA or Equivalent.

\* Information supplied by Seller unless already specified.

ISA FORM S20.50, Rev.1

(Item # 02)

P.3/4

PROJECT UNIT P.O. ITEM CONTRACT *MFR. SERIAL	Compressed Air			DATA SHEET			OR
	Control Valves (02 Nos.)	SPBC TAG DWG	SERVICE	Crit Press Pe	Norm	Min	
1	Fluid						
2	Flow Rate	Units	Max				
3		m <sup>3</sup> /hr	80		60		
4	Inlet Pressure	Bar	8		7		
5	Outlet Pressure	Bar	7.8		6.8		
6	Inlet Temperature	°C	40		35		
7	Spec Wt /Spec Grav / Mol Wt						
8	Viscosity / Spec Heats Ratio						
9	Vapour Pressure Pv						
10	*Required Cv						
11	*Travel	%					0
12	Allowable/ *Predicated SPL	dBa	/		/		
13							
14	Pipe Line Size & Schedule	In	DN 15, 40s				Pneumatic Piston, double acting, Cylindrical
15		Out	DN 15, 40s				Valve/Fisher only
16	Pipe Line Insulation		Nil				
17	*Type		Single Seat Globe				Regulating
18	*Size	0.5"	ANSI Class				Close also should be Field reversible
19	*Max Press/ Temp		2 Bar/40 °C				10.3 Barg
20	*Mfr. & Model		Valve/Fisher only				2.8 Barg
21	*Body/Bonnet Mat		SS-304L/SS-316L				Available Supply Pressure
22	*Liner Material/ID	In					Max 6 Bar Min 4 Bar
23	End Connection	out	Integral Flanged				*Bench Range
24	Flg Face Finish		Integral Flanged				Actuator Orientation
25	End Ext/Mat		Raised Face				Hand/Wheel Type
26	*Flow Direction		Standard				Air Failure Valve
28	*Type of Bonnet		Tube				
29	Lub & Iso Valve						
30	*Packing Material						
31	*Packing Type		Full area, double-top stem guided				
32	*Type		Rated Travel				
33	*Size		Linear				
34	*Characteristic		Un-balanced				
35	*Balanced/Unbalanced						
36	*Rated Cv		R <sub>v</sub> X <sub>r</sub>				
37	*Plug/Ball/Disk Material		SS-304L/SS-316L				
38	*Seat Material		SS-304L/SS-316L				
39	*Cage/Guide Material		SS-304L/SS-316L				
40	*Stem Material						
41							
42							
43	Position Feedback						
44	Output signal: 4 to 20 mA						
45	Position transmitter: Analog 4 to 20 mA						
46	Mounting: Side mounting on the valve						
47							
48							
49							
50							
51							
52							
	SPECIALS / ACCESSORIES						
	TRIM						
	VALVE BODY / BONNET						
	LINE						
	ACTUALTOR						
	POSITIONER						
	SWITCHES						
	AIRSET						
	TESTS						
	Revision						
	Orig						
	App						

Make: Western Europe/Japan/Canada/Malaysia/USA or Equivalent.  
 \* Information supplied by Sales unless already specified.  
 ISA FORM 520.50, Rev.1

PROJECT _____ UNIT _____ P.O. _____ ITEM Control Valves (01 Nos.) CONTRACT _____ *MFR. SERIAL _____		DATA SHEET _____ Of _____ SPEC _____ TAG _____ DWG _____ SERVICE Vacuum					
1	* Fluid	Air		Crit Press Pc			
2	SERVICE CONDITION		Units	Max	Norm	Min	Shut- Off
3		Flow Rate	m <sup>3</sup> /hr	25	18	-	-
4		Inlet Pressure	mm WG	-120	-120	-	-
5		Outlet Pressure	mm WG	-1000	-1000	-	-
6		Inlet Temperature	°C	60	60	-	-
7		Spec Wt /Spec Grav / Mol Wt				-	-
8		Viscosity / Spec Heats Ratio				-	-
9		Vapour Pressure Pv				-	-
10		*Required Cv				-	-
11		*Travel	%				0
12	Allowable/ *Predicated SPL	dBA	/	/	/	-	-
13							
14	LINE	Pipe Line Size & Schedule	In Out	DN 15, 40s	53	*TYPE Pneumatic Piston, double acting, Cylindrical *Mfr. & Model Valtek/Fisher only *Size _____ On/Off Regulating Spring Action Open/Close Close also should be Field reversible *Max Allowable Pressure 10.3 Barg *Min Required Pressure 2.8 Barg Available Supply Pressure Max 6 Bar Min 4 Bar *Bench Range _____ Actuator Orientation Vertical Hand/Wheel Type Side mounted Air Failure Valve Yes, Fail safe Close	
15				DN 15, 40s	54		
16		Pipe Line Insulation		Nil	55		
17	VALVE BODY / BONNET	*Type	Single Seat Three Way (Converging)			56	
18		*Size	0.5" ANSI Class			57	
19		*Max Press/ Temp	0.1 Bar/60 °C			58	
20		*Mfr. & Model	Valtek/Fisher only			59	
21		*Body/Bonnet Matl	SS-304L/SS-316L			60	
22		*Liner Material/ID				61	
23		End In	Integral Flanged			62	
24		Connection out	Integral Flanged			63	
25		Fig Face Finish	Raised Face			64	
26		End Ext/Matl				65	
27	*Flow Direction				66		
28	*Type of Bonnet	Standard			67		
29	Lub & Iso Valve	Lube			68		
30	*Packing Material				69		
31	*Packing Type				70		
32	TRIM	*Type	Full area, double-top stem guided			71	
33		*Size	Rated Travel			72	
34		*Characteristic	Linear			73	
35		*Balanced/Unbalanced	Un-balanced			74	
36		*Rated Cv	FL	Xr		75	
37	*Plug/Ball/Disk Material	SS-304L/SS-316L			76		
38	*Seat Material	SS-304L/SS-316L			77		
39	*Cage/Guide Material				78		
40	*Stem Material	SS-304L/SS-316L			79		
41	SPECIALS / ACCESSORIES	Position Feedback Output signal: 4 to 20 mA Position transmitter: Analog 4 to 20 mA Mounting: Side mounting on the valve				82	
42						83	
43						84	
44						85	
45						86	
46						86	
47							
48							
49							
50							
51							
52							

Make: Western Europe/Japan/Canada/Malaysia /USA of Equivalent.

\* Information supplied by Seller unless already specified.