

INSTRUMENT DATA SHEET

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DWG. NO.	G181S-2021509-K-03	STAGE		1 SHEET	11 OF
 福建省石化设计研究院 FUJIAN PROVINCIAL PETROCHEMICAL DESIGNING INSTITUTE 发证部门：中华人民共和国住房和城乡建设部 证书编号：建字第350004203611号			PROJECT		

General 1 Tag Number P&I

Service Condition

Body

Trim

4	Pipe O.D/I.D		DN50		
5	Fluid	State			
6	Flow Rate		Max.Flow	Nor.Flow	Min.Flow
7	kg/h (Liquid, Steam) nm3/h[Gas()]				
8	Inlet Pressure MPa(G)	Outlet Des.Press.MPa(G)	1.2		
9	Design Temp. ()	Oper.Temp.()			
10	Des.Pressure MPa(G)	Alt.Oper. Press. MPa(G)			
11	Des.Shut-Off DP(MPa)	Allowable dBA	1.2		≤85dB
12	Model				
13	Type				
14	Body Size	Bonnet Type	DN50		STANDARD
15	Body Mat'l	Bonnet Mat'l		WCB	
16	Conn. Type	In	, DN50	ANSI	CL300, RF
17	Packing Mat'l	Out	, DN50	ANSI	CL300, RF
18	Packing Type				
19	Lubricator	Packed Valve			
20	Flange Face Finish	Flow Direction			
21	Trim Size	Pressure Rating	, DN50	ANSI	CL300, RF
22	Available Temp.				CL300
23	Trim Type	Trim Mat'l			



General	1	Tag Number	P&I
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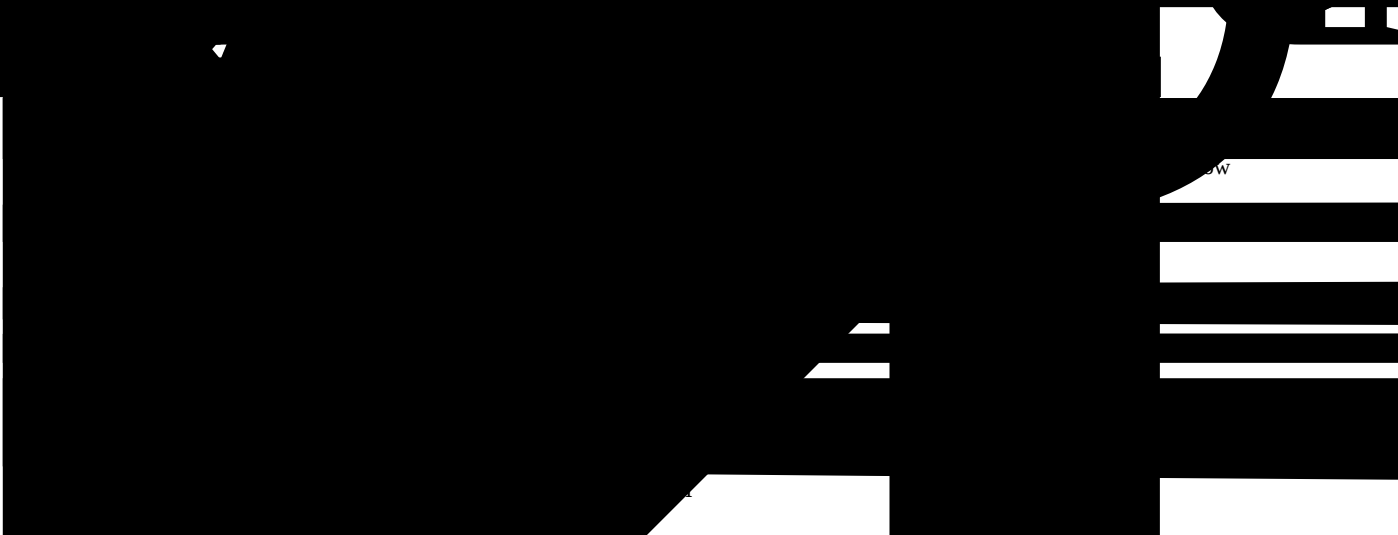
Service Condition	5	Flow Rate	State	Max.Flow	Nor.Flow	Min.Flow
	6	kg/h (liquid, Steam m3/h[])				
		Inlet Pressure MPa(G)	Des.Press.MPa(G)	1.2		
	8	Design Temp. ()	Oper.Temp.()			
	9	Des.Pressure MPa(G)	Alt.Oper. Press. MPa(G)			
Body	10	Des.Shut-Off DP(MPa)	Allowable dBA	1.2		≤85dB
	11	Model				
	12	Type				
	13	Body Size	Bonnet Type	DN50		STANDARD
	14	Body Mat'l	Bonnet Mat'l		WCB	
	15	In		, DN50	ANSI CL300, RF	
	16	Conn. Type	Out	, DN50	ANSI CL300, RF	
	17	Packing Mat'l	Packing Type			
	18	Lubricator	Packed Valve			
	19	Flange Face Finish	Flow Direction			
Trim	20	Trim Size	Pressure Rating	, DN50 ANSI CL300, RF		CL300
	21	Available Temp.				
	22	Trim Type	Trim Mat'l	O		316L SS
	23	Seat Mat'l	Disk Mat'l	316L SS		
	24	Stem Mat'l	Seal Type	MFR. Std. N#		
	25	Cv	Rated Cv			CLASS
	26	Type	Model			
	27	Action	Size/Capacity			
Actuator		Failure Position				

Actuator

				PROJ NO.	G181S	REV.	0
				DOC.NO.	G181S-2021509-K-03		
				SHEET	SHEET 9 OF 11		
General	1	Tag Number	P&ID P&ID No.	XOV-408G	G181S-2021509-Y-02		REV
	2	Service	Number	T-408	1		
	3	Line Number.	Pipe Mat'l	P-1016	20#		
	4	/ Pipe O.D/I.D		DN50			
Service Condition	5	Fluid	State				
	6	Flow Rate		Max.Flow	Nor.Flow	Min.Flow	
		kg/h (Liquid, Steam) nm3/h[Gas()]					
	7	Inlet Pressure MPa(G)	Outlet Des.Press.MPa(G)	1.2			
	8	Design Temp. ()	Oper.Temp.()				
	9	Des.Pressure MPa(G)	Alt.Oper. Press. MPa(G)				
	10	Des.Shut-Off DP(MPa)	Allowable dBA	1.2	≤85dB		
Body	11	Model					
	12	Type					
	13	Body Size	Bonnet Type	DN50	STANDARD		
	14	Body Mat'l	Bonnet Mat'l	WCB			
	15	Conn. Type	In	, DN50 ANSI CL300, RF			
	Out		, DN50 ANSI CL300, RF				
	16	Packing Mat'l	Packing Type				
	17	Lubricator	Packed Valve				
	18	Flange Face Finish	Flow Direction				
	19	Trim Size	Pressure Rating	, DN50 ANSI CL300, RF	CL300		
Trim	20	Available Temp.					
	21	Trim Type	Trim Mat'l	O	316L SS		
	22	Seat Mat'l	Disk Mat'l	316L SS			
	23	Stem Mat'l	Seal Type	MFR.STD.			
Actuator	24	Cv Rated Cv	Leakage Class	CLASS			
	25	Type	Model				
	26	Action	Size/Capacity				
	27	Failure Position		FC			
	28	Allow. Max.Shut-Off Diff.Press. (MPa)					
	29	Air Supply(kPa)	Pneu.Conn.	400KPa	1/4"NPT(F)-φ8		
	30	Actuator Orientation	Full Stroke Time	<10S			
31	Handwheel Location	Manufacturer					
Accessories	32	End Position Switch Tag No.		Open	Close	XZSO-408G	XZSC-408G
		End Position Switch Model					
		Switch Type	Explosion Proof	Exd IIC T4			
		Contact Rating & Type		MFR.STD			
		Elec.Conn.		1/2"NPT(F)			
	33	Tank Size					
	34	Cycle Times With Air Supply in Tank					
	35	Tank Volume Capacity to Ensure Air Supply(m3)					
	36	Gauges					
		Airset Model					
	37	Filter-Regulator Air Conn.& Conn.Pipe Size					
	38	Air Supply Pipe Mat'l					
	39	Solenoid Valve Tag No.		XSOV--408G			
40	Solenoid Valve Model	Explosion Proof	Exd IIC T4				
41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)			
Miscell	42	Manufacturer					
	43						
NOTES 1 API607 2 : WN50-50 RF S=5.0 SH/T 3406-2013 : D50-50 1222 SH/T 3407-2013 : / II 35CrMo/30CrMo SH/T 3404-2013 e							

Service Condition
Body
Trim
Actuator
Accessories

5	Fluid	State			
6	Flow Rate	Max.Flow	Nor.Flow	Min.Flow	
7	kg/h (Liquid, Steam) nm3/h[Gas()]				
8	Inlet Pressure MPa(G)	Outlet Des.Press.MPa(G)	1.2		
9	Design Temp. ()	Oper.Temp.()			
10	Des.Pressure MPa(G)	Alt.Oper. Press. MPa(G)			
11	Des.Shut-Off DP(MPa)	Allowable dBA	1.2		≤85dB
12	Model				
13	Type				
14	Body Size	Bonnet Type	DN50		STANDARD
15	Body Mat'l	Bonnet Mat'l		WCB	
16	Conn. Type	In	, DN50	ANSI	CL300, RF
17	Packing Mat'l	Out	, DN50	ANSI	CL300, RF
18	Packing Type				
19	Lubricator	Packed Valve			
20	Flange Face Finish	Flow Direction			
21	Trim Size	Pressure Rating	, DN50	ANSI	CL300, RF
22	Available Temp.				CL300
23	Trim Type	Trim Mat'l	O		316L SS
24	Seat Mat'l	Disk Mat'l	316L SS		
25	Stem Mat'l	Seal Type	MFR.STD.		
26	Cv	Rated Cv			CLASS
27	Type	Model	7c	!	2
28	Action	Size/Capacity			
29	Failure Position	27	6		FC
30	Allow. Max.Shut-Off Diff.Press. (MPa)				
31	Air Supply(kPa)	Pneu.Conn.	400KPa		1/4"NPT(F)-φ8
32	Actuator Orientation	Full Stroke Time			<10S
33	Handwheel Location	Manufacturer			
34	End Position Switch Tag No.	Open	Close	XZSO-409G	XZSC-409G
35	End Position Switch Model				
36	Switch Type	Explosion Proof			Exd IICT4
37	Contact Rating & Type			MFR.STD	
38	ec Elec.Conn				



ma	Body	15	Conn. Type		Out			
		16	Packing Mat'l		Packing Type			
		17	Lubricator		Packed Valve			
		18	Flange Face Finish		Flow Direction			
		19	Trim Size		Pressure Rating		,DN50 ANSI C	
		20	Available Temp.					
		21	Trim Type		Trim Mat'l		O	
		22	Seat Mat'l		Disk Mat'l		316L SS	
		23	Stem Mat'l		Seal Type		MFR.STD.	
		24	Cv	Rated Cv	Leakage Class		CLASS	
		25						
ma	Actuator							

