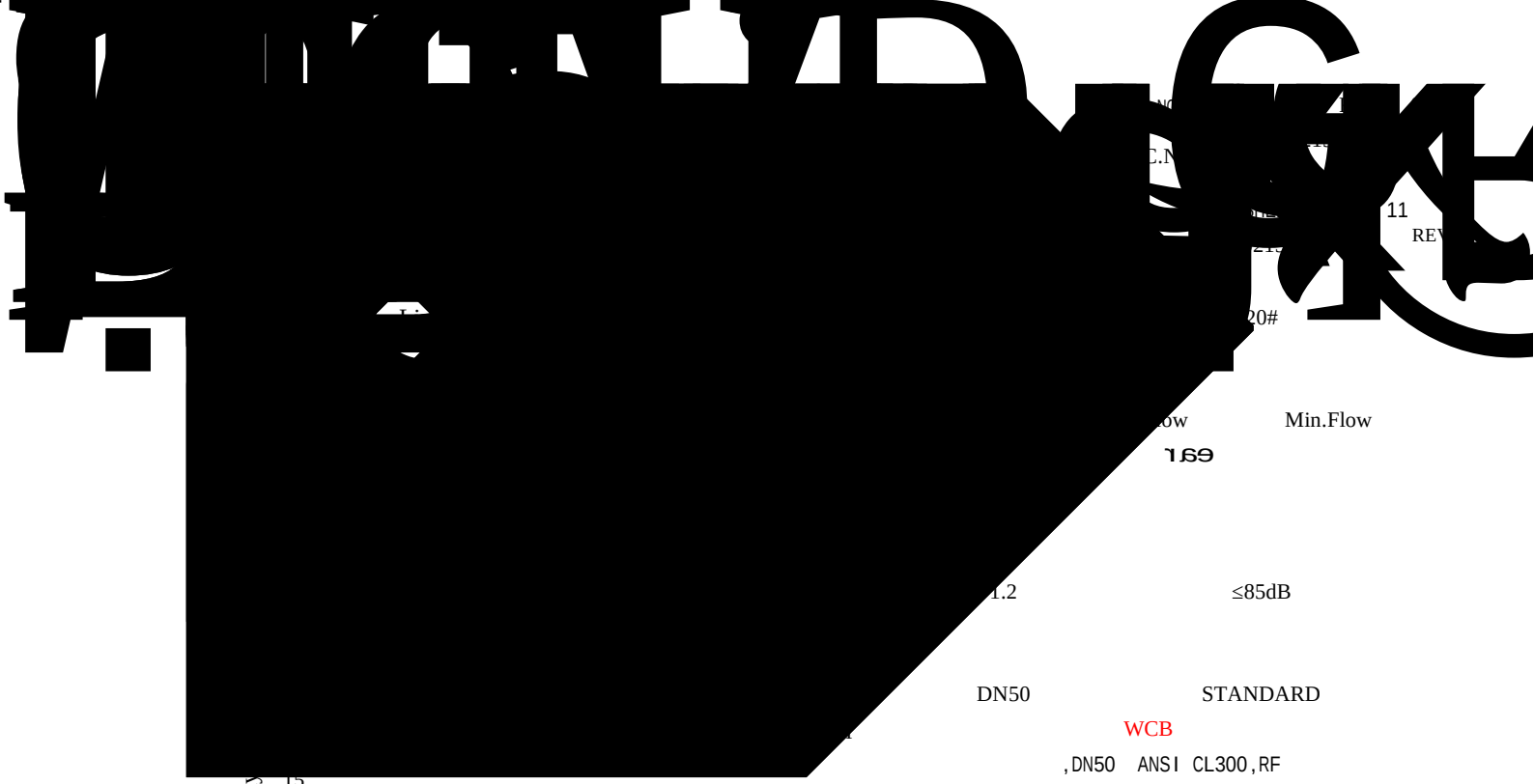
INSTRUMENT DATA SHEET

0					
DWG. NO.	G181S-2021509-K-03	STAGE		1 SHEET	11 OF
福建省石油化学工业设计院 FUJIAN PROVINCIAL PETROCHEMICAL DESIGNING INSTITUTE			PROJECT		

General	1	Tag Number	P&I



11
REV

20#

ow Min.Flow

1.69

1.2 ≤85dB

DN50 STANDARD

WCB

,DN50 ANSI CL300,RF

,DN50 ANSI CL300,RF

	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 CL300,RF	CL300
		20	Available Temp.			
	Trim	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.	
		24	Cv Rated Cv	Leakage Class		CLASS
		25				
ma	Actuator					

[redacted]

XOV-403

G

20#

DN50

Service Condition	5	Fluid		State		
	6	Flow Rate kg/h (Liquid, Steam) nm3/h[Gas( )]			Max.Flow	Nor.Flow Min.Flow
	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		
Trim	19	Trim Size		Pressure Rating	,DN50 ANSI CL300,RF	CL300
	20	Available Temp.				
	21	Trim Type		Trim Mat'l		

P&ID

1

20#

5

Fluid

State

Service Condition

Flow Rate

Max.F

Nor.Flow

Min.Flow

/h (Liquid, Steam) nm3/h[Gas(

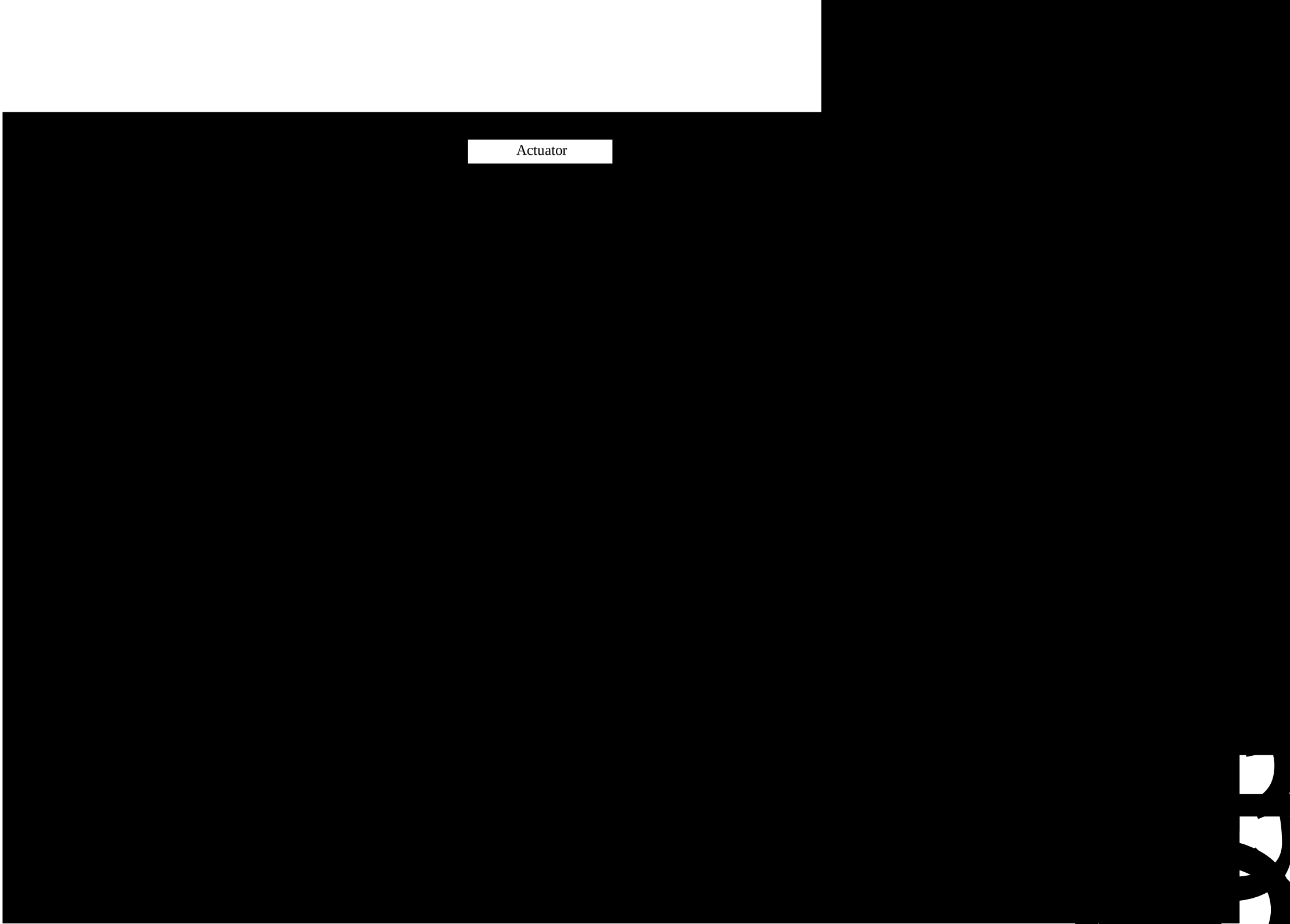
Inlet Pressure MPa(G)

Outlet Des.Press.MPa(G)

1.2

gn

General	1	Tag Number	P&I


Actuator

			PROJ NO.	G181S	REV. 0	
			DOC.NO.	G181S-2021509-K-03		
			SHEET	SHEET 9 OF 11		

						REV
General	1	Tag Number	P&ID P&ID No.	XOV-408G	G181S-2021509-Y-02	
	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	
	20	Available Temp.				
Trim	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.		
	24	Cv Rated Cv	Leakage Class		CLASS	
Actuator	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 IICT4	
		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 IICT4	
	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
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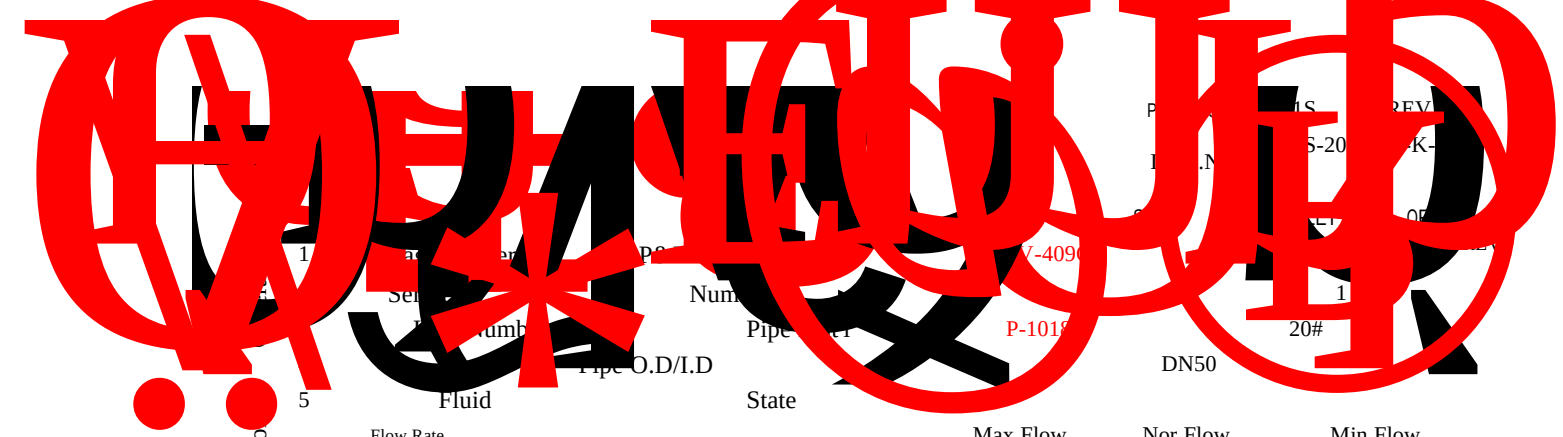


1				V-409		
	Ser	Num			1	
	Numb	Pipe		P-101	20#	
	Pipe O.D/I.D				DN50	
5	Fluid	State				
6	Flow Rate			Max.Flow	Nor.Flow	Min.Flow
	kg/h (Liquid, Steam) nm3/h[Gas( )]					
7	Inlet Pressure MPa(G)	Outlet Des.Press.MPa(G)		1.2		
8	Design Temp. ( )	Oper.Temp.( )				
9	Des.Pressure MPa(G)	Alt.Oper. Press. MPa(G)				
10	Des.Shut-Off DP(MPa)	Allowable dBA		1.2		≤85dB
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
20	Available Temp.					
21	Trim Type	Trim Mat'l		O		316L SS
22	Seat Mat'l	Disk Mat'l		316L SS		
23	Stem Mat'¶	Seal Type		MFR.STD.		
24	Cv Rated Cv	Leakage Class				CLASS
25	Type	Model		7c ¢ ! 2		
26	Action	Size/Capacity				
27	Failure Position 27 6			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				
	End Position Switch Tag No. Open	Close		XZSO-409G		XZSC-409G
	End Position Switch Model					
32	Switch Type	Explosion Proof				Exd IICT4
	Contact Rating & Type				MFR.STD	
	ec I Elec.Conn.'					

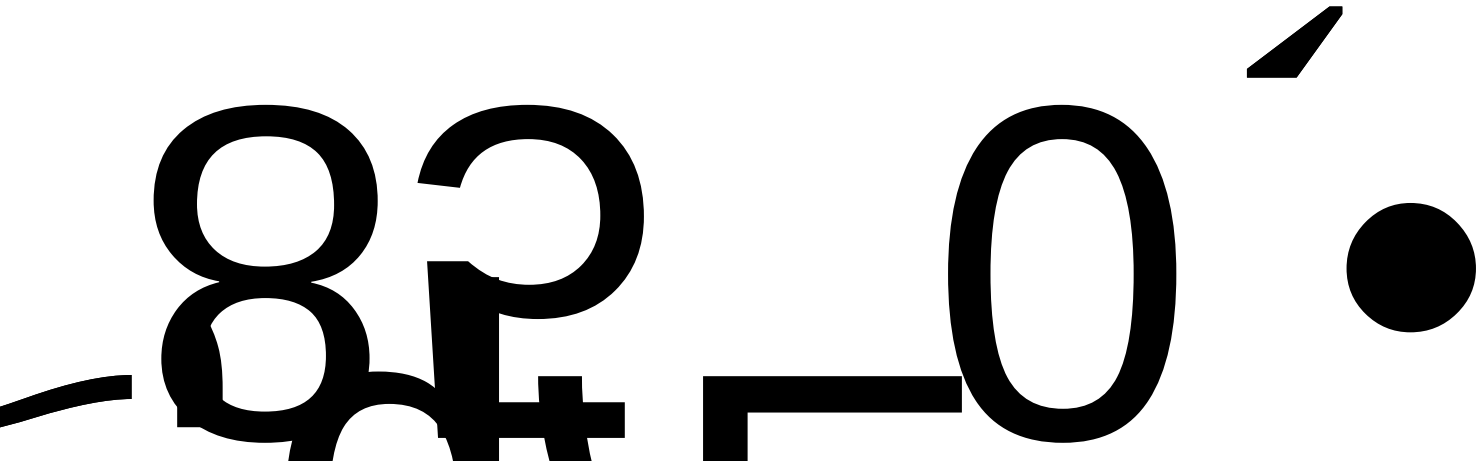
Service Condition

Body

Trim

Actuator

Accessories



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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.		
Trim	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				

Actuator

[redacted]