INSTRUMENT DATA SHEET

福建省石油化学工业设计院

FUJIAN PROVINCIAL PETROCHEMICAL DESIGNING INSTITUTE

发证部门：中华人民共和国住房和城乡建设部(MOHURD)

				G181S	REV. 0	
			DOC.NO.	G181S-2021509-K-03		

							REV
General	1	Tag Number	P&ID P&ID No.	XOV-401G	G181S-2021509-Y-02		
	2	Service	Number		1		
	3	Line Number.	Pipe Mat'l	P-1001	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				
			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		
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-401G	XZSC-401G		
		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--401G			
	40	Solenoid Valve Model	Explosion Proof		Exd IICT4		
	41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)		
Miscell	42	Manufacturer					
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							REV
General	1	Tag Number	P&ID P&ID No.	XOV-402G	G181S-2021509-Y-02		
	2	Service	Number		1		
	3	Line Number.	Pipe Mat'l	P-1004	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				
			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		
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-402G	XZSC-402G		
		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--402G			
	40	Solenoid Valve Model	Explosion Proof		Exd IICT4		
	41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)		
Miscell	42	Manufacturer					
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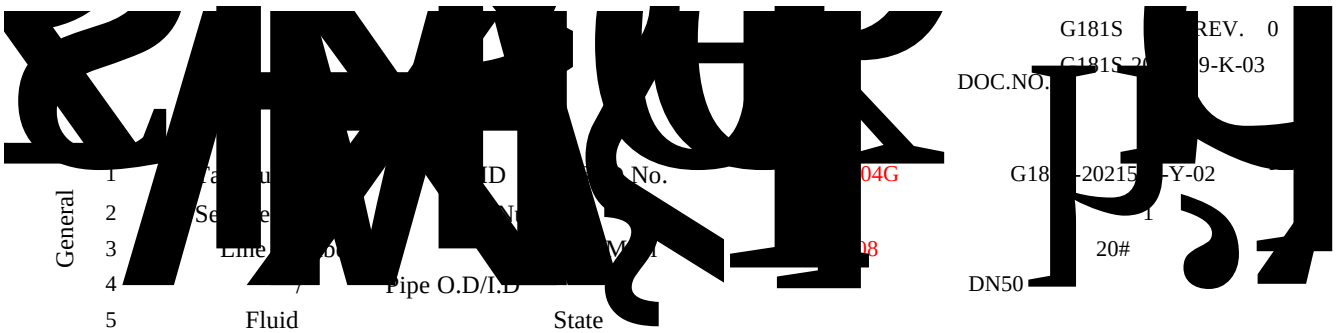
DN50

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 Out			
	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		



General	1	Ta u	ID	No.	04G	G18 -20215 -Y-02	
	2	Se e	N			1	
	3	Line b	M		08	20#	
	4	/	Pipe O.D/I.D			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					

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General	1	Tag Number	P&ID P&ID No.	XOV-405G	G181S-2021509-Y-02		REV
	2	Service	Number			1	
	3	Line Number.	Pipe Mat'l	P-1010	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				
			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		
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-405G	XZSC-405G		
		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--405G			
	40	Solenoid Valve Model	Explosion Proof		Exd IICT4		
	41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)		
Miscell	42	Manufacturer					
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		Line			12		
			Pipe O.D/I.D			DN50	
Service Condition	5	Fluid		State			
	6	Flow Rate			Max.Flow	Nor.Flow	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 Out				
	16	Packing Mat'l		Packing Type /n			
	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	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
Actuator	25	Type					
	26	Action		Size/Capacity			
	27	Failure					

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							REV
General	1	Tag Number	P&ID P&ID No.	XOV-407G	G181S-2021509-Y-02		
	2	Service	Number		1		
	3	Line Number.	Pipe Mat'l	P-1014	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				
			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		
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-407G	XZSC-407G		
		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--407G			
	40	Solenoid Valve Model	Explosion Proof		Exd IICT4		
	41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)		
Miscell	42	Manufacturer					
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							REV
General	1	Tag Number	P&ID P&ID No.	XOV-408G	G181S-2021509-Y-02		
	2	Service	Number		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				
			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		
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					
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							REV
General	1	Tag Number	P&ID P&ID No.	XOV-409G	G181S-2021509-Y-02		
	2	Service	Number		1		
	3	Line Number.	Pipe Mat'l	P-1018	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				
			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		
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-409G	XZSC-409G		
		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--409G			
	40	Solenoid Valve Model	Explosion Proof		Exd IICT4		
	41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)		
Miscell	42	Manufacturer					
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							REV
General	1	Tag Number	P&ID P&ID No.	XOV-410G	G181S-2021509-Y-02		
	2	Service	Number		1		
	3	Line Number.	Pipe Mat'l	P-1020	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				
			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		
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-410G	XZSC-410G		
		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--410G			
	40	Solenoid Valve Model	Explosion Proof		Exd IICT4		
	41	PowerSupply	Elec.conn	24VDC	1/2"NPT(F)		
Miscell	42	Manufacturer					
	43						

NOTES