DWG NO. G181[illegible]056-K

SHEET NO [illegible]

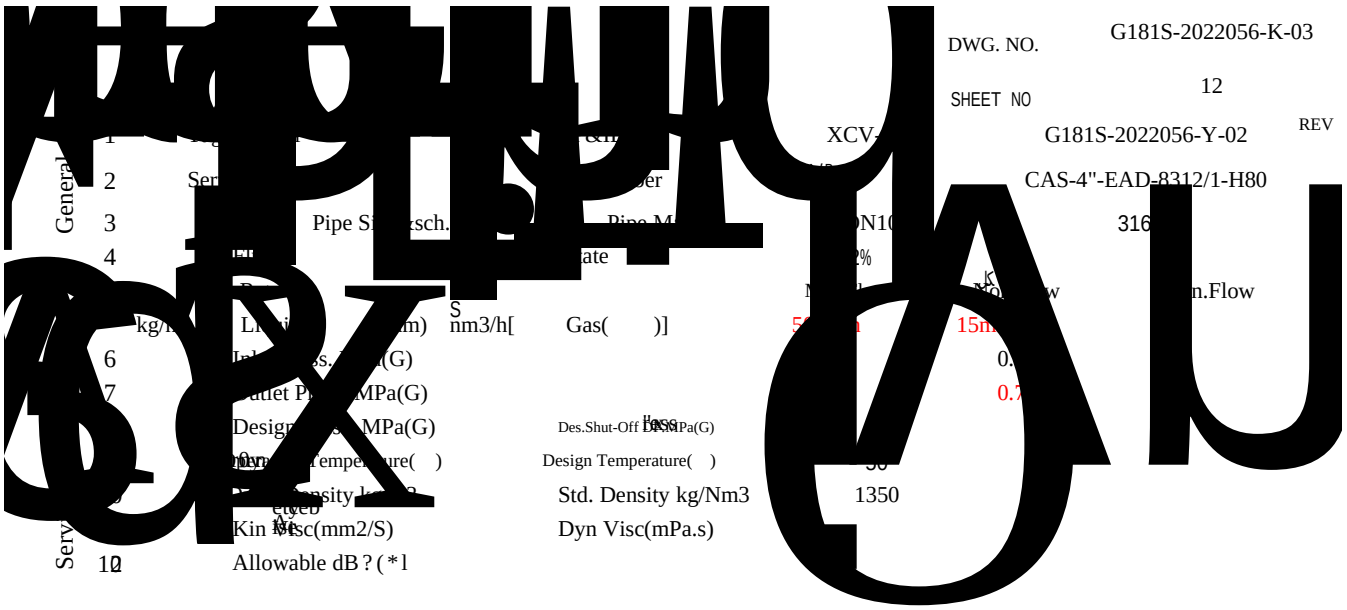
General	1	[illegible]	[illegible] NO.	FV-8309	G181S-2022[illegible]-Y-02		CV
	2	Se[illegible]	Line Number		DW-4"-EAA-8606/1		
	3	[illegible]	Pipe [illegible]&sch.	Pipe Mat'l	DN100	304	
	4	[illegible]	State				
Service Condition	5	Flow Rate kg/h (Liquid, Steam) nm3/h[Gas( )]			Max.Flow	Nor.Flow 31.56m3/h	Min.Flow
	6	Inlet Press. MPa(G)				0.6	
	7	Outlet Press. MPa(G)				0.55	
	8	Design Press. MPa(G)	Des.Shut-Off DP.MPa(G)				
	9	Operating Temperature( )	Design Temperature( )				
	10	Oper. Density kg/m3	Std. Density kg/Nm3	1000			
	11	Kin Visc(mm2/S)	Dyn Visc(mPa.s)				
	12	Allowable dBA				≤85dB	
	13	Specific Heat Ratio Cp/Cv	Comp. Factor				
	14	Vapor Press.	Critical Press.				
	15	% %Solid Mass Cont	% %Mass Vap				
Control Valve	16	Valve Type				GLOBE	
	17	Valve Model	Plug Form				
	18	Leakage Class	Cv Rated Cv	Class			
	19	Cv Required Cv	Max.Flow	Nor.Flow	Min.Flow		
	20	Valve Opening	Max.Flow	Nor.Flow	Min.Flow		
	21	Predicated Sound Level dBA	Max.Flow	Nor.Flow	Min.Flow		
	22	Body Size	Trim Size (mm)	4"			
	23	Pressure Rating	Available Temp.( )	CL150			
	24	End Conn. Type & Standard			4" ANSI CL150,RF		
	25	Bonnet Type	Flow to Open/Close				
	26	Body/Bonnet Mat'l	Stem Mat'l	CF8		316LSS	
	27	Trim Mat'l	Seat Mat'l	316LSS		316LSS	
	28	Packing Mat'l	Trim Type	PTFE			e
Actuator	29	Type	Model				
	30	Action					
	31	Failure Open/Close	Bench Range	FC			
	32	Max. Shut-Off Diff. Press.(MPa)	Travel (mm)				
	33	Air Supply(kPa)	Handwheel Type	400~700 kPa			
Transducer/Positioner	34	Name	Model	/			
	35	Action	Convert Function				
	36	Input Signal	Output Signal	4 20mA+HART			
	38	Explosion Proof	Enclosure Protection	ExdIICT4		IP65	
	37	ow Elec.Conn.	Surge Protection Device	1/2"NPT(F)			
	38	Filter					
Accessories							

DN100

50%

CAS-4"-EAD 7/1-

Service Condition							
		Fluid		State			
	5	Flow Rate kg/h (Liquid, Steam) nm3/h[Gas( )]			Max.Flow	Nor.Flow 37m3/h	Min.Flow
	6	Inlet Press. MPa(G)				0.436	
	7	Outlet Press. MPa(G)				0.37	
	8	Design Press. MPa(G)		Des.Shut-Off DP.MPa(G			



DWG. NO. G181S-2022056-K-03

SHEET NO 12

G181S-2022056-Y-02 REV

CAS-4"-EAD-8312/1-H80

316

XCV-

General	1						
	2	Ser			er		
	3		Pipe Si sch.		Pipe M	N1	
	4				ate	%	
				S			n.Flow
		kg/	Li	m)	nm3/h[	Gas( )]	5	15m
	6				(G)		0.
	7		utlet P	MPa(G)			0.
			Design	MPa(G)		Des.Shut-Off D MPa(G)	
				Temper ure( )		Design Temperature( )	
			ensity			Std. Density kg/Nm3	1350
			Kin Visc(mm2/S)			Dyn Visc(mPa.s)	
	12		Allowable dB ? (* l				

				DWG. NO.	G 022	
				SHEE NO	13	
		P&	P& No	M 3311	G181S-2022050	
	2		h	305A/	1	
	3	L e N ber	Pip lat	H80-T	316SS	
	4	Pip D/I.D			DN100	
	5	Fluid	Phase	State	32%	
	6	Flow Rate		Max.Flow	Nor.Flow	Min.Flow
		kg/h (Liquid, m) m	Gas)		15m3/h	
Service Condition	7	Design Pres MPa(G)	Design Temp.			
	8	Oper.Pressu MPa(G)	Oper. Temp.	0.831		50
	9	Oper. Densi g/m3			1050	
	10	Std. Density Nm3				
	11	Des. Sh Off DP(Mp	Allowable dBA	1		
	12	Kin Visc(mm2/	Dyn V [redacted]			
	13					
	14	Model				
	15	Body Type	Body [redacted]			
	16	Body Mat'l	Tr [redacted]			
Body	17	End Conn. Type & Size	Inlet	4	ANSI CL150,RF	
	18	End Conn.STD.	[redacted]			
	19	Packing Mat'l				
	20	Seat Mat'l	S		MFR STD	
	21					