azbil

Control Valve Data Sheet

Item No. / Qty	1	1
Tag No.	A44	
Service		

Ref. No.		
Purchaser		
End user		
Project		

<Control valve>

Model	AGVM		
Description	Top-Guided Single-Seat Control Valves		
Body/Port size	2 in.	2 in.	
Conn. Size. / Rated CV		50	
Rating / Conn. Type	JIS20K	RF	
Body material	SCPH2		
Trim material	SUS316		
Flow characteristic	EQ%		
Bonnet	PLAIN (-17 to 230 degC)		
Actuator / Handle	PSA2D	SIDE	
Action	AIR TO CLOSE		
Gland packing / Grease	P4519		
Gasket	V543(PTFE)		
Air supply / Spring range	4.0kgf/cm2	0.8-2.4kgf/cm2	
Seat leakage	CLASS IV		
Color: Body/Diaph./Yoke	SILVER	SILVER	SILVER
Paint	Standard		

<Accessories>

Positioner	AVP300-XSD3B-1DYS-X	
Structure	Water-proof, Rc1/4, G1/2	
Input signal	4-20 mADC	
Regulator	KZ03-2A-XX	1
Regulator2		
Limit switch		
Action		
Solenoid valve		
Action / Power		
Booster		
Air lock valve		

<Process data>

Fluid name/Phase	FEED WATER			LIQUID
	MAX	NOR	MIN	Unit
Flow rate	37.5	30		m3/h
Inlet pressure	18	18		kgf/cm2G
Outlet pressure	17	17		kgf/cm2G
Differential press.	1	1		kgf/cm2
Shut-off press.		18		kgf/cm2
Temperature	60	60		degC
Density/Gravity(Liq)	1	1		water=1
Density/Gravity(G,V)				MW
Viscosity				mPa-s
Flash				%
Calculated CV	43.78	35.02		
Travel	88	79		%
Inlet velocity	5.308	4.246		m/s
Predictive SPL	59	58		dBA

<Remarks>

SV0703-105 Indicating unit : "kgf/cm2"

SV0602-009 Air piping: Stainless steel (304ss) tube. Joint: Double-bite Joint.(316ss)

SV0202-075 Range ability: 75:1

SV0201-003 Seat leakage: Less than 0.01%CV (Equivalent IEC, JIS Class IV)

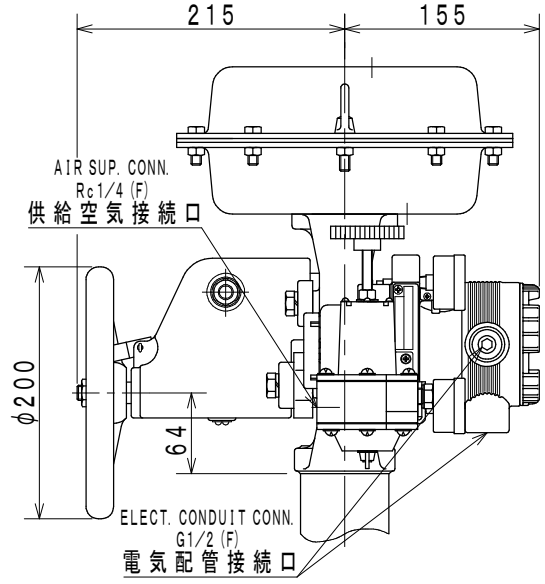
<Piping spec.>

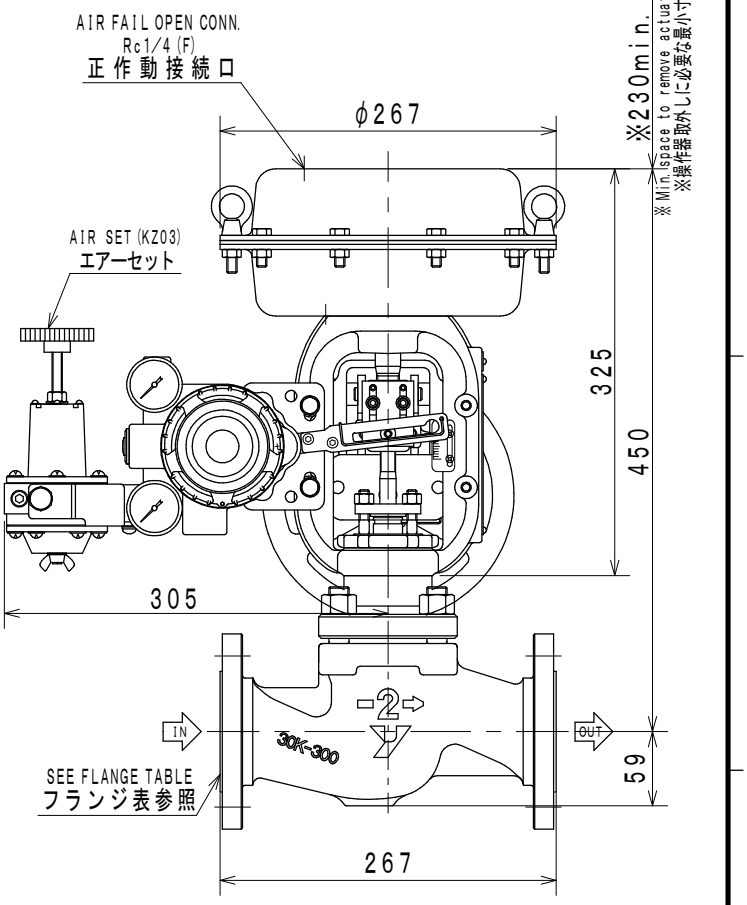
Strength Calc. Sheet		

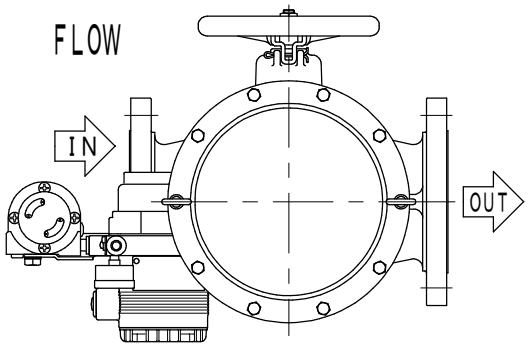
Design			kgf/cm2G
Temp.			degC
Size	2 in.	2 in.	
Sch No.	40	40	
Thickness	3.9	3.9	

Yamatake Corporation

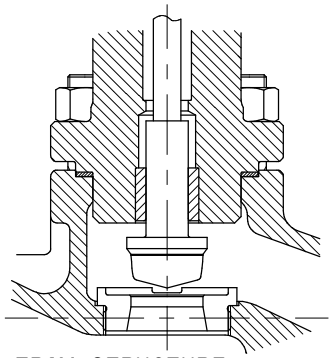
＊The drawing shall be handled as reference.
＊この図面は参考情報として取扱いをお願いします。







ORIENTATION
配管取付姿勢 No.1



TRIM STRUCTURE (EXAMPLE)
トリム構成図 (参考)

PROD. No. :
工事番号 :

TAG No. : A44

UNIT : mm

NOMINAL SIZE(INCH) 口径 (B)	RATING 圧力定格 (フランジ規格年度)	END CONNECTION 接続形式	BONNET TYPE 上蓋形式	ACTUATOR 操作器	VALVE ACTION 弁作動	TRAVEL トラベル	WEIGHT 概算質量(kg)
2	JIS20K (1984)	RF	PLAIN TYPE 常温形	PSA2D SHM	AIR TO CLOSE	20	47

Top-Guide Single-Seated Control Valve トップガイド形単座調節弁	MODEL No. AGVM
Yamatake Corporation	DRAWING No. AGVM-B20R1E-BDDS4A0 REV. 0