



**CONTROL VALVE SPECIFICATION**

Customer: Toshiba Energy Systems & Solutions Corporation  
 Reference: Sumitomo Corporation  
 Tanjung Jati B Expansion  
 Coal Fired Steam Power Plant 2x1000MW

Item	5		Rev.		Style/Model	Piston / 585C			
Quantity	4				Size	130			
Application	TBFP A/B MINIMUM FLOW CONTROL VALVE		<4>	Actuator	Spring/Adjustor	None			
Tag No.	50LAB05/06AA205, 60LAB05/06AA205				Air to Actuator	5.0 - 7.0 bar			
Serial No	J231046 / 47, J231081 / 82				Air Fail to	Valve Open			
Size & Type	DN150 585C - CAV4				Handwheel	Side Mount			
					Adjustable Stop	None			
Body	Valve style	Angle		Positioner	M'tg. Positon	Vertical, Up			
	No. of Port	Single			Style/Model	I/P / DVC6200HC (IP66) <2>			
	Rating	ASME CL 2748 SPL			<1>	Input Signal	4 - 20 mA		
	End Conn	Style	BWE		Increase Signal	Valve Close			
		Finish/Weld Prep	30C/6A		Bypass/Gauge	None / Supply & Output			
	Material	WC9 (Bonnet: F22 CL3)		<1>	Air Set	Model	67CFR		
	Push Down To	Valve Close			Set Press.	7.0 bar			
	Flow Direc.	Flow Down			Mouting Position	Side HW : (NOTE 6)	<3>		
	Flow Tend To	Valve Open				Positioner : (NOTE 6)	<3>		
	Port Size	4-3/8							
Balance	Balanced			Solenoid Valve	Style	None			
Trim	Flow Charact.	Linear		( )	Model				
	Form	Cavitrol IV 4stg			De-Energize				
	Guiding	Cage			Elec.Supply				
	Seat Style	Metal			Tag No.				
	Shut-off Class	ANSI/FCI 70-2 Class V (Water)			Limit	Style	None		
	Material	Trim No.	--		( )	Switch	Model		
		Cage/Bush.	17-4PH SST			Position			
		Plug/Disk	440C SST			Tag. No.			
		Seat Ring	17-4PH SST			Lock-UpValve	Model	IL220-N02B	
		Stem/Shaft	17-4PH SST			( Q'ty 1 )	Set Press.	5.0 bar	
Bonnet	Style	Standard		Trip	Model	377U			
	Boss Size	5H		Valve	Set Press.	2.8 bar			
	Stem Size	1-1/4		Volume Tank	KRR-30GCCS (113.6 L) <2>				
	Packing	Material	HW Graphite		<b>NOTE</b> 1. SST Name Plate 2. DVC6200 with integral 4-20mA Position Transmitter 3. Increased Rating, 70deg Tapered Seat: No. TSJ-K-186066 <1> 4. Booster Relay 2625 x 4pcs <2> w/ AW40-N06H-2-B-X2286 w/ Gauge (Set 7.0 bar) <2> 5. Check Valve AK6000-06 x 1pc 6. Mounting Position <3> 50/60LAB05AA205 Side HW: 3, Positioner: 3 50/60LAB06AA205 Side HW: 1, Positioner: 1				
		Arrangement	Double						
	Lubricator	None							
	Lub. Tapping	None							
	Bolting	Bonnet	B7/2H						
	Packing	SST/SST							
Valve Travel	102 mm		<4>						
Travel Stopper	None								
Design	Temp: 200 deg C	Press: 460 bar							
<b>SERVICE CONDITION</b>									
Application:	Throttling								
Fluid/State	Water / Liquid								
	Unit								
Shut-off ΔP	bar	460							
Rated Coeff.	Cv	55.6							
Recovery Coeff.		FL 0.99							
Line Size/Sch.	In: DN250, 48t / Out: DN250, 48t								
Approved	T.Matsuo								
Checked	Supply Pressure	6.0 - 8.0 bar							
	Bench Set								
	StrokingSpeed (Approx.)	Open to Close	within 5 sec						
M.Kitada		Close to Open	within 5 sec						
	Elec.Classification	Indoor							
Prepared	Inst.Conn.	Pneu.	1/4, 3/4 NPT	Elec.	1/2 NPT	<6>	<1> 2018/7/3 Rev.3		
	Pneu.	Tubing	PVC coverd copper tubing				<5>	Ord 2018/5/28 171274-03	
		Tubing	Fitting	37 deg Flare & Sleeve				<4> 2019/1/24 Rev.10 Quot 2018/2/13 SE8443	
	Painting	Body	FISHER Sliver				<3> 2018/11/14 Rev.7	Date No	
	Color	Actuator	FISHER Green				<2> 2018/10/3 Rev.5	Records	

Form:PC-S-2A

Nippon Fisher Co., Ltd.

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