

Item No. / Qty	1	1
Tag No.	24-FV-006	
Service		
<Control valve>		
Model	HCB	
Description	Pressure Balanced Cage Type Control Valves	
Body/Port size (in.)	1-1/2	1-1/2
Conn. Size. / Rated CV		36
Rating / Conn. Type	ANSI300	RF
Body material	SCS13A	
Trim material	SCS14A STELLITE	
Flow characteristic	EQ%	
Bonnet	EXT-1 (-45 to -17 degC)	
Actuator / Handle	HA2D	---
Action	AIR TO CLOSE	
Gland packing / Grease	V-PTFE	---
Gasket	V543,V8590	
Air supply / Spring range	1.6kgf/cm2	0.2-1.0kgf/cm2
Seat leakage	CLASS III	
Color: Body/Diaph./Yoke	Non Painting	7.5R3/12 7.5R3/12
Paint	Standard	
<Accessories>		
Positioner	HTP-1D	
Structure		
Input signal	0.2-1.0 kgf/cm2	
Regulator	KZ03-2B-XX	1
Regulator2		
Limit switch		
Action		
Solenoid valve		
Action / Power		
Unit name		
Booster		
Air lock valve		

Ref. No.	0227 / YC-1107
Purchaser	YEU
End user	NNPC
Project	

<Remarks>

SV0703-105 Indicating unit : "kgf/cm2"

SV0601-001 Air piping Connection: 1/4 NPT

SV0602-002 Air piping: Vinyl covered copper tube.
Joint:Cr plated with vinyl cap

SV0101-004 Flange facing finish : Serration ANSI B16.5 (Spiral)

SV0201-002 Seat leakage: Less than 0.1%CV
(Equivalent IEC, JIS Class III)

SV0801-E01 Material certificate in English. Scope: valve body and bonnet

Exiting Serial No.: 416-8313-0700, TAG. No.: 24-FV-006

VDP 1-1/2" x 1-1/2", ANSI 300#RF

<Process data>

Fluid name/Phase	Solevent			LIQUID
	MAX	NOR	MIN	Unit
Flow rate	46			m3/h
Inlet pressure	22.67			kgf/cm2A
Outlet pressure				kgf/cm2A
Differential press.	14.9			kgf/cm2
Shut-off press.		40		kgf/cm2
Temperature	-21			degC
Density/Gravity(Liq)	0.874			water=1
Density/Gravity(G,V)				Air=1
Viscosity	0.874			cP
Flash				%
Calculated CV	13.01			
Travel	57			%
Inlet velocity	11.58			m/s
Predictive SPL	65			dBA

HPG

Strength Calc. She

<Piping spec.>

Design	kgf/cm2G
Temp.	degC
Size	
Sch No.	
Thickness	

Yamatake Corporation