Specification Sheet

No.: 1 QTY: 1
Tag no. 52-PRCA-101
Service

< Specification >

Model	VZZ	
Description	Special Control Valves	
Valve size	5	inch
Port size		inch
Rated Cv	70	
Connection size	5	inch
Body rating	TES 300K	
End connection	DMF	
Body material	TITANIUM	
Trim material	Special Alloy	
Flow characteristic	EQ%	
Bonnet type	Radiation Mechanism	
Actuator	DAP1000	
Manual operator	SIDE	
Valve action	REVERSE(Air fail close) Side to Bottom	
Gland packing	V7132Y	
Gasket	V544(TITANIUM)	
Grease	400	
Air supply	4.9bar	
Spring range		

< Accesories >

Positioner / Signal	VPP03-1
Exprosion-proof	
Signal	3-15 psi
Regurator	INA-13-127-04
Regulator 2	
Limit Switch	
Action	
Solenoid valve	
Action	
Power supply	
Others	

Product no.:

<Option>

SV0703-102 Indicating unit : "bar"

SV0601-001 Air piping Connection: 1/4 NPT

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

SV0005-001 Copper free for fluid contact s

SV0801-E02 Material certificate in english. Scope: valve body, bonnet, plug, seat ring (cage) and stem

SV0803-002 Liquid penetrant test(PT) by High pressure gas safe control law in Japan

SV0805 Ultrasonic test(UT)

<Finish>

Body:	M10B5/10
Diaph. Case:	M10B5/10
Yoke:	M10B5/10
Paint:	Salt resistant

<Operating condition>

Fluid name: Urea Solution [FLASH]

	MAX	NOR	MIN	UNIT
Flow rate	270			m3/h
Inlet pressure	230			barG
Outlet pressure	20			barG
Diff. pressure				bar
Shut-off press.				bar
Temperature	200			degC
Sp.Gr. (liq.)	970			kg/m3
Sp.Gr.(gas,vapor)	11.53			kg/m3[N]
Viscosity				cP
Flash	96.4			%
Velocity	5.92			m/s
S.P.L.	99			dBA
Calculated Cv	26.52			
Travel				%

<Seat Leakage>

<Note> Tokumi: V93-8894-02 - 02

1.This proposal is for control valve only.
Air failure close system and auxiliary units are not included in this proposal.

<Line spec>

Design press.		barG
Design temp.		degC
Line size in/out	/	inch
Line Sch. / Thick	/	mm

YAMATAKE