

DKT	ID
	327 1-LCV-62-135
	327 1-LCV-62-136
	327 1-FCV-63-1
	327 1-FCV-63-8
	327 1-FCV-63-11
	327 1-FCV-63-72
	327 1-FCV-63-73
	327 1-FCV-68-333
	327 1-FCV-74-1
	328 2-FCV-1-17
	328 2-FCV-1-18
	328 2-FCV-63-25
	328 2-FCV-63-73
	328 2-FCV-70-133
	328 2-FCV-63-156
	328 2-FCV-63-157

SYS

Charging Pump Flow RWST

Charging Pump Flow RWST

RWST to RHR Pump Flow Control Valve HW

RHR Heat Exchanger A to CVCS Charging Pumps

RHR Heat Exchanger 1B-B to SIS Pumps

Containment Sump Flow Isolation Valve

Containment Sump Flow Isolation Valve

RCS Pressurizer REL Flow Control

RHR Suction From Loop 4 HL HW

Steam Flow to AFPT Isolation

Steam Flow to AFPT Isolation

CIPIT Outlet Isolation

Containment Sump Flow Isolation Valve

RC Pump Thermal Barrier Containment Isolation Valve

SI Pump 2A HL Injection Isolation Loop 1&3

SIS Pump 2B-B Outlet to RCS Loop 2&4 HL

SAFETY	VLV Manu	VLV Type	Size	ACT Manu	ACT Model	MTR Manu	MTR Type
O/C		Gate	8				
O/C		Gate	8				
O/C		Gate	12				
O/C		Gate	8				
O/C		Gate	8				
O/C		Gate	18				
O/C		Gate	18				
O/C		Gate	3				
O/C		Gate	14				
O/C		Gate	4				
O/C		Gate	4				
O/C		Gate	4				
O/C		Gate	18				
C		Gate	3				
O/C		Gate	4				
O/C		Gate	4				

MTR Size	ASME Class	Risk	CST C	CST O	DBDP C	DBDP O	DBFL C
	2						
	2						
	2						
	2						
	2						
	2						
	2						
	1						
	1						
	3						
	2						
	2						
	2						
	3						
	2						
	2						

DBFL O	VF Assum C	VF Assum O	SFC Assum	LSB Assum	% Uncert	Req TH Calc C
--------	------------	------------	-----------	-----------	----------	---------------

Req TQ Calc C Req TH Calc O Req TQ Calc O Least AV Test DP C Test PR C Test FL C

Test Temp C Test ATemp C Test MTR V C Test DP O Test PR O Test FL O Test Temp O

Test ATemp O Test MTR V O Test TH C Test TQ C Test TH O Test TQ O VF Meas C

VF Meas O	VF Avail C	VF Avail O	SFC Meas C	SFC Meas O	LSB Meas	% Mar C
-----------	------------	------------	------------	------------	----------	---------

% Mar O	DB Basis	Comment
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DKT

ID

327 1-FCV-67-87

327 1-FCV-67-146

SYS

LWR Containment A Coolers Discharge Isolation Valve Inside Containment

Component Cooling Heat Exchanger 1A1/1A2 Discharge Control Valve

SAFETY	VLV Manu	VLV Type	Size	ACT Manu	ACT Model	MTR Manu	MTR Type
O/C		Butterfly	6				
O/C		Butterfly	24				

MTR Size	ASME Class	Risk	CST C	CST O	DBDP C	DBDP O	DBFL C
	2						
	3						

DBFL O Brg COF Assum % Uncert Req TQ Calc C Req TQ Calc O Least AV Test DP C

Test PR C Test FL C Test Temp C Test ATemp C Test MTR V C Test DP O Test PR O

Test FL O Test Temp O Test ATemp O Test MTR V O Test TQ C Test TQ O

Brg	COF	Meas C	Brg	COF	Meas O	LSB Meas	% Mar C	% Mar O	DB Basis
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Comment

DKT	ID
	327 1-PCV-1-5-A
	328 2-PCV-1-12-B
	328 2-PCV-1-23-A
	328 2-PCV-1-30-B
	328 2-LCV-3-148
	328 2-LCV-3-172

SYS

Steam Generator SG 1 Atmospheric Relief Valve
Steam Generator SG 2 Atmospheric Relief Valve
Steam Generator SG 3 Atmospheric Relief Valve
Steam Generator SG 4 Atmospheric Relief Valve
Steam Generator SG 3 Level Control Valve
Steam Generator SG 3 Level Control Valve

SAFETY

O/C
O/C
O/C
O/C
O/C
O/C

VLV Manu	VLV Type	Size	ACT Manu	ACT Model	ASME Class	Risk	DBDP C
	Globe	8				2	
	Globe	8				2	
	Globe	8				2	
	Globe	8				2	
	Globe	4				3	
	Globe	3				3	

DBDP O	DBFL C	DBFL O	VF Assum C	VF Assum O	% Uncert	Req TH Calc C
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Req TQ Calc C Req TH Calc O Req TQ Calc O Min Air BS Min Air ES Max Air BS

Max Air ES Min SP BS Min SP ES Max SP BS Max SP ES Least AV Test DP C

Test PR C Test FL C Test Temp C Test ATemp C Test DP O Test PR O Test FL O

Test Temp O Test ATemp O Test TH C Test TQ C Test TH O Test TQ O VF Meas C

VF Meas	O	% Mar	C	% Mar	O	DB Basis	Comment
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DKT	ID
	328 2-FCV-30-14
	328 2-FCV-30-15
	328 2-FCV-30-57

SYS

Lower Compartment Purge Isolation Valve

Lower Compartment Purge Isolation Valve

Lower Containment Exhaust Isolation Valve

SAFETY	VLV Manu	VLV Type	Size	ACT Manu	ACT Model	ASME Class	Risk
C		Butterfly	24			2	
C		Butterfly	24			2	
C		Butterfly	24			2	

DBDP C	DBDP O	DBFL C	DBFL O	Brg COF Assum	% Uncert	Req TQ Calc C
--------	--------	--------	--------	---------------	----------	---------------

Req TQ Calc O Min Air BS Min Air ES Max Air BS Max Air ES Min SP BS Min SP ES

Max SP BS Max SP ES Least AV Test DP C Test PR C Test FL C Test Temp C

Test ATemp C Test DP O Test PR O Test FL O Test Temp O Test ATemp O Test TQ C

Test TQ O	Brg COF Meas C	Brg COF Meas O	% Mar C	% Mar O	DB Basis
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Comment

DKT	ID
327	1-FSV-30-134
327	1-FSV-63-26
327	1-FSV-68-394

SYS

Containment Annulus DP Isolation Valve

FCV-63-26 Bonnet Pressure Relief

Reactor Vessel Head Vent Isolation Valve

SAFETY	Fail Pos	VLV Manu	VLV Type	Size	ACT Manu	ACT Model	MTR Manu
C			Globe	0.375			
O			Globe	0.75			
O/C			Globe	1			

MTR Type	MTR Size	ASME Class	Risk	DBDP C	DBDP O	DBFL C	DBFL O
		2					
		2					
		2					

Min Volt	Avail Volt	EQ	Energ	Tim Ser	DB Basis	Comment
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DKT

ID

SYS

SAFETY

VLV Manu

VLV Type

Size

ACT Manu

ACT Model

MTR Manu

MTR Type

MTR Size

ASME Class

Risk

CST C

CST O

DBDP C

DBDP O

DBFL C

DBFL O

VF Assum C

VF Assum O

SFC Assum

LSB Assum

% Uncert

Req TH Calc C

Req TQ Calc C

Req TH Calc O

Req TQ Calc O

Least AV

Test DP C

Test PR C

Test FL C

Test Temp C

Test ATemp C

Test MTR V C

Test DP O

Test P O

Test F O

Test T O

Test AT O

Test MTR V O

Test TH C

Test TQ C

Test TH O

Test TQ O

VF Meas C

VF Meas O

VF Avail C

VF Avail O

SFC Meas C

SFC Meas O

LSB Meas

% Mar C

% Mar O

DB Basis

Brg COF Assum

Brg COF Meas C

Brg COF Meas O

Min Air BS

Min Air ES

Max Air BS

Max Air ES

Min SP BS

Min SP ES

Max SP BS

Max SP ES

Fail Pos

Min Volt

Avail Volt

EQ

Energy

Tim Ser

Comment

Acronymns

Docket - last three digits

Valve Identification Number

System Name and Description

Safety Function (Open, Close, Open/Close - O, C, O/C)

Valve Manufacturer

Valve Type (Gate, Globe, Butterfly, Ball, Plug - GT, GB, BTF, Ball, PG)

Size of valve in inches

Actuator Manufacturer

Actuator Model Number

Motor Manufacturer

Motor Type (AC/DC)

Motor Size (ft-lbs.)

ASME Class

Risk Significance (High, Medium, Low - H, M, L)

Control Switch Trip Close (Torque Switch Trip, Limit Switch Trip - TST, LST

Control Switch Trip Open (Torque Switch Trip, Limit Switch Trip - TST, LST

Design Basis Differential Pressure Close

Design Basis Differential Pressure Open

Design Basis Flow Close

Design Basis Flow Open

Valve Factor Assumed Close

Valve Factor Assumed Open

Stem Factor Coefficient of Friction Assumed

Load Sensitive Behavior Assumed (Percent)

Total Percent Uncertainties applied

Required Thrust Calculated Close

Required Torque Calculated Close

Required Thrust Calculated Open

Required Torque Calculated Open

Least Available output (e.g., Actuator Rating, CST Setting, Springpack, Weak Link)

Test Differential Pressure Close

Test Pressure Close

Test Flow Close

Test Temperature Close

Test Ambient Temperature Close

Test Motor Voltage Close

Test Differential Pressure Open

Test Pressure Open

Test Flow Open

Test Temperature Open

Test Ambient Temperature Open

Test Motor Voltage Open

Measured Test Thrust Close

Measured Test Torque Close

Measured Test Thrust Open

Measured Test Torque Open

Measured Valve Factor Close

Measured Valve Factor Open

Valve Factor Available Close

Valve Factor Available Open

Measured Stem Factor Coefficient of Friction Close

Measured Stem Factor Coefficient of Friction Open

Measured Load Sensitive Behavior (Percent)

Measured Percent Margin Close

Measured Percent Marging Open

Design Basis Capability (1-Dynamic test, 2-Extrapolation of dynamic test, 3-Justification from normal operation at or above design basis conditions, 4-Industry dynamic test methodology (such as EPRI MOV PPM), 5-Grouped with similar valves tested at plant, 6-Grouped with similar valves tested at other plants, 7-Valve qualification (ASME QME-1-2007, 8-Other (such as large calculated margin)

Bearing Coefficient of Friction Assumed

Bearing Coefficient of Friction Measured Close

Bearing Coefficient of Friction Measured Open

Minimum Allowable Air Pressure Beginning Stroke

Minimum Allowable Air Pressure End Stroke

Maximum Allowable Air Pressure Beginning Stroke

Maximum Allowable Air Pressure End Stroke

Minimum Allowable Spring Preload Beginning Stroke

Minimum Allowable Spring Preload End Stroke

Maximum Allowable Spring Preload Beginning Stroke

Maximum Allowable Spring Preload End Stroke

Fail Position (Open, Close, Fail As-Is - O, C, FAI)

Minimum Required Voltage at the device to operate

Available Voltage at the device

Environmental Qualification (Yes, No - Y, N)

Normally Energized (Yes, No - Y, N)

Time in Service (# years)

Enter any comments