



MODE A REACTOR INJECTION MODE NOTE 6

LOCATION	1	2	3	4	5	6	7
FLOW (l/min)	189	189	189	189	189	0	0
PRESS (Kg/cm ² g)	STH	-01	88.0	81.3	80.8	STH	ATP
TEMP (°C)	30	30	30	30	30	AMT	AMT
MAX ALLOWABLE PRESS LOSS (m)	0.12 * PEAK PRESS 100 Kg/cm ² g						

MODE B NON-INJECTION TEST MODE NOTE 6

LOCATION	6	2	3	7	1	4	5
FLOW (l/min)	189	189	189	189	0	0	0
PRESS (Kg/cm ² g)	STH	-01	88.0	ATP	STH	RxP	RxP
TEMP (°C)	DWT	DWT	DWT	DWT	30	RxT	RxT
MAX ALLOWABLE PRESS LOSS (m)	0.12 * PEAK PRESS 100 Kg/cm ² g						

MODE C INJECTION TEST MODE NOTE 6

LOCATION	8	2	3	4	5	1	7
FLOW (l/min)	189	189	189	189	189	0	0
PRESS (Kg/cm ² g)	STH	-01	*	*	RxP	STH	ATP
TEMP (°C)	DWT	DWT	DWT	DWT	DWT	30	AMT
MAX ALLOWABLE PRESS LOSS (m)	0.2						

MODE D STANDBY MODE

LOCATION	1	2	3	4	5	6	7
FLOW (l/min)	0	0	0	0	0	0	0
PRESS (Kg/cm ² g)	STH	DWP	DWP	RxP	RxP	ATP	ATP
TEMP (°C)	30	AMT	AMT	RxT	RxT	AMT	AMT
MAX ALLOWABLE PRESS LOSS (m)							

	A	B	C	D	E	F
MAX OPERATING PRESSURE (Kg/cm ² g)	57.9	110	14.0	STH	8.8	ATP
MAX OPERATING TEMPERATURE (°C)	302	68	86	96	88	68

VALVE OPENING/CLOSING CONDITION NOTE 6

	F 001 A&B	F 002 A&B	F 004 A&B	F 005 A&B	F 006 A&B	F 007	F 008	F 010	F 011	F 012	F 014
MODE A	O	O	O	O	O	O	X	X	X	X	X
MODE B	X	O	O	O	X	X	X	P	O	O	X
MODE C	X	O	O	O	O	O	O	X	X	X	O
MODE D	X	O	X	O	X	X	X	X	X	X	X

O: FULL OPEN P: PARTIALLY OPEN X: CLOSE

107E5100
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 A
 1
 CONTROL ISSUE
 CHK BY: [Signature]
 [Signature]

- NOTES:**
- [Symbol] SHOWS THE VALUE WHICH IS NOT NEEDED IN A BASIC PLANNING OF THIS SYSTEM.
 - SOLUTION TEMP IN SLC TANK SHALL BE MAINTAINED AT 30±3°C DURING NORMAL PLANT OPERATION.
 - SLC TANK SHALL BE LOCATED SUCH THAT PUMP SUCTION PIPING IS ALWAYS FILLED WITH THE SOLUTION.
 - SLC PUMP SHALL BE ABLE TO INJECT BORON SOLUTION AT REACTOR PRESSURE OF 80.8 Kg/cm²g.
 - TEST TANK SHALL BE LOCATED SUCH THAT PUMP SUCTION PIPING IS ALWAYS FILLED WITH WATER.
 - DURING OPERATING MODE A,B OR C, ONLY ONE PUMP IS RUN.
- REFERENCE DOCUMENTS:**
- | STANDBY LIQUID CONTROL SYS IBD | MPL ITEM NO. |
|------------------------------------|--------------|
| 1. STANDBY LIQUID CONTROL SYS IBD | C41-1030 |
| 2. STANDBY LIQUID CONTROL SYS P&ID | C41-1010 |

- ABBREVIATION:**
- STH : STATIC WATER HEAD
 - ATP : ATMOSPHERIC PRESSURE
 - AMT : AMBIENT TEMPERATURE
 - DWT : SUPPLIED DEMIN WATER TEMPERATURE
 - DWP : SUPPLIED DEMIN WATER PRESSURE
 - RxP : REACTOR PRESSURE
 - RxT : REACTOR TEMPERATURE

FIG. 9.3-1a

SI
 APERTURE
 CARD

MPL NO. C41-1020

ISSUING ORGANIZATION	CLASSIFICATION	DATE	REV
SI	SECRET	FEB 6, 1961	1
SI	SECRET	FEB 6, 1961	1
SI	SECRET	FEB 6, 1961	1

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AP-0025441

PDR RIDS

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