

SUPERIOR MODEL VT-11 TUBE TESTER ROLL CHART

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
RK-61	1.4	2		3	10	2-4
SD917A	6.3	3		1	3	3-6
SN947D	6.3	3	4	1	3	3-6
SN955B	6.3	3	4	2	3	3-6
SN973C	6.3	3	4,8	1	3	3-6
SN977C	6.3	3	3	4	10	3-6
SN979D	6.3	3		1	3	3-6
SN980D	6.3	3		1	3	3-6
SN982	6.3	3	4,8	7	3	3-6
XXD	12	1		4	3	1-8
XXD	12	1		5	3	1-8
XXFM	6.3	1		3	3	1-8
XXFM	6.3	1		5	10	1-8
XXFM	6.3	1		6	10	1-8
XXL	6.3	1		6	3	1-8
1A3	1.4	1		6	10	1-7
1A5	1.4	2		5	3	2-7
1A7	1.4	2		5	6	2-7
1AB5	1.4	1	8	3	3	1-7
1AC5	1.4	4		2	10	4-5
1AD4	1.4	5		4	6	3-5
1AD5	1.4	4		2	10	4-5
1AE5	1.4	3		4	10	3-5
1AF4	1.4	7	5	6	6	1-7
1AF5	1.4	1		3	10	1-7
1AF5	1.4	1		6	6	1-7
1AH4	1.4	3		4	10	3-5
1AJ5	1.4	4	See Note B	3	10	4-6
1AJ5	1.4	4	See Note B	3	10	4-6
1B3	1.4	2	1,3,5,8	TC	10	2-7
1B7	1.4	2		5	6	2-7
1B8	1.4	2		5	3	2-7
1B8	1.4	2		8	10	2-7
1B8	1.4	2		TC	3	2-7

Sheet1

1C5	1.4	2		3	3	2-7
1C6	2	1		4	6	1-4
1C7	2	2		5	6	2-7
1C8	1.4	4	1	2	6	4-5
1C21	117	2		5	10	--

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
1D5	2	2		TC	6	2-7
1D7	2	2		5	6	2-7
1D8	1.4	2		4	3	2-7
1D8	1.4	2		8	10	2-7
1 D8	1.4	2		TC	3	2-7
1E4	1.4	2		5	6	2-7
1E5	2	2		TC	3	2-7
1E7	2	2		4	3	2-7
1E7	2	2		5	3	2-7
1E8	1.4	4		2	10	4-5
1F5	2	2		5	3	2-7
1F6	2	1		TC	3	1-6
1F7	2	2		4	10	2-7
1F7	2	2		5	10	2-7
1F7	2	2		TC	6	2-7
1G4	1.4	2		5	3	2-7
1G5	2	2		5	3	2-7
1G6	1.4	2		4	3	2-7
1G6	1.4	2		5	3	2-7
1H4	2	2		5	6	2-7
1H5	1.4	2		5	10	2-7
1H5	1.4	2		TC	6	2-7
1H6	2	2		4	10	2-7
1H6	2	2		5	10	2-7
1H6	2	2		6	3	2-7
1J5	2	2		5	3	2-7
1J6	2	2		4	3	2-7
1J6	2	2		5	3	2-7
1L4	1.4	7	5	6	6	1-7
1L6	1.4	1		4	6	1-7
1LA4	1.4	1		6	6	1-8

Sheet1

1LA6	1.4	1		4	6	1-8
1LB4	1.4	1		6	6	1-8
1LB6	1.4	1		6	6	1-8
1LC5	1.4	1	5	6	6	1-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
1LC6	1.4	1		4	6	1-8
1LD5	1.4	1		4	10	1-8
1LD5	1.4	1		6	6	1-8
1LE3	1.4	1	5	6	6	1-8
1LE4	1.4	1	7	6	6	1-8
1LF4	1.4	1	7	6	6	1-8
1LG5	1.4	1	5	6	6	1-8
1LH4	1.4	1		4	10	1-8
1LH4	1.4	1		6	6	1-8
1LN5	1.4	1	5	6	6	1-8
1N5	1.4	2		TC	6	2-7
1N6	1.4	2		5	6	2-7
1N6	1.4	2		6	10	2-7
1P5	1.4	2		TC	6	2-7
1Q5	1.4	2		5	3	2-7
1Q6	1.4	4		3	10	4-5
1Q6	1.4	4	see note a	6	10	4-5
1R4	1.4	1		4	10	1-8
1R5	1.4	7	5	4	6	1-7
1S4	1.4	1	5.6	3	6	1-7
1S5	1.4	1		3	10	1-7
1S5	1.4	1		6	6	1-7
1S6	1.4	4		3	10	4-5
1S6	1.4	4	see note a	6	10	4-5
1SA6	1.4	2		4	6	2-7
1SB6	1.4	2		5	10	2-7
1SB6	1.5	2		8	3	2-7
1T4	1.4	7	5	6	6	1-7
1T5	1.4	2		5	6	2-7
1T6	1.4	4		3	10	4-5
1T6	1.4	4	see note a	6	10	4-5

Sheet1

1U4	1.4	7	5	6	6	1-7
1U5	1.4	1		4	10	1-7
1U5	1.4	1		6	6	1-7
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
1U6	1.4	1		4	6	1-7
1V	6.3	1		2	3	1-4
1V2	0.75	4	1,2,3,6,7,8	9	10	4-5
1V5	1.4	4		2	10	4-5
1V6	1.4	4		3	10	4-7
1V6	1.4	4		5	10	4-7
1W4	1.4	1		6	6	1-7
1W5	1.4	4		2	10	4-5
1X2	1.4	1	4,5,6,8,9	TC	10	1-2
1Z2	1.1	1	2,3,4,5,6	TC	10	1-7
2A3	2.5	1		3	3	1-4
2A3H	2.5	1		3	3	1-4
2A4G	2.5	2		3	2	2-7
2A4G	2.5	2		5	2	2-7
2B6	2.5	1		2	3	1-7
2B6	2.5	1		3	3	1-7
2B7	2.5	1		4	10	1-7
2B7	2.5	1		5	10	1-7
2B7	2.5	1		TC	3	1-7
2B25	1.4	1		4	10	1-7
2C4	2.5	1		3	3	1-7
2C21	6.3	1		4	3	1-7
2C21	6.3	1		TC	3	1-7
2C22	6.3	2		TC	3	2-7
2C22	6.3	2		TC	3	2-7
2C26	6.3	2		TC	3	2-7
2C26	6.3	2		TC	3	2-7
2C51	6.3	1	5	3	3	1-9
2C51	6.3	1	5	7	3	1-9
2D21	6.3	3	5,7	1	3	3-4
2E5	2.5	1		3	3	1-6
2E22	6.3	1		3	3	1-5
2E26	6.3	2	1,4	5	3	2-7

Sheet1

2E30	6.3	3	7	1	3	3-4
2E31	1.4	3		4	6	3-5
2E32	1.4	3		4	6	3-5
2E35	1.4	3		4	6	3-5
2E36	1.4	3		4	6	3-5
2E41	1.4	4		3	10	4-6
2E41	1.4	4		5	10	4-6
2E42	1.4	4		3	10	4-6
2E42	1.4	4		5	10	4-6
2G5	2.5	1		3	3	1-6
2G21	1.4	4		3	10	4-7
2G22	1.4	4		3	20	4-7

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
2V2	2.5	2	4,5,6,8	TC	10	2-7
2X2	2.5	1		TC	10	1-4
2X3	2.5	1		4	2	1-4
3A2	3	1	3,4,5,6,7,8,9	TC	10	1-2
3A3	3	2	1,3,5,8	TC	10	2-7
3A4	3	2	2,3	4	3	1-7
3A5	3	2	4	3	6	1-7
3A5	3	2	4	5	6	1-7
3A8	3	2	1	5	6	2-7
3A8	3	2	1	8	10	2-7
3A8	3	2	1	TC	6	2-7
3AL5	3	3		2	6	3-4
3AL5	3	3		7	6	3-4
3AU6	3	3		1	3	3-4
3B5	3	2	8	5	5	1-8
3B7	3	1	4	3	6	1-8
3B7	3	1	4	6	6	1-8
3BC5	3	3	2	1	3	3-4
3BE6	3	3		1	3	3-4
3BN6	3	3	See Note B	5	10	3-4
3C5	3	2	8	3	4	2-7
3C6	3	1	7	4	3	1-8
3C6	3	1	7	5	3	1-8
3CB6	3	3		1	3	3-4

Sheet1

3D6	3	1	7	6	4	1-8
3E5	3	1	5	6	6	1-7
3E6	3	1	5	6	6	1-8
3LE4	3	1	7	4	4	1-8
3LF4	3	1	7	6	4	1-8
3Q4	3	1	2,5	3	6	1-7
3Q5	3	2	8	5	5	2-7
3S4	3	1	2,5	3	6	1-7
3V4	3	1	5	6	4	1-7
4A6	3.3	2	8	4	4	2-7
4A6	3.3	2	8	5	4	2-7
5AU4	5	2		4	2	2-8
5AU4	5	2		6	2	2-8
5AW4	5	2		4	2	2-8
5AW4	5	2		6	2	2-8
5AX4	5	2		4	3	2-8
5AX4	5	2		6	3	2-8
5AZ4	5	2		4	3	2-8
5AZ4	5	2		6	3	2-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
5R4	5	2		4	2	2-8
5R4	5	2		6	2	2-8
5T4	5	2		4	3	2-8
5T4	5	2		6	3	2-8
5T8	5	4		1	10	4-5
5T8	5	4		2	10	4-5
5T8	5	4		6	10	4-5
5T8	5	4		8	3	4-5
5U4	5	2		4	2	2-8
5U4	5	2		6	2	2-8
5V4	5	2		4	2	2-8
5V4	5	2		6	2	2-8
5W4	5	2		4	3	2-8
5W4	5	2		6	3	2-8
5X3	5	1		2	3	1-4
5X3	5	1		3	3	1-4

Sheet1

5X4	5	8		3	2	7-8
5X4	5	8		5	2	7-8
5Y3	5	2		4	3	2-8
5Y3	5	2		6	3	2-8
5Y4	5	8		3	3	7-8
5Y4	5	8		5	3	7-8
5Z3	5	1		2	2	1-4
5Z3	5	1		3	2	1-4
5Z4	5	2		4	3	2-8
5Z4	5	2		6	3	2-8
6A3	6.3	1		3	3	1-4
6A4	6.3	1		3	3	1-5
6A5	6.3	2	8	n/a	3	2-7
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6A7	6.3	1		5	3	1-7
6A8	6.3	2		5	3	2-7
6AB4	6.3	3		6	3	3-4
6AB6	6.3	2		5	3	2-7
6AB7	6.3	2		4	3	2-7
6AD5	6.3	2		5	3	2-7
6AD6	6.3	2		P sharow open 5 P shadow closed 6 disregard meter reading		2-7
6AD7	6.3	2		1	3	2-7
6AD7	6.3	2		5	3	2-7
6AE5	6.3	2		5	3	2-7
6AE6	6.3	2		5	3	2-7
6AE7	6.3	2		4	3	2-7
6AE7	6.3	2		6	3	2-7
6AF4	6.3	3	1,2	6	6	3-4
6AF5	6.3	2		5	3	2-7
6AF6	6.3	2		P sharow open 5 P shadow closed 6 disregard meter reading		2-7
6AF7	6.3	2		3	6	2-7
6AF7	6.3	2		6	6	2-7

Sheet1

6AG5	6.3	3	2	1	3	3-4
6AG6	6.3	7		5	3	7-8
6AG7	6.3	2		4	3	2-7
6AH4	6.3	2		1	3	2-7
6AH5	6.3	2		6	3	2-7
6AH6	6.3	3		1	3	3-4
6AH7	6.3	7		1	3	7-8
6AH7	6.3	7		5	3	7-8
6AJ4	6.3	7	3,4,6,9	1	3	7-8
6AJ5	6.3	3	7	1	3	3-4
6AJ7	6.3	2		4	3	2-7
6AK5	6.3	3	7	1	3	3-4
6AK6	6.3	3		1	3	3-4
6AK7	6.3	2	3	4	3	2-7

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6AL5	6.3	3		2	10	3-4
6AL5	6.3	3		7	10	3-4
6AL6	6.3	2		5	3	2-7
6AL7	6.3	2		1	10	2-7
6AM4	6.3	7	3,4,6,9	1	3	7-8
6AM8	6.3	4		2	3	4-5
6AM8	6.3	4		8	3	4-5
6AN4	6.3	3	1,2	6	3	3-4
6AN5	6.3	3	2	1		3-4
6AN6	6.3	1		2	10	1-7
6AN6	6.3	1		3	10	1-7
6AN6	6.3	1		4	10	1-7
6AN6	6.3	1		5	10	1-7
6AN8	6.3	4		2	3	4-5
6AN8	6.3	4		8	3	4-5
6AQ5	6.3	3	7	1	3	3-4
6AQ6	6.3	3		1	3	3-4
6AQ6	6.3	3		5	10	3-4
6AQ6	6.3	3		6	10	3-4
6AQ7	6.3	7		1	10	7-8
6AQ7	6.3	7		3	10	7-8
6AQ7	6.3	7		4	3	7-8

Sheet1

6AR5	6.3	3		1	6	3-4
6AR6	6.3	6		7	3	6-8
6AR8	6.3	4		6	3	4-5
6AS5	6.3	3	2	5	6	3-4
6AS6	6.3	3		1	3	3-4
6AS7	6.3	7		1	3	7-8
6AS7	6.3	7		4	3	7-8
6AS8	6.3	4		2	3	4-5
6AS8	6.3	4		6	3	4-5
6AT6	6.3	3		1	3	3-4
6AT6	6.3	3		5	10	3-4
6AT6	6.3	3		6	10	3-4
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6AU4	6.3	7		5	3	7-8
6AU5	6.3	2		1	3	2-7
6AU6	6.3	3		1	3	3-4
6AV5	6.3	2		1	3	2-7
6AV6	6.3	3		1	6	3-4
6AV6	6.3	3		5	10	3-4
6AV6	6.3	3		6	10	3-4
6AX4	6.3	7		5	3	7-8
6AX5	6.3	2		3	3	2-7
6AX5	6.3	2		5	3	2-7
6AX6	6.3	2		3	3	2-7
6AX6	6.3	2		5	3	2-7
6B4	6.3	2		5	3	2-7
6B6	6.3	2		4	10	2-7
6B6	6.3	2		5	10	2-7
6B6	6.3	2		TC	3	2-7
6B7	6.3	1		4	10	1-7
6B7	6.3	1		5	10	1-7
6B7	6.3	1		TC	3	1-7
6B8	6.3	2		4	10	2-7
6B8	6.3	2		5	10	2-7
6B8	6.3	2		TC	3	2-7
6BA5	6.3	3		1	3	3-6
6BA6	6.3	3		1	3	3-4
6BA7	6.3	4		2	3	4-5

Sheet1

6BC4	6.3	4	3-7-8-9	2	3	4-5
6BC5	6.3	3	2	1	3	3-4
6BC6	6.3	3		1	3	3-4
6BC7	6.3	4		2	10	4-5
6BC7	6.3	4		6	10	4-5
6BC7	6.3	4		8	10	4-5
6BD4	6.3	2		5	3	2-7
6BD5	6.3	2		1	3	2-7
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6BD6	6.3	3		1	3	3-4
6BE6	6.3	3		1	3	3-4
6BF5	6.3	3	7	1	3	3-4
6BF6	6.3	3		1	3	3-4
6BF6	6.3	3		5	10	3-4
6BF6	6.3	3		6	10	3-4
6BF7	6.3	3		2	3	3-6
6BF7	6.3	3		7	3	3-6
6BG6	6.3	2		5	2	2-7
6BG7	6.3	3		2	3	3-6
6BG7	6.3	3		7	3	3-6
6BH6	6.3	3		1	3	3-4
6BJ6	6.3	3		1	6	3-4
6BJ7	6.3	4		2	10	4-5
6BJ7	6.3	4		6	10	4-5
6BJ7	6.3	4		8	10	4-5
6BK5	6.3	4	7	3	5	4-5
6BK6	6.3	3		1	3	3-4
6BK6	6.3	3		5	10	3-4
6BK6	6.3	3		6	10	3-4
6BK7	6.3	4		2	3	4-5
6BK7	6.3	4		7	3	4-5
6BL7	6.3	7		1	3	7-8
6BL7	6.3	7		4	3	7-8
6BN6	6.3	3	See Note B	5	10	3-4
6BN7	6.3	4		2	3	4-5
6BN7	6.3	4		7	3	4-5
6BQ6	6.3	2		5	3	2-7

Sheet1

6BQ7	6.3	4		2	3	4-5
6BQ7	6.3	4		7	3	4-5
6BT6	6.3	3		1	3	3-4
6BT6	6.3	3		5	10	3-4
6BT6	6.3	3		6	10	3-4
6BU5	6.3	7	6	4	3	7-8
6BU6	6.3	3		1	3	3-4
6BU6	6.3	3		5	10	3-4
6BU6	6.3	3		6	10	3-4
6BX7	6.3	7		1	3	7-8
6BX7	6.3	7		4	3	7-8
6BY5	6.3	2		4	3	2-7
6BY5	6.3	2		5	3	2-7
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6BY6	6.3	3		1	3	3-4
6BZ6	6.3	3		1	3	3-4
6BZ7	6.3	4		2	3	4-5
6BZ7	6.3	4		7	3	4-5
6C4	6.3	3	2, 5	6	3	3-4
6C5	6.3	2		5	3	2-7
6C6	6.3	1		TC	3	1-6
6C7	6.3	1		4	10	1-7
6C7	6.3	1		5	10	1-7
6C7	6.3	1		TC	3	1-7
6C8	6.3	2		5	3	2-7
6C8	6.3	2		TC	3	2-7
6CB6	6.3	3		1	3	3-4
6CD6	6.3	2		5	3	2-7
6CF6	6.3	3		1	3	3-4
6CG6	6.3	3		1	3	3-4
6CL6	6.3	4	8,9	2	3	4-5
6CM6	6.3	4	6	3	3	4-5
6CR6	6.3	3		2	10	3-4
6CR6	6.3	3		7	3	3-4
6CS6	6.3	3		1	3	3-4
6CU6	6.3	2		5	2	2-7
6D4	6.3	3		1	3	3-4
6D5	6.3	2		5	3	2-7

Sheet1

6D6	6.3	1		TC	3	1-6
6D7	6.3	1		TC	3	1-7
6D8	6.3	2		3	3	2-7
6DB6	6.3	3		1	3	3-4
6DC6	6.3	3		1	3	3-4
6E5	6.3	1		3	3	1-6
6E7	6.3	1		TC	3	1-7
6E8	6.3	2		5	3	2-7
6F5	6.3	2		TC	3	2-7
6F6	6.3	2		5	3	2-7
6F7	6.3	1		5	3	1-7
6F7	6.3	1		TC	3	1-7
6F8	6.3	2		5	3	2-7
6F8	6.3	2		TC	3	2-7
6G5	6.3	1		3	3	1-6
6G6	6.3	2		5	3	2-7
6G7	6.3	2		TC	3	2-7
6H4	6.3	2		4	10	2-7
6H5	6.3	1		3	3	1-6
6H6	6.3	2		3	3	2-7
6H6	6.3	2		5	3	2-7
6H7	6.3	2		5	6	2-7
6H7	6.3	2		TC	3	2-7
6H8	6.3	2		4	10	2-7
6H8	6.3	2		5	10	2-7
6H8	6.3	2		TC	3	2-7
6J4	6.3	3	5,6	1	3	3-4
6J5	6.3	2		5	3	2-7
6J6	6.3	3		5	3	3-4
6J6	6.3	3		6	3	3-4
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6J7	6.3	2		TC	3	2-7
6J8	6.3	2		5	6	2-7
6J8	6.3	2		TC	3	2-7
6K5	6.3	2		TC	3	2-7
6K6	6.3	2		5	3	2-7
6K7	6.3	2		TC	3	2-7

Sheet1

6K8	6.3	2		5	3	2-7
6L5	6.3	2		5	3	2-7
6L6	6.3	2		5	3	2-7
6L7	6.3	2		TC	3	2-7
6M6	6.3	2		5	3	2-7
6M7	6.3	2		3	3	2-7
6M8	6.3	2		5	3	2-7
6M8	6.3	2		8	10	2-7
6M8	6.3	2		TC	3	2-7
6N4	6.3	3	6,7	1	3	3-4
6N6	6.3	2		5	3	2-7
6N7	6.3	2		4	3	2-7
6N7	6.3	2		5	3	2-7
6P5	6.3	2		5	3	2-7
6P7	6.3	2		7	3	2-7
6P7	6.3	2		TC	3	2-7
6P8	6.3	2		5	6	2-7
6P8	6.3	2		TC	3	2-7
6Q5	6.3	2		5	3	2-7
6Q6	6.3	2		5	10	2-7
6Q6	6.3	2		TC	3	2-7
6Q7	6.3	2		4	10	2-7
6Q7	6.3	2		5	10	2-7
6Q7	6.3	2		TC	3	2-7
6R6	6.3	2		TC	3	2-7
6R7	6.3	2		4	10	2-7
6R7	6.3	2		5	10	2-7
6R7	6.3	2		TC	3	2-7
6R8	6.3	4		1	6	4-5
6R8	6.3	4		2	6	4-5
6R8	6.3	4		6	6	4-5
6R8	6.3	4		8	3	4-5
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6S4	6.3	4	1,3,7,8	6	3	4-5
6S5	6.3	2		4	3	2-7
6S6	6.3	2		TC	3	2-7
6S7	6.3	2		TC	3	2-7

Sheet1

6S8	6.3	7		1	10	7-8
6S8	6.3	7		3	10	7-8
6S8	6.3	7		4	10	7-8
6S8	6.3	7		TC	3	7-8
6SA7	6.3	2		5	3	2-7
6SB7Y	6.3	2		5	3	2-7
6SC7	6.3	7		3	3	7-8
6SC7	6.3	7		4	3	7-8
6SD7	6.3	2		4	3	2-7
6SE7	6.3	2		4	3	2-7
6SF5	6.3	7		3	3	7-8
6SF7	6.3	7		2	3	7-8
6SF7	6.3	7		5	10	7-8
6SG7	6.3	2	3	4	3	2-7
6SH7	6.3	2	3	4	3	2-7
6SJ7	6.3	2		4	3	2-7
6SK7	6.3	2		4	3	2-7
6SL7	6.3	7		1	3	7-8
6SL7	6.3	7		4	3	7-8
6SN7	6.3	7		1	3	7-8
6SN7	6.3	7		4	3	7-8
6SQ7	6.3	7		2	3	7-8
6SQ7	6.3	7		4	10	7-8
6SQ7	6.3	7		5	10	7-8
6SR7	6.3	7		2	2	7-8
6SR7	6.3	7		4	10	7-8
6SR7	6.3	7		5	10	7-8
6SS7	6.3	2		4	3	2-7
6ST7	6.3	7		2	3	7-8
6ST7	6.3	7		4	10	7-8
6ST7	6.3	7		5	10	7-8
6SU7	6.3	7		1	3	7-8
6SU7	6.3	7		4	3	7-8
6SV7	6.3	7		2	3	7-8
6SV7	6.3	7		5	10	7-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6SZ7	6.3	7		2	3	7-8

Sheet1

6SZ7	6.3	7		4	10	7-8
6SZ7	6.3	7		5	10	7-8
6T4	6.3	3	6,7	2	3	3-
6T5	6.3	1		3	3	1-6
6T6	6.3	2		TC	3	2-7
6T7	6.3	2		4	10	2-7
6T7	6.3	2		5	10	2-7
6T7	6.3	2		TC	3	2-7
6T8	6.3	4		1	10	4-5
6T8	6.3	4		2	10	4-5
6T8	6.3	4		6	10	4-5
6T8	6.3	4		8	3	4-5
6U4	6.3	7		5	3	7-8
6U5	6.3	1		8	3	1-4
6U6	6.3	2		5	3	2-7
6U7	6.3	2		TC	3	2-7
6U8	6.3	4		2	3	4-5
6U8	6.3	4		9	3	4-5
6V3	6.3	4	7,9	2	3	4-5
6V5	6.3	7		5	3	7-8
6V6	6.3	2		5	3	2-7
6V7	6.3	2		4	10	2-7
6V7	6.3	2		5	10	2-7
6V7	6.3	2		TC	3	2-7
6V8	6.3	4		4	10	4-5
6V8	6.3	4		6	3	4-5
6V8	6.3	4		7	10	4-5
6V8	6.3	4		9	10	4-5
6W4	6.3	7		5	3	7-8
6W5	6.3	2		3	3	2-7
6W5	6.3	2		5	3	2-7
6W6	6.3	2		5	3	2-7
6W7	6.3	2		TC	3	2-7
6X4	6.3	3		1	3	3-4
6X4	6.3	3		6	3	3-4
6X5	6.3	2		3	3	2-7
6X5	6.3	2		5	3	2-7
6X6	6.3	2		4	3	2-7

Sheet1

6X8	6.3	4		2	3	4-5
6X8	6.3	4		7	3	4-5
6Y3	6.3	2		TC	3	2-7

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
6Y6	6.3	2		3	3	2-7
6Y7	6.3	2		4	3	2-7
6Y7	6.3	2		5	3	2-7
6Z6	6.3	2		3	3	2-7
6Z6	6.3	2		5	3	2-7
6Z7	6.3	2		4	3	2-7
6Z7	6.3	2		5	3	2-7
6ZY5	6.3	2		3	3	2-7
6ZY5	6.3	2		5	3	2-7
7A4	6.3	1		6	3	1-8
7A5	6.3	1		6	3	1-8
7A6	6.3	1		3	3	1-8
7A6	6.3	1		6	3	1-8
7A7	6.3	1		6	3	1-8
7A8	6.3	1		4	3	1-8
7AB7	6.3	2	4.6	5	3	2-7
7AD7	6.3	1		6	3	1-8
7AF7	6.3	1		4	3	1-8
7AF7	6.3	1		5	3	1-8
7AG7	6.3	1	5	6	3	1-8
7AH7	6.3	1		6	3	1-8
7AJ7	6.3	1		6	3	1-8
7AK7	6.3	1		6	3	1-8
7B4	6.3	1		6	3	1-8
7B5	6.3	1		6	3	1-8
7B6	6.3	1	4	3	3	1-8
7B6	6.3	1	4	5	10	1-8
7B6	6.3	1	4	6	10	1-8
7B7	6.3	1		6	3	1-8
7B8	6.3	1		4	3	1-8
7C4	6.3	1		4	6	1-8
7C5	6.3	1		6	3	1-8

Sheet1

7C6	6.3	1	4	3	3	1-8
7C6	6.3	1	4	5	10	1-8
7C6	6.3	1	4	6	10	1-8
7C7	6.3	1		6	3	1-8
7D7	6.3	1		4	3	1-8
7D7	6.3	1		6	3	1-8
7E5	6.3	2	3,4,5	1	3	2-8

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
7E6	6.3	1	4	3	3	1-8
7E6	6.3	1	4	5	10	1-8
7E6	6.3	1	4	6	10	1-8
7E7	6.3	1		3	10	1-8
7E7	6.3	1		4	10	1-8
7E7	6.3	1		6	3	1-8
7F7	6.3	1		4	3	1-8
7F7	6.3	1		5	3	1-8
7F8	6.3	2		1	3	2-7
7F8	6.3	2		8	3	2-7
7G7	6.3	1		6	3	1-8
7G8	6.3	1		4	3	1-8
7G8	6.3	1		5	3	1-8
7H7	6.3	1		6	3	1-8
7J7	6.3	1		4	3	1-8
7J7	6.3	1		6	3	1-8
7K7	6.3	1		4	3	1-8
7K7	6.3	1		5	10	1-8
7K7	6.3	1		6	10	1-8
7L7	6.3	1		6	3	1-8
7N7	6.3	1		4	3	1-8
7N7	6.3	1		5	3	1-8
7Q7	6.3	1		4	3	1-8
7R7	6.3	1		3	10	1-8
7R7	6.3	1		4	10	1-8
7R7	6.3	1		6	3	1-8
7S7	6.3	1		4	3	1-8
7S7	6.3	1		6	3	1-8
7T7	6.3	1		6	3	1-8
7V7	6.3	1		6	3	1-8

Sheet1

7W7	6.3	1	7	6	3	1-8
7X6	6.3	1		3	3	1-8
7X6	6.3	1		6	3	1-8
7X7	6.3	1		3	3	1-8
7X7	6.3	1		5	10	1-8
7X7	6.3	1		6	10	1-8
7Y4	6.3	1		3	3	1-8
7Y4	6.3	1		6	3	1-8
7Z4	6.3	1		3	3	1-8
12A4	12	4	3,7	2	3	4-5
12A6	12	2		5	3	2-7
12A7	12	1		5	3	1-7
12A7	12	1		TC	3	1-7
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
12A8	12	2		5	3	2-7
12AH7	12	7		1	3	7-8
12AH7	12	7		5	3	7-8
12AL5	12	3		2	3	3-4
12AL5	12	3		7	3	3-4
12AQ5	12	3	7	1	3	3-4
12AT6	12	3		1	3	3-4
12AT6	12	3		5	10	3-4
12AT6	12	3		6	10	3-4
12AT7	12	4	9	2	3	4-5
12AT7	12	4	9	7	3	4-5
12AU6	12	3		1	3	3-4
12AU7	12	4	9	2	3	4-5
12AU7	12	4	9	7	3	4-5
12AV6	12	3		1	6	3-4
12AV6	12	3		5	10	3-4
12AV6	12	3		6	10	3-4
12AV7	12	4	9	2	3	4-5
12AV7	12	4	9	7	3	4-5
12AW6	12	3		1	6	3-4
12AW7	12	3		1	3	3-4

Sheet1

12AX4	12	7		5	3	7-8
12AX7	12	4	9	2	3	4-5
12AX7	12	4	9	7	3	4-5
12AY7	12	4	9	2	3	4-5
12AY7	12	4	9	7	3	4-5
12AZ7	12	4	9	2	3	4-5
12AZ7	12	4	9	7	3	4-5
12B4	12	4	3,7	2	3	4-5
12B6	12	2		5	10	2-7
12B6	12	2		TC	3	2-7
12B7	12	1		6	3	1-8
12B8	12	2		8	3	2-7
12B8	12	2		TC	3	2-7
12BA6	12	3		1	6	3-4
12BA7	12	4	8	2	3	4-5
12BD6	12	3		1	6	3-4
12BE6	12	3		1	6	3-4
12BF6	12	3		1	6	3-4
12BF6	12	3		5	10	3-4
12BF6	12	3		6	10	3-4
12BH7	12	4	9	2	3	4-5
12BH7	12	4	9	7	3	4-5
12BK6	12	3		1	3	3-4
12BK6	12	3		5	10	3-4
12BK6	12	3		6	10	3-4
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
12BN6	12	3	See Note B	5	10	3-4
12BQ6	12	2		5	3	2-7
12BT6	12	3		1	3	3-4
12BT6	12	3		5	10	3-4
12BT6	12	3		6	10	3-4
12BU6	12	3		1	3	3-4
12BU6	12	3		5	10	3-4
12BU6	12	3		6	10	3-4
12BY7	12	4	6,9	2	3	4-5
12BZ7	12	4	9	2	3	4-5
12BZ7	12	4	9	7	3	4-5

Sheet1

12C8	12	2		4	10	2-7
12C8	12	2		5	10	2-7
12C8	12	2		TC	3	2-7
12CM6	12	4	6	5	3	4-5
12CU6	12	2		5	2	2-7
12E5	12	2		5	3	2-7
12F5	12	2		TC	3	2-7
12G4	12	3	2,5	6	3	3-4
12G7	12	2		4	10	2-7
12G7	12	2		5	10	2-7
12G7	12	2		TC	3	2-7
12H4	12	3	2	6	3	3-4
12H6	12	2		3	3	2-7
12H6	12	2		5	3	2-7
12J5	12	2		5	3	2-7
12J7	12	2		TC	3	2-7
12K7	12	2		TC	3	2-7
12K8	12	2		5	3	2-7
12L6	12	2		5	3	2-7
12L8	12	6		1	3	6-7
12L8	12	6		3	3	6-7
12Q7	12	2		4	10	2-7
12Q7	12	2		5	10	2-7
12Q7	12	2		TC	3	2-7
12S8	12	7		3	10	7-8
12S8	12	7		4	10	7-8
12S8	12	7		5	10	7-8
12S8	12	7		TC	3	7-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
12SA7	12	2		5	3	2-7
12SB7	12	2		5	3	2-7
12SB8	12	7		1	10	7-8
12SB8	12	7		3	10	7-8
12SB8	12	7		4	10	7-8
12SC7	12	7		3	3	7-8
12SC7	12	7		4	3	7-8
12SF5	12	7		3	3	7-8

Sheet1

12SF7	12	7		2	3	7-8
12SF7	12	7		5	10	7-8
12SG7	12	2	3	4	3	2-7
12SH7	12	2	3	4	3	2-7
12SJ7	12	2		4	3	2-7
12SK7	12	2		4	3	2-7
12SL7	12	7		1	3	7-8
12SL7	12	7		4	3	7-8
12SN7	12	7		1	3	7-8
12SN7	12	7		4	3	7-8
12SQ7	12	7		2	3	7-8
12SQ7	12	7		4	10	7-8
12SQ7	12	7		5	10	7-8
12SR7	12	7		2	3	7-8
12SR7	12	7		4	10	7-8
12SR7	12	7		5	10	7-8
12SW7	12	7		2	3	7-8
12SW7	12	7		4	10	7-8
12SW7	12	7		5	10	7-8
12AX7	12	7		1	3	7-8
12SX7	12	7		4	3	7-8
12SY7	12	2		5	3	2-7
12V6	12	2		5	3	2-7
12W6	12	2		5	3	2-7
12X4	12	3		1	3	3-4
12X4	12	3		6	3	3-4
12Z3	12	1		2	3	1-4
14A4	12	1		6	3	1-8
14A5	12	1		6	3	1-8
14A7	12	1		6	3	1-8
14AF7	12	1		4	3	1-8
14AF7	12	1		5	3	1-8
14B6	12	1	4	3	3	1-8
14B6	12	1	4	5	10	1-8
14B6	12	1	4	6	10	1-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT

Sheet1

14B8	12	1		4	3	1-8
14C5	12	1		4	3	1-8
14C7	12	1		6	3	1-8
14E6	12	1	4	3	3	1-8
14E6	12	1	4	5	10	1-8
14E6	12	1	4	6	10	1-8
14E7	12	1		3	10	1-8
14E7	12	1		4	10	1-8
14E7	12	1		6	3	1-8
14F7	12	1		4	3	1-8
14F7	12	1		5	3	1-8
14F8	12	2		1	3	2-7
14F8	12	2		8	3	2-7
14H7	12	1		6	3	1-8
14J7	12	1		4	3	1-8
14J7	12	1		6	6	1-8
14N7	12	1		4	3	1-8
14N7	12	1		5	3	1-8
14Q7	12	1		4	3	1-8
14R7	12	1		3	10	1-8
14R7	12	1		4	10	1-8
14R7	12	1		6	3	1-8
14S7	12	1		4	3	1-8
14S7	12	1		6	6	1-8
14W7	12	1	4	6	3	1-8
14X7	12	1		3	3	1-8
14X7	12	1		5	10	1-8
14X7	12	1		6	10	1-8
14Y4	12	1		3	3	1-8
14Y4	12	1		6	3	1-8
19	2.0	1		4	3	1-8
19BG6	25	2		5	3	2-7
19C8	25	4		1	10	4-5
19C8	25	4		2	10	4-5
19C8	25	4		6	10	4-5
19C8	25	4		8	3	4-5
19J6	25	3		5	3	3-4

Sheet1

19J6	25	3		6	3	3-4
19T8	25	4		1	10	4-5
19T8	25	4		2	10	4-5
19T8	25	4		6	10	4-5
19T8	25	4		8	3	4-5
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
19V8	25	4		2	10	4-5
19V8	25	4		6	3	4-5
19V8	25	4		7	10	4-5
19V8	25	4		9	10	4-5
19X8	25	4		2	3	4-5
19X8	25	4		7	3	4-5
21A7	25	1		4	6	1-8
21A7	25	1		6	3	1-8
24-A	2.5 *	1		TC	3	1-5
25A6	25	2		5	3	2-7
25A7	25	2		5	3	2-7
25A7	25	2		6	3	2-7
25AC5	25	2		5	3	2-7
25AV5	25	2		1	3	2-7
25AX4	25	7		5	3	7-8
25BK5	25	4	7	3	3	4-5
25BQ6	25	2		5	3	2-7
25B5	25	1		4	3	1-6
25B6	25	2		5	3	2-7
25B8	25	2		8	3	2-7
25B8	25	2		TC	3	2-7
25C6	25	2		5	3	2-7
25C6	25	2		5	3	2-7
25CD6	25	2		5	3	2-7
25CG6	25	2		1	3	3-4
25CU6	25	2		5	2	2-7
25D8	25	2		5	3	2-7
25D8	25	2		8	10	2-7
25D8	25	2		TC	3	2-7
25L6	25	2		5	3	2-7
25N6	25	2		5	3	2-7
25W4	25	7		5	3	7-8

Sheet1

25W6	2,5 *	2		5	3	2-7
25X6	25	2		3	3	2-7
25X6	25	2		8	3	2-7

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
25Y4	25	2		5	3	2-7
25Y5	25	1		2	3	1-6
25Y5	25	1		5	3	1-6
25Z3	25	1		2	3	1-4
25Z4	25	2		5	3	2-7
25Z5	25	1		2	3	1-6
25Z5	25	1		5	3	1-6
25Z6	25	2		3	3	2-7
25Z6	25	2		5	3	2-7
26A6	25	3		1	6	3-4
26A7	25	6		1	3	6-7
26A7	25	6		3	3	6-7
26BK6	25	3		1	3	3-4
26BK6	25	3		5	10	3-4
26BK6	25	3		6	10	3-4
26C6	25	3		1	6	3-4
26C6	25	3		5	10	3-4
26C6	25	3		6	10	3-4
26D6	25	3		1	6	3-4
26Z5W	25	4	9	1	3	4-5
26Z5W	25	4	9	6	3	4-5
27	2.5 *	5		3	3	1-5
28D7	25	1		2	3	1-8
28D7	25	1		7	3	1-8
28Z5	25	1	4	3	3	1-8
28Z5	25	1	4	6	3	1-8
32L7	35	2		5	3	2-7
32L7	35	2		6	3	2-7
35A5	35	1		6	3	1-8
35A6	35	1		6	3	1-8
35B5	35	3	7	1	3	3-4
35C5	35	3	2	5	3	3-4

Sheet1

35L6	35	2		5	3	2-7
35W4	35	3	6	5	3	3-4
35Y4	35	1	4	2	3	1-8
35Z3	35	1	4	2	3	1-8
35Z4	35	2		5	3	2-7
35Z5	35	2	3	5	3	2-7
35Z6	35	2		3	3	2-7
35Z6	35	2		5	3	2-7
40Z5	50	2	3	5	3	2-7
41	6.3	1		4	3	1-6

TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
42	6.3	1		4	3	1-6
43	2.5	1		4	3	1-6
45	2.5 *	1		3	3	1-5
45Z3	35	1	3, 6	2	3	1-7
45Z5	50	2	3	5	3	2-7
50A5	50	1		6	3	1-8
50AX6	50	2		3	3	2-7
50AX6	50	2		5	3	2-7
50B5	50	3	7	1	3	3-4
50C5	50	3	2	5	3	3-4
50C6	50	2		5	3	2-7
50L6	50	2		5	3	2-7
50X6	50	1		3	3	1-8
50X6	50	1		6	3	1-8
50Y6	50	3		3	3	7-8
50Y6	50	3		5	3	2-7
50Y7	50	2	6	4S	3	2-7
50Y7	50	2	6	8S	3	2-7
50Z6	50	2		3	3	2-7
50Z6	50	2		5	3	2-7
50Z7	50	2	6	3	3	2-7
50Z7	50	2	6	5	3	2-7
53	2.5 *	1		5	3	1-7
70A7	70	2	4	5	3	2-7
70L6	70	2		5	3	2-7
70L6	70	2		8	3	2-7

Sheet1

70L7	70	2		5	3	2-7
70L7	70	2		8	3	2-7
71	5.0	1		3	4	1-4
75	6.3	1		3	10	1-6
75	6.3	1		4	10	1-6
75	6.3	1		TC	3	1-6
76	6.3	1		3	3	1-5
77	6.3	1		TC	3	1-6
78	6.3	1		TC	3	1-6
79	6.3	1		3	3	1-6
79	6.3	1		TC	3	1-6
80	5.0	1		2	3	1-4
80	5.0	1		3	3	1-4
83V	5.0	1		2	3	1-4
83V	5.0	1		3	3	1-4
89	6.3	1		TC	3	1-6
117L7	117	2		4	3	2-7
117L7	117	2		6	3	2-7
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
117M7	117	2		4	3	2-7
117M7	117	2		6	3	2-7
117N7	117	2		4	3	2-7
117N7	117	2		8S	3	2-7
117P7	117	2		4	3	2-7
117P7	117	2		8S	3	2-7
117Z3	117	3	1	5	3	3-4
117Z4	117	2		5	3	2-7
117Z6	117	2		3	3	2-7
117Z6	117	2		5	3	2-7
502-A	6.3	2		5	3	2-7
713-A	6.3	2	3	4	3	2-7
717-A	6.3	2	3	4	3	2-7
807	6.3	1		3	2	1-4
816	2,5	1		TC	3	1-4
816-A	2,5	1		TC	3	1-4

Sheet1

866	2,5	1		TC	10	1-4
866-A	2,5	1		TC	10	1-4
879	2,5	1		TC	4	1-4
884	6.3	2		5	3	2-7
885	2,5	1		3	2	1-5
1003	117	-		3	10	-
1003	117	-		5	10	-
1006	2.0	1		3	10	1-4
1201	6.3	2	3,4,5	1	3	2-8
1203	6.3	1		4	3	1-8
1204	6.3	2	4,6	5	3	2-7
1206	6.3	1		4	3	1-8
1206	6.3	1		5	3	1-8
1223	6.3	2		TC	3	2-7
1231	6.3	1		6	2	1-8
1232	6.3	1		6	3	1-8
1247	.75	4	see note a	TC	3	4-5
1273	6.3	1	5	6	2	1-8
1280	12	1		6	3	1-8
1284	12	1		6	10	4-5
1291	1.4	1	4	3	3	1-8
1291	1.4	1	4	6	3	1-8
1293	1.4	1		6	3	1-8
1294	1.4	1		4	6	1-8
1299	1.4	1	7	6	6	1-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
1611	6.3	2		5	3	2-7
1612	6.3	2		TC	3	2-7
1620	6.3	2		TC	3	2-7
1621	6.3	2		5	3	2-7
1622	6.3	2		5	3	2-7
1626	12	2		5	3	2-7
1629	12	2		5	6	2-7
1631	12	2		5	3	2-7
1632	12	2		5	3	2-7
1633	25	7		1	3	7-8
1633	25	7		4	3	7-8

Sheet1

1634	12	7		3	3	7-8
1634	12	7		4	3	7-8
1635	6.3	2		4	3	2-7
1635	6.3	2		5	3	2-7
1644	12	6		1	3	6-7
1644	12	6		3	3	6-7
1654	1.4	1	2,3,6	TC	10	1-7
1851	6.3	2		TC	2	2-7
1852	6.3	2		4	2	2-7
1853	6.3	2		4	2	2-7
2050	6.3	2		3	2	2-7
5618	6.3	1	5	6	6	1-7
5635	6.3	3	4	1	3	3-6
5635	6.3	3	4	2	3	3-6
5636	6.3	3	8	1	6	3-6
5637	6.3	3		1	3	3-6
5640	6.3	3	4	1	3	3-6
5641	6.3	3		4	10	3-6
5643	6.3	3	4,8	7	3	3-6
5654	6.3	3	2	1	3	3-4
5656	6.3	4		3	3	4-5
5656	6.3	4		3	3	4-5
5670	6.3	1		3	3	1-9
5670	6.3	1		7	3	1-9
5672	1.4	5		4	10	3-5
5676	1.4	2		3	10	2-4
5678	1.1	3		4	10	3-5
5686	6.3	4	1,3	2	3	4-5
5686	6.3	4	1,3	6	3	4-5
5687	12	4	8	2	3	4-5
5687	12	4	8	7	3	4-5
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT
5690	6.3	1	6	3	2	1-2
5690	6.3	6	1	5	2	6-7
5691	6.3	7		1	3	7-8
5691	6.3	7		4	3	7-8
5693	6.3	2		4	3	2-7

Sheet1

5696	6.3	3	5	1	3	3-4
5718	6.3	3		1	3	3-6
5719	6.3	3		1	3	3-6
5725	6.3	3		1	3	3-4
5726	6.3	3		2	3	3-4
5726	6.3	3		7	3	3-4
5727	6.3	3	7	1	3	3-4
5744	6.3	2		4	6	2-3
5749	6.3	3		1	3	3-4
5750	6.3	3		1	3	3-4
5751	12	4	9	2	3	4-5
5751	12	4	9	7	3	4-5
5763	6.3	4	9	8	3	4-5
5814	12	4	9	2	3	4-5
5814	12	4	9	7	3	4-5
5839	25	2		3	3	2-7
5839	25	2		5	3	2-7
5840	6.3	3	4,8	1	3	3-6
5845	5.0	3	7	1	10	3-4
5845	5.0	3	7	5	10	3-4
5852	6.3	2		3	3	2-7
5852	6.3	2		5	3	2-7
5875	1.1	3		4	10	3-5
5879	6.3	4		1	3	4-5
5881	6.3	2		5	3	2-7
5898	6.3	3		1	3	3-6
5915	6.3	3		1	3	3-4
5931	5.0	2		4	2	2-8
5931	5.0	2		6	2	2-8
5932	6.3	2		5	3	2-7
5933	6.3	1		3	3	1-5
5963	12.6	4	9	2	3	4-5
5963	12.6	4	9	7	3	4-5
5964	6.3	3		5	3	3-4
5964	6.3	3		6	3	3-4
5998	6.3	7		1	3	7-8
5669	6.3	7		4	3	7-8
TUBE TYPE	FIL V	F	N	P	LOAD	FIL. CONT

Sheet1

6005	6.3	3	7	1	3	3-4
6072	12	4	9	2	3	4-5
6072	12	4	9	7	3	4-5
6080	6.3	7		1	3	7-8
6080	6.3	7		4	3	7-8
6082	2,5	7		1	3	7-8
6082	25	7		4	3	7-8
6135	6.3	3	1,2	6	3	3-4
6136	6.3	3		1	3	3-4
6137	6.3	2		4	3	2-7
6201	12	4	9	2	3	4-5
6201	12	4	9	7	3	4-5
6211	12	4	9	2	3	4-5
6211	12	4	9	7	3	4-5
6216	6.3	4	6,8	2	3	4-5
6417	12	4	9	8	3	4-5
7193	6.3	2		TC	3	2-7
8016	1.4	2	1,3,5,8	TC	10	2-7
9001	6.3	3		1	3	3-4
9002	6.3	3		6	3	3-4
9003	6.3	3	2	1	3	3-4
9006	6.3	3	1,2	5	10	3-4