

1-1-78

TUBE DATA

FOR



666 TUBE TESTER

COLETRONICS  SERVICE INC.

1744 ROCKAWAY AVENUE

• HEWLETT, L.I., N.Y. 11557

(AUTHORIZED  TUBE DATA SERVICE)

CAUTION

CAUTION

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TO AVOID TUBE DAMAGE, ADJUST ALL SETTINGS BEFORE INSERTING THE TUBE IN ITS SOCKET!
WHEN TAKING A MERIT READING, DO NOT HOLD THE MERIT BUTTON LONGER THAN NECESSARY TO ACQUIRE THAT READING.

- ▲ MAGNOVAL BASE - "MUST USE MAGNOVAL ADAPTER." NOT NECESSARY ON 610A ADAPTER.
- 10 PIN DECAL BASE - REQUIRES THE USE OF DECAL ADAPTER. NOT NECESSARY ON 610A ADAPTER.

FOR 10 PIN MINIATURE, 12 PIN COMPACTRONS, NOVAR, DECAL, MAGNOVAL, 2 PIN RECTIFIER AND NUVISTOR TYPE TUBES USE MODEL 610A ADAPTER.

KEY # - REFERS TO POSITIONING OF COMPACTRONS ON 610 - 610A ADAPTER.

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
OA2		0	0	60	41666 66111	3	2	1	1	1FD9		1.4	20	80	11634 52111	2	4	4-5-6	5
OA3		0	0	92	11614 16111	4	2	5	5	"		1.4	50	85	11566 62111	4	4	3	3
OB2		0	0	21	41666 66111	2	3	1	1	1G3		1.25	0	95	61666 62614	2	3	C	C
OB3		0	0	75	11614 16111	2	2	5	5	1H2		1.4	0	40	62166 16664	3	3	C	C
OC2		0	0	73	41666 66111	2	2	1	1	1J3		1.4	0	100	61666 62614	3	3	C	C
OC3		0	0	95	11614 16111	2	2	5	5	1K3		1.25	0	90	61666 62614	2	4	C	C
OD3		0	0	30	11114 11111	4	2	5	5	1L6		1.4	7	25	14351 12111	2	5	2-3-4	2
OG3		0	0	90	41666 66111	2	2	1	1	1P1		1.4	60	99	14312 51111	1	3	2-3-6	2
OZ4		Z	0	15	11416 11211	4	2	3	3	1P10		2.8	7	40	14536 62111	2	3	2-3-4	2
"		Z	0	15	11614 11211	4	2	5	5	1P11		1.4	60	99	14312 51111	1	3	2-3-6	2
1A7		1.25	13	87	11415 12113	2	4	3-5-C	3	1R5		1.4	7	70	14356 12111	2	4	2-3-4	2
1AD2	(2)	1.25	0	90	11266 16664	3	3	C	C	1RK23		1.4	0	90	12616 16614	3	2	C	C
1AE4		1.25	90	84	14366 52111	1	3	2-3-6	2	1RK41		1.4	0	63	62666 61614	2	3	C	C
1AF4		2.0	71	28	14366 52111	2	3	2-3-6	2	"		No short test							
1AF5		1.25	25	60	11134 52111	4	5	4-5-6	5	1S2		1.4	0	90	12616 16614	3	2	C	C
"		1.25	0	100	11566 62111	4	6	3	3	1S4		1.4	7	44	14351 62111	2	3	2-3-4	2
1AU2		1.25	0	60	66621 66631	3	3	9	9	1S5		1.4	20	80	11634 52111	2	4	4-5-6	5
1AX2		1.4	0	95	66121 61664	3	3	C	C	"		1.4	50	85	11566 62111	4	4	3	3
"		Good tube reads above 40.								1T4		1.4	7	85	14316 52111	4	3	2-3-6	2
1AY2		1.2	70	70	12111 11114	2	3	C	C	1U4		1.4	15	80	14316 52111	2	4	2-3-6	2
"		Good tube reads above 30. Insert into pins 2-8 of 9 pin min. socket.								1U5		1.4	20	60	14361 52111	2	4	2	2
1B3		1.25	0	95	61666 62614	2	3	C	C	"		1.4	65	10	11151 12111	3	5	4	4
1BC2		1.25	0	90	21161 61664	3	2	C	C	1V2		.625	0	55	66621 66641	3	2	9	9
1BK2		1.4	0	63	62666 61614	2	3	C	C	"		Good tube reads above 20.							
"		No short test.								1X2		1.4	0	85	66121 61664	2	3	C	C
1BX2		1.4	0	60	66121 61664	2	3	C	C	2A3		2.5	55	70	24511 11111	3	2	2-3	2
"		No short test.								2AF4		2.0	77	77	45211 66111	1	2	1-2-5	1
1BY2	(5)	1.25	0	90	61121 16114	2	3	C	C	2AH2	(2)	2.5	0	25	11266 16664	4	3	C	C
"		Good tube reads above 40. Cap goes to top of tube.								2AS2	(2)	2.5	0	30	21116 16614	3	3	C	C
1D13		1.25	7	21	14116 62111	4	6	2-3	2	2AV2		1.4	0	60	66621 66641	3	2	9	9
1DG3		1.25	0	30	16166 61214	3	3	-	C	"		Good tube reads above 30. No short test							
"		Good tube reads above 20. No short test.								2AZ2		2.0	0	90	66121 61664	3	2	C	C
1DK1		1.25	0	70	12111 11114	3	2	C	C	2BA2		2.0	70	70	66621 66641	3	2	9	9
"		Insert 2 base leads into pins 1&2 of 9 pin min. socket. Cap goes to top lead. Good tube reads above 30.								2BJ2		2.5	0	96	62166 61614	3	2	C	C
"										2BN4		2.5	74	17	15214 66111	1	3	1-2-5	5
1DK29		1.25	0	70	12111 11114	3	2	C	C	2BU2	(5)	2.8	0	35	61121 16114	2	3	C	C
"		Insert 2 base leads into pins 1&2 of 9 pin min. socket. Cap goes to top lead. Good tube reads above 40.								"		Good tube reads above 40. Cap goes to top of tube.							
"		1.4	50	95	14366 52111	1	4	3-6	2	2C51		6.3	30	30	21541 45111	2	3	*	4-6
1F1		1.4	7	92	14316 52111	4	3	2-3-6	2	"		*2-3-4-6-7-8							
1F2		1.4	7	85	15316 52111	4	3	2-3-6	2	2CN3		2.8	0	80	62666 61614	3	2	C	C
1F3		1.4	7	85	15316 52111	4	3	2-3-6	2	2CW4		2.8	60	40	14251 11111	1	3	2-4-8	2
										2CY5		2.5	7	75	51124 36111	2	3	1-2-5-6	5
										2D21		6.3	0	58	61213 43111	2	1	1-2-5-6	6
										2DL4		2.0	55	65	51621 66461	2	2	1-2-8	8
										2DS4		2.5	61	58	14151 11111	1	3	2-4-8	2

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	
3BU8		2.8	24	30	13412	15661	2	4	1-2-3-7	3
"		2.8	42	30	13612	65411	2	4	1-2-7-8	8
3BW2	(5)	3.8	0	45	61121	16114	2	3	C	C
"		Good tube reads above 40. Cap goes to top of tube.								
3BZ6		2.8	40	85	51214	31111	3	2	1-2-5-6	5
3CA3		3.8	0	40	12111	11614	3	3	C	C
3CB6		2.8	40	90	51214	31111	3	2	1-2-5-7	5
3CE5		2.8	30	20	51214	36111	3	3	1-2-5-6	5
3CF6		2.8	13	10	51214	31111	3	3	1-2-5-6	5
3CN3		2.8	0	80	62666	61614	3	2	C	C
3CS6		2.8	7	70	51214	31111	2	4	1-2-5-6	5
3CU3		2.8	30	50	62616	11614	3	2	C	C
3CV3A		2.8	0	73	62666	61614	2	3	C	C
"		No short test.								
3CX3		2.8	0	36	66266	66114	2	3	C	C
"		No short test.								
3CY3		3.8	0	90	62616	11114	1	3	C	C
"		Good tube reads above 30.								
3CY5		2.8	7	85	51124	36111	2	3	1-2-5-6	5
3CZ3		2.8	0	36	62616	11614	1	4	C	C
"		No short test.								
3DA3		2.8	0	36	66266	66114	2	3	C	C
"		No short test.								
3DB3		2.8	0	90	62616	11114	1	3	C	C
"		Good tube reads above 30.								
3DC3		2.8	0	70	62616	11114	1	3	C	C
3DF3		2.8	0	72	11211	11114	3	2	C	C
"		No short test.								
3DG4		2.8	0	75	16214	66111	2	1	5	5
"		2.8	0	75	16216	14111	2	1	7	7
3DH3		3.8	0	28	66266	66114	2	3	C	C
"		Good tube reads above 40. No short test.								
3DJ3		2.8	0	70	62616	11114	2	3	C	C
3DK6		2.8	65	85	51214	31111	3	2	1-2-5-6	5
3DR3		3.8	0	60	11216	11114	2	3	C	C
"		No short test.								
3DS3		2.8	0	60	61266	16114	2	3	C	C
"		No short test.								
3DT6		2.8	8	60	51214	31111	2	4	1-2-5-6	5
3DX4		2.8	10	40	45211	66111	1	3	1-2-5	1
3DZ4		2.8	46	82	45211	66111	1	2	1-2-5	1
3EH7		2.8	30	40	15612	14311	2	3	1-2-7-8	7
3EJ7		2.8	11	100	15612	14311	2	2	1-2-7-8	7
3ER5		2.8	15	25	65214	61111	2	3	2-5-7	5
3FH5		2.8	70	70	15214	16111	3	2	1-2-5	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
3FQ5		2.8	60	70	15214 16111	2	2	1-2-5	5	4BZ7		4.2	80	100	66612 45111	1	2	6-7-8	6
3FS5		2.8	54	20	51214 36111	2	3	1-2-5-6	5	"		4.2	73	100	45112 66611	1	2	1-2-3	1
3FY5		2.8	7	80	65214 61111	2	3	2-5-7	5	4CB6		4.2	40	90	51214 31111	3	2	1-2-5-7	5
3GK5		2.8	30	90	15214 66111	2	2	1-2-5	5	4CE5		4.2	30	20	51214 36111	3	3	1-2-5-6	5
3GS8		2.8	40	50	13412 15661	2	4	1-2-3-7	3	4CM4		3.8	75	40	45121 66661	2	2	1-2-3	1
"		2.8	40	50	13612 65411	2	4	1-2-7-8	8	4CS6		4.2	7	55	51214 31111	2	4	1-2-5-6	5
3HA5		2.8	55	40	51214 66111	1	3	1-2-5	5	4DK6		4.2	65	85	51214 31111	3	2	1-2-5-6	5
3HF5		2.8	50	75	15214 16111	3	2	1-2-5	5	4DL4		4.2	55	65	51621 66461	2	2	1-2-8	8
3HK5		2.5	25	80	51214 66111	2	2	1-2-5	5	4DT6		4.2	8	60	51124 31111	2	4	1-2-5-6	5
3HM5		2.8	90	96	51214 66111	1	2	1-2-5	5	4EH7		4.2	30	40	15612 14311	2	3	1-2-7-8	7
3HM6		2.8	50	30	15621 14361	2	3	1-2-7-8	7	4EJ7		4.2	11	100	15612 14311	2	2	1-2-7-8	7
3HQ5		2.8	20	95	51214 66111	2	2	1-2-5	5	4ES8		4.2	35	50	66621 45111	2	2	6-7-8	6
3JC6		3.8	55	80	15621 14361	3	2	1-2-7-8	7	"		4.2	35	50	45121 66611	2	2	1-2-3	1
3KT6		3.8	50	45	15621 14311	3	2	1-2-7-8	7	4EW6		4.2	75	82	51214 31111	3	2	1-2-5-7	5
3MP26		3.8	71	35	51214 36111	2	2	1-2-5-6	5	4GK5		4.2	30	90	15214 66111	2	2	1-2-5	5
3MR24		2.8	55	100	51214 31111	2	2	1-2-5-6	5	4GM6		4.2	30	70	51214 36111	4	2	1-2-5-6	5
3MV7		2.8	67	98	51214 31111	2	2	1-2-5-6	5	4GS7		4.2	10	70	54112 66661	2	2	1-2-3	2
3Q4		2.8	35	29	14536 62111	2	3	2-3-4	2	"		4.2	65	80	66112 43651	3	2	3-6-7-9	6
3Q5		2.8	25	27	12435 12111	2	3	3-4-5	3	4GS8		4.2	40	50	13412 15661	2	4	1-2-3-7	3
3S4		2.8	7	40	14536 62111	2	3	2-3-4	2	"		4.2	40	50	13612 65411	2	4	1-2-7-8	8
3V4		2.8	30	34	24316 51111	2	3	2	2	4GX7		4.2	70	75	15621 43661	3	2	1-2-6-7	6
4AB8		3.8	70	80	45121 66661	3	2	1-2-3	1	"		4.2	45	40	16621 66451	3	2	1-8-9	8
"		3.8	60	75	66121 46351	3	2	3-6-8-9	6	4GZ5		4.2	60	60	15126 34111	3	2	1-2-6-7	7
4AU6		4.2	70	89	51124 31111	3	2	1-5-6-7	5	4HA5		4.2	55	40	51214 66111	1	3	1-2-5	5
4AV6		4.2	25	85	51216 64111	3	3	1-2-7	7	4HA7	(3)	4.2	50	72	51124 11611	3	3	1-5-6	5
"		4.2	25	14	51216 64111	4	6	2-5-6	5-6	"	(5)	4.2	50	72	54111 21111	3	2	1-2-9	2
4BC5		4.2	15	55	51214 36111	2	3	1-2-5-6	5	4HC7	(0)	5.0	7	85	24111 16151	3	4	2-3	2
4BC8		4.2	20	10	66612 45111	2	3	6-7-8	6	"	(4)	5.0	7	84	45112 11111	3	2	1-8	1
"		4.2	20	10	45112 66611	2	3	1-2-3	1	4HK5		4.2	25	80	51214 66111	2	2	1-2-5	5
4BE6		4.2	30	96	51214 31111	2	3	1-2-5-7	5	4HM5		4.2	90	96	51214 66111	1	2	1-2-5	5
4BF5		4.2	25	60	51124 36111	2	2	1-2-5-6	5	4HM6		4.2	50	30	15621 14361	2	3	1-2-7-8	7
4BL8		4.7	35	70	46612 66151	2	2	1-8-9	1	4HQ5		4.2	20	95	51214 66111	2	2	1-2-5	5
"		4.7	50	70	65312 41661	4	2	2-3-6-7	6	4HS8		4.2	71	85	13612 65411	3	3	1-2-7-8	8
4BN6		4.2	30	80	15123 14111	2	4	1-2-5-7	7	"		4.2	71	85	13412 15661	3	3	1-2-3-7	3
4BQ7		4.2	75	75	66612 45111	2	2	6-7-8	6	4HT6		4.2	75	75	15621 14361	3	2	1-2-7-8	7
"		4.2	75	75	45112 66611	2	2	1-2-3	1	4JC6		4.2	55	80	15621 14361	3	2	1-2-7-8	7
4BS8		4.2	13	20	66612 45111	2	3	6-7-8	6	4JD6		4.7	70	70	15621 14361	3	2	1-2-7-8	7
"		4.2	13	20	45112 66611	2	3	1-2-3	1	4JH6		4.2	30	87	51214 31111	3	2	1-2-5-6	5
4BU8		4.2	24	30	13412 15661	2	4	1-2-3-7	3	4JL6		3.8	18	85	51214 31111	2	2	1-2-5-6	5
"		4.2	42	30	13612 65411	2	4	1-2-7-8	8	4JW8		4.2	62	85	41121 11151	3	2	1-8-9	1
4BX8		4.2	25	75	66621 45111	2	2	6-7-8	6	"		4.2	74	80	15321 41111	3	2	2-3-6-7	6
"		4.2	25	75	45121 66611	2	2	1-2-3	1	4KE8		4.2	30	30	15321 41111	2	3	2-3-6-7	6
4BZ6		4.2	40	85	51214 31111	3	2	1-2-5-6	5	"		4.2	50	80	41121 11151	2	2	1-8-9	1

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
5JK6		5.0	18	85	51214 31111	2	2	1-2-5-6	5	5Y3		5.0	0	85	12111 41111	2	1	6	6
5JL6		5.0	18	85	51214 31111	2	2	1-2-5-6	5	"		5.0	0	85	12141 11111	2	1	4	4
5KD8		5.0	50	60	46612 66151	3	2	1-8-9	1	5Y4		5.0	0	57	11614 11211	4	1	5	5
"		5.0	80	80	65312 41661	3	2	2-3-6-7	6	"		5.0	0	57	11416 11211	4	1	3	3
5KE8		5.0	30	30	15321 41111	2	3	2-3-6-7	6	5Z3		5.0	0	35	14621 11111	4	1	2	2
"		5.0	50	80	41121 11151	2	2	1-8-9	1	"		5.0	0	35	16421 11111	4	1	3	3
5KZ8		4.7	25	94	46612 66151	2	2	1-8-9	1	6A8		6.3	60	0	61415 32111	2	4	3-5-6-8	3
"		4.7	34	50	65112 43661	2	3	2-3-6	6	"		6.3	60	85	61416 32115	2	3	3-6-8-C	C
5LJ8		5.0	40	85	54112 66661	2	2	1-2-3	2	6AB4		6.3	50	85	41121 51111	3	2	1-6-7	1
"		5.0	50	85	66112 43651	3	2	3-6-7-9	6	6AC7		6.3	13	87	61151 32411	4	2	4-5-6-8	8
5MB8		4.7	40	42	66621 43151	2	3	6-7-8-9	6	6AC10	(5)	6.3	90	12	54121 11111	1	3	1-2-9	2
"		4.7	25	30	54121 66661	2	3	1-2-3	2	"	(3)	6.3	90	12	52114 11111	1	3	1-5-6	5
5MHH3		4.7	45	60	64215 61111	3	2	2-5-7	2	"	(0)	6.3	90	12	21114 15111	1	3	5-6-7	5
"		4.7	45	60	46216 51111	3	2	1-6-7	1	6AD10	(0)	6.3	25	50	21511 34111	4	3	2-3-6-7	7
5MK9		5.0	0	75	66214 66111	2	1	5	5	"	(8)	6.3	30	60	11513 41121	3	2	3-4-5-6	6
5MQ8		5.0	75	60	41121 11151	2	2	1-8-9	1	6AF3		6.3	0	98	66621 66641	1	1	9-C	9
"		5.0	70	90	15321 41111	2	2	2-3-6-7	6	6AF4		6.3	77	77	45211 66111	1	2	1-2-5	1
5R4		5.0	0	55	61646 66211	4	1	4	4	6AF9		6.3	75	75	51342 11111	2	2	1-2-3-4	4
"		5.0	0	55	61666 46211	4	1	6	6	"		6.3	75	75	11112 11534	2	2	7-8-9-C	C
5RDDH1		4.7	0	100	41121 11111	1	1	1-2	1	6AF11	(5)	6.3	65	50	13521 14111	2	2	1-2-3-7	7
"		4.7	0	100	11121 41111	1	1	3-6	6	"	(0)	6.3	94	100	21111 51411	1	2	5-6-8	8
"		4.7	37	70	11121 14511	1	4	4-5-9	7	"	(0)	6.3	88	40	21541 11111	1	3	3-4-7	4
5RHP1		5.0	35	70	46612 66151	2	2	1-8-9	1	6AG5		6.3	70	95	51214 36111	3	2	1-2-5-6	5
"		5.0	50	70	65312 41661	4	2	2-3-6-7	6	6AG7		6.3	60	38	11151 32411	3	2	4-5-6-8	8
5RHR1		5.0	55	65	46612 66151	2	2	1-8-9	1	6AG9	(5)	6.3	20	10	13511 24111	3	2	1-2-3-7	7
"		5.0	58	89	65312 41661	2	2	2-3-6-7	6	"	(0)	6.3	20	75	21115 14661	3	2	5-6-7	7
5T8		5.0	50	50	56612 51661	3	5	1-7	1	6AG11	(0)	6.3	0	100	21411 11111	1	1	2-3	3
"		5.0	50	50	66612 61541	3	3	7-8-9	9	"	(0)	6.3	74	40	21115 41111	1	3	4-5-6	6
"		5.0	50	50	65112 66661	3	4	2-3	2	"	(0)	6.3	71	40	21111 14511	1	3	7-8-9	7
"		5.0	50	50	56612 51661	3	5	6-7	6	"	(8)	6.3	0	100	11114 11121	1	1	5-6	5
5U4		5.0	0	100	12111 41111	1	1	6	6	6AH4		6.3	15	75	51664 62111	1	2	1-5-8	5
"		5.0	0	100	12141 11111	1	1	4	4	6AH6		6.3	75	80	56124 31111	3	2	1-5-6-7	5
5U8		5.0	55	90	46612 66151	2	2	1-8-9	1	6AH9	(0)	6.3	40	50	25411 11111	3	2	2-3-4	3
"		5.0	44	73	65312 41661	2	3	2-3-6-7	6	"	(7)	6.3	70	50	13114 11215	2	2	1-2-5-C	5
5U9		6.3	50	50	16112 16145	1	3	1-9-C	9	6AJ7		6.3	13	87	61151 32411	4	2	4-5-6-8	8
"		6.3	35	40	61512 14311	1	4	2-3-7-8	7	6AJ8		6.3	92	92	35121 43661	2	2	1-2-3-6-7	6
5V4		5.0	0	65	11141 61211	2	1	4	4	"		6.3	76	76	35121 43451	1	3	8-9	8
"		5.0	0	65	11161 41211	2	1	6	6	6AK5		6.3	35	35	51214 36111	2	3	1-2-5-6	5
5V6		4.7	40	40	61436 62111	4	2	3-4-5-8	3	6AK6		6.3	50	89	51124 31111	3	2	1-5-6-7	5
5V9		5.0	65	65	11532 14111	1	4	1-3-4-7	7	6AK7		6.3	60	38	11151 32411	3	2	4-5-6-8	8
"		5.0	55	55	11112 11514	1	3	8-9-C	C	6AK9	(8)	6.3	66	66	11665 42111	1	3	2-5-6	6
5X8		4.7	20	30	16621 15341	3	3	6-7-8-9	9	"	(8)	6.3	66	66	11536 62111	1	3	2-3-4	4
"		4.7	20	90	15421 16611	2	2	2-3	3	"	(0)	6.3	66	66	24516 61661	1	3	2-3-7	2
5X9		6.3	87	40	16112 16645	1	3	1-9-C	9	6AK10	(0)	6.3	65	75	21114 15111	2	2	5-6-7	5
"		6.3	18	10	61512 14311	2	3	2-3-7-8	7	"	(6)	6.3	65	74	11152 11411	2	2	4-8-9	8
										"	(8)	6.3	66	75	11154 12111	2	2	4-5-C	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6AL3		6.3	0	100	66612 66641	1	1	9-C	9	6AU8		6.3	80	80	15412 66661	2	2	1-2-3	3
6AL5		6.3	0	98	16211 14111	1	1	1-7	7	"		6.3	80	80	66612 15341	2	2	6-7-8-9	9
"		6.3	0	98	14211 16111	1	1	2-5	2	6AV5		6.3	10	80	51114 12311	4	1	1-3-5-8	5
6AL9	(5)	6.3	10	41	13511 24111	2	3	1-2-3-7	7	6AV6		6.3	25	85	51216 64111	3	3	1-2-7	7
"	(0)	6.3	90	45	21115 14111	2	2	5-6-7	7	"		6.3	25	14	51216 64111	4	6	2-5-6	5-6
6AL11	(0)	6.3	45	40	21516 43111	3	3	2-6-7	6	6AV11	(0)	6.3	50	95	21114 15111	2	2	5-6-7	5
"	(8)	6.3	55	60	11513 41121	3	2	3-4-5-6	6	"	(5)	6.3	50	95	11521 14111	2	2	3-7-8	7
6AM4		6.3	80	70	51664 62161	3	2	1-2-5	5	"	(5)	6.3	50	95	54121 11111	2	2	1-2-9	1
6AM8		6.3	0	10	66612 61411	1	2	7-8	8	6AW8		6.3	50	50	66621 15341	3	2	6-7-8-9	9
"		6.3	40	40	15312 41111	2	3	1-2-3-6	6	"		6.3	72	72	15421 66661	3	2	1-2-3	3
6AN4		6.3	7	93	45211 66111	4	2	1-2-5	1	6AX3	(0)	6.3	0	72	21141 11111	2	1	4-7	4
6AN5		6.3	50	50	51214 36111	2	2	1-2-5-6	5	6AX4		6.3	0	100	66114 12111	1	1	3-5	5
6AN8		6.3	20	40	45112 66661	3	2	1-2-3	1	6AX5		6.3	0	60	61416 12111	4	1	3-8	3
"		6.3	60	60	66612 43511	3	2	6-7-8-9	6	"		6.3	0	60	61614 12111	4	1	5-8	5
6AQ5		6.3	70	34	51124 36111	3	2	1-2-5-6	5	6AX7		6.3	37	75	45112 66661	2	3	1-2-3	1
6AQ6		6.3	14	89	51216 64111	3	3	1-2-7	7	"		6.3	40	76	66612 45161	2	3	6-7-8	6
"		6.3	14	89	51214 64111	3	6	5-6	5-6	6AX8		6.3	55	90	46612 66151	2	2	1-8-9	1
6AQ7		6.3	50	50	51511 12111	2	5	1-2-3	1-3	"		6.3	25	35	65312 41661	3	3	2-3-6-7	6
"		6.3	7	39	61654 12111	4	4	4-5-6	5	6AY3		6.3	0	25	66621 64611	3	1	7-9	7
6AQ8		6.3	80	80	66621 45111	2	2	6-7-8	6	6AY11	(4)	6.3	95	63	51112 15111	3	2	1-2-6-7	1-7
"		6.3	80	80	45121 66611	2	2	1-2-3	1	"	(0)	6.3	60	60	21115 44511	2	3	*	6-7
6AR5		6.3	65	33	51124 36111	4	2	1-2-5-6	2	"		*4-5-6-7-8-9							
6AR8		6.3	20	20	11421 51441	4	3	3-6-8-9	8-9	6AZ8		6.3	80	70	43121 51111	3	2	1-2-3	1
6AR11	(0)	6.3	30	30	24315 11111	2	3	2-3-4-5-6	2	"		6.3	55	45	11121 11451	3	2	7-8-9	8
"	(7)	6.3	34	34	14351 11211	2	3	1-2-3-4-5	2	6B4		6.3	55	70	12415 11111	3	2	2-3	3
6AS5		6.3	7	25	15126 34111	4	2	1-2-6-7	7	6B8		6.3	30	60	61466 32115	3	3	3-6-8	3
6AS6		6.3	30	40	51214 31111	3	3	1-2-5-6	5	"		6.3	85	85	61655 62116	2	4	4-5-8	4-5
6AS7		6.3	15	10	11154 12111	2	1	4-5-6	5	6B10	(0)	6.3	86	48	21541 11111	2	2	2-3-4	4
"		6.3	15	10	54111 12111	2	1	1-2-3	2	"	(0)	6.3	86	48	21115 41111	2	2	5-6-7	6
6AS8		6.3	20	10	35112 61641	3	3	1-2-3-9	9	"	(6)	6.3	70	85	61511 12111	2	3	2-3	3
"		6.3	0	10	66612 46161	1	2	6-8	6	"	(6)	6.3	70	85	51611 12111	2	3	1	1
6AS11	(5)	6.3	35	65	13521 14111	3	2	1-2-3-7	7	6BA3		6.3	0	35	66621 64611	4	1	7-9	7
"	(0)	6.3	30	90	21111 51411	3	2	5-6-8	8	6BA5		6.3	20	62	51114 23111	3	3	1-5-7-8	5
"	(0)	6.3	30	90	21541 11111	3	2	3-4-7	4	6BA6		6.3	75	75	51214 31111	3	2	1-5-6-7	5
6AT6		6.3	13	93	51216 64111	1	4	2-7	7	6BA7		6.3	20	90	35121 15141	2	3	1-2-3-9	9
"		6.3	67	36	11215 51111	2	6	5-6	5-6	6BA8		6.3	70	70	15412 66661	2	2	1-2-3	3
6AT7N		6.3	30	90	66621 45111	3	2	6-7-8	6	"		6.3	75	75	66612 15341	2	2	6-7-8-9	9
"		6.3	30	90	45121 66611	3	2	1-2-3	1	6BA11	(0)	6.3	33	33	24351 66161	3	4	2-3-4-8	2
6AT8		6.3	63	91	54112 66661	2	2	1-2-3	2	"	(0)	6.3	33	33	26356 41161	3	4	3-4-6-8	6
"		6.3	66	95	66112 43151	3	2	6-7-9	6	"	(5)	6.3	57	57	51411 26666	3	2	1-2-3	3
6AU4		6.3	0	62	66114 11211	1	2	3-5	5	6BB14▲		6.3	8	94	12121 36614	1	2	1-3-6-C	C
6AU5		6.3	25	90	51114 12311	3	1	1-3-5-8	5	6BC4		6.3	20	87	35621 16661	3	2	1-2-6	1
6AU6		6.3	70	89	51124 31111	3	2	1-5-6-7	5	6BC5		6.3	15	55	51214 36111	2	3	1-2-5-6	5
6AU7		6.3	95	100	45121 11161	1	2	1-2-3	1	6BC7		6.3	47	47	15612 66111	3	4	1-2	2
"		6.3	95	100	11121 45161	1	2	6-7-8	6	"		6.3	47	47	66612 51661	3	4	6-7	6
										"		6.3	47	47	66612 66511	3	4	8-9	8

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6BC8		6.3	20	10	66612 45111	2	3	6-7-8	6	6BL7		6.3	50	55	11154 12111	2	2	4-5-6	5
"		6.3	20	10	45112 66611	2	3	1-2-3	1	"		6.3	50	55	54111 12111	2	2	1-2-3	2
6BD11	(5)	6.3	47	85	13521 14111	2	2	1-2-3-7	7	6BL8		6.3	35	70	46612 66151	2	2	1-8-9	1
"	(0)	6.3	59	90	21541 11111	2	2	3-4-7	4	"		6.3	50	70	65312 41661	4	2	2-3-6-7	6
"	(0)	6.3	59	90	21111 51411	2	2	5-6-8	8	6BM8		6.3	70	85	56621 66141	3	2	1-8-9	9
6BE3	(0)	6.3	0	75	21141 11111	2	1	4-7	4	"		6.3	35	55	61521 43661	2	2	2-3-6-7	6
6BE6		6.3	30	90	51214 31111	2	3	1-2-5-7	5	6BN4		6.3	74	17	15214 66111	1	3	1-2-5	5
6BF5		6.3	25	60	51124 36111	2	2	1-2-5-6	5	6BN6		6.3	30	80	15123 14111	2	4	1-2-5-7	7
6BF6		6.3	85	90	11215 51111	3	4	5-6	5-6	6BN7		6.3	25	75	15123 14111	2	4	1-2-5-6-7	7
"		6.3	85	90	51216 64111	2	2	1-2-7	7	6BN8		6.3	50	40	51612 66661	1	6	1-2	1
6BF7		6.3	15	30	66161 25411	3	3	5-7-8	8	"		6.3	50	40	66112 56661	1	6	3-6	6
"		6.3	15	30	45116 26611	3	3	1-2-4	1	"		6.3	7	65	66612 64511	1	4	7-8-9	7
6BF8		6.3	65	75	56621 16661	2	4	1-6	1	6BN11	(0)	6.3	80	90	21534 11111	2	2	2-3-4-5	5
"		6.3	65	75	56621 16661	2	4	2	2	"	(8)	6.3	80	90	15131 41121	2	2	2-3-4-6	6
"		6.3	65	75	66521 16661	2	4	3	3	6BQ5		6.3	60	95	65121 64631	4	1	2-3-7-9	7
"		6.3	65	75	66621 15661	2	4	7	7	6BQ6		6.3	85	80	12635 61114	2	1	4-5-8-C	C
"		6.3	65	75	66621 16561	2	4	8	8	6BQ7		6.3	65	65	66612 45111	2	2	6-7-8	6
"		6.3	65	75	66621 16651	2	4	9	9	"		6.3	65	65	45112 66611	2	2	1-2-3	1
6BF11	(0)	6.3	52	70	21511 34111	3	3	2-3-6-7	7	6BR3		6.3	0	75	66621 66641	2	1	9-C	9
"	(6)	6.3	50	55	51341 12111	2	2	1-2-3-4	4	6BR5		6.3	0	15	11621 64641	4	5	1-7-9	7
6BG6		6.3	85	90	12115 11314	4	1	3-5-8-C	C	"		6.3	0	15	11621 61641	4	5	7	7
6BH3		6.3	0	45	66621 64611	4	1	7-9	7	6BR8		6.3	16	30	54112 66661	2	3	1-2-3	2
6BH6		6.3	65	65	51214 31111	2	3	1-2-5-6	5	"		6.3	25	98	66612 43151	4	2	6-7-8-9	6
6BH8		6.3	40	40	15412 66661	3	2	1-2-3	3	6BS3		6.3	0	75	66621 64611	2	1	7-9	7
"		6.3	30	30	66612 15341	2	3	6-7-8-9	9	6BS8		6.3	13	20	66612 45111	2	3	6-7-8	6
6BH11	(0)	6.3	40	60	21451 11111	3	2	2-3-4	3	"		6.3	13	20	45112 66611	2	3	1-2-3	1
"	(0)	6.3	40	60	21111 54111	3	2	5-6-7	6	6BU8		6.3	24	30	13412 15661	2	4	1-2-3-7	3
"	(6)	6.3	80	85	53411 12111	3	2	1-2-3-4	3	"		6.3	42	30	13612 65411	2	4	1-2-7-8	8
6BJ3	(0)	6.3	0	75	21141 11111	2	1	4-7	4	6BV8		6.3	50	50	66612 56161	4	3	6-8	6
6BJ6		6.3	55	26	51214 31111	2	3	1-2-5-6	5	"		6.3	50	50	66612 61651	4	3	7-9	9
6BJ7		6.3	20	58	15612 66661	2	4	1-2	2	"		6.3	15	15	15412 61661	2	3	1-2-3	3
"		6.3	20	58	66612 51661	2	4	6-7	6	6BV11	(0)	6.3	40	40	21431 51111	3	3	3-4-5-6	3
"		6.3	20	58	66612 66511	2	4	8-9	8	"	(7)	6.3	40	40	51341 11211	3	3	1-2-3-4	4
6BJ8		6.3	50	50	51612 66661	1	6	1-2	1	6BW3	(7)	6.3	0	67	11141 11211	2	1	1-4	4
"		6.3	50	50	66112 56661	1	6	3-6	6	"		6.3	0	50	66612 64611	1	2	7-9	7
"		6.3	7	45	66612 64511	2	3	7-8-9	7	6BW4		6.3	0	50	46612 66611	1	2	1-9	1
6BK4		6.3	45	60	11665 62614	3	4	1-5-C	C	6BW6		6.3	40	70	56121 64311	3	2	1-3-7-8	7
"		Good tube reads above 40.								6BW8		6.3	70	70	51512 66661	3	4	1-2-3	1-3
6BK5		6.3	93	30	41512 16311	2	2	1-2-6-9	1	"		6.3	70	90	66612 51341	3	2	6-7-8-9	9
6BK7		6.3	65	85	66621 45111	2	2	6-7-8	6	6BW11	(6)	6.3	45	70	43151 12111	3	2	1-2-3-4	1
"		6.3	65	85	45121 66611	2	2	1-2-3	1	"	(2)	6.3	70	82	11215 34111	3	2	4-5-6-7	7
6BK8		6.3	55	60	51121 41151	3	4	1-3-6-9	6	6BX7		6.3	32	32	11154 12111	2	2	4-5-6	5
6BK11	(8)	6.3	50	50	11654 62111	3	3	4-5-C	5	"		6.3	32	32	54111 12111	2	2	1-2-3	2
"	(0)	6.3	50	50	21114 15111	3	3	5-6-7	5	6BX8		6.3	25	75	66621 45111	2	2	6-7-8	6
"	(6)	6.3	50	50	11151 12411	3	3	4-8-9	8	"		6.3	25	75	45121 66611	2	2	1-2-3	1

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6BY5		6.3	0	36	11146 12611	4	1	1-4	4	6CG7		6.3	30	30	66612 45111	2	3	6-7-8	6
"		6.3	0	36	61164 12111	4	1	5-8	5	"		6.3	30	30	45112 66611	2	3	1-2-3	1
6BY6		6.3	30	95	51214 31111	1	4	1-2-5-6-7	5	6CG8		6.3	65	85	54112 66661	2	2	1-2-3	2
6BY7		6.3	45	60	15621 14311	2	3	1-2-7-8	7	"		6.3	35	19	66112 43651	3	3	3-6-7-9	6
6BY8		6.3	30	40	56121 14311	3	3	1-7-8-9	7	6CH3		6.3	0	70	66621 64621	2	1	7-9	7
"		6.3	0	75	11121 41111	2	1	3-6	6	6CH8		6.3	45	45	14321 15111	2	3	2-3-6-7	2
6BY11	(0)	6.3	50	50	21511 34111	3	3	2-3-6-7	7	"		6.3	50	50	11121 11541	3	2	1-8-9	9
"	(8)	6.3	50	50	11513 41121	2	2	3-4-5-6	6	6CH40		6.3	92	92	35121 43661	2	2	1-2-3-6-7	6
6BZ3	(0)	6.3	0	65	21146 61661	2	1	4-7	4	"		6.3	76	76	35121 43451	1	3	8-9	8
6BZ6		6.3	40	85	51214 31111	3	2	1-2-5-6	5	6CJ3		6.3	0	20	66621 64611	4	1	7-9	7
6BZ7		6.3	80	100	66612 45111	1	2	6-7-8	6	6CJ6		6.3	30	20	65121 66314	2	2	2-3-9-C	C
"		6.3	73	100	45112 66611	1	2	1-2-3	1	6CK3		6.3	0	65	64621 66611	2	1	2-9	2
6BZ8		6.3	7	25	66612 45111	2	3	6-7-8	6	6CK4		6.3	64	64	51614 12111	3	1	1-5-8	5
"		6.3	7	60	45112 66611	2	3	1-2-3	1	6CL3		6.3	0	25	66621 64611	3	1	7-9	7
6C4		6.3	93	100	46126 51111	1	2	1-6-7	1	6CL5		6.3	45	85	62156 61314	2	1	3-4-8-C	C
6C5		6.3	65	80	62465 61111	2	2	3-5-8	3	6CL6		6.3	55	55	15321 41661	3	2	1-2-3-6-7	6
6C9		6.3	36	15	53421 11111	2	3	1-2-3-C	3	6CL8		6.3	30	35	54121 11111	3	2	1-2-3	2
"		6.3	36	15	11121 15341	2	3	6-7-8-9	9	"		6.3	70	90	11121 43151	3	2	6-7-8-9	6
6C10	(0)	6.3	50	50	21114 15111	3	3	5-6-7	5	6CM3		6.3	0	35	64621 66611	3	1	2-9	2
"	(4)	6.3	50	50	15112 41116	3	3	2-6-7	6	6CM4		6.3	55	70	45121 66661	2	2	1-2-3	1
"	(5)	6.3	50	50	54111 21111	3	3	1-2-9	2	6CM5		6.3	30	20	62635 11114	2	2	5-8-C	C
6C16		6.3	35	70	46612 66151	2	2	1-8-9	1	6CM6		6.3	45	25	36512 61641	4	2	1-3-7-9	9
"		6.3	50	70	65312 41661	4	2	2-3-6-7	6	6CM7		6.3	80	67	66112 45661	2	2	3-6-7	6
6C18		6.3	30	30	46121 66151	3	2	1-8-9	1	"		6.3	40	65	46612 66511	2	2	1-8-9	1
"		6.3	70	70	63421 65161	3	2	2-3-7-8	3	6CM8		6.3	7	25	46612 66151	4	4	1-8-9	1
6CA4		6.3	0	70	46121 66111	2	1	1-3	1	"		6.3	7	50	65112 43661	4	3	2-3-6-7	6
"		6.3	0	70	66121 64111	2	1	3-7	7	6CN7		6.3	20	87	66612 15461	1	4	6-7-8	8
6CA7		6.3	30	95	11435 12111	4	1	3-4-5-8	3	"		6.3	10	35	55112 66661	4	6	1-2-3	1-2
6CA11	(0)	6.3	11	50	21141 51111	2	3	4-5-6	4	6CQ4		6.3	0	70	66114 12111	2	1	3-5	5
"	(0)	6.3	20	50	24511 11111	2	3	2-3-7	2	6CQ8		6.3	50	50	15321 41111	2	3	2-3-6-7	6
"	(8)	6.3	60	54	11513 42111	2	2	3-4-5-6	6	"		6.3	15	15	41121 11151	2	3	1-8-9	1
6CB5		6.3	10	75	31156 62614	3	1	1-3-4-C	C	6CR6		6.3	7	23	15126 66111	4	6	1-2	2
6CB6		6.3	40	90	51214 31111	3	2	1-2-5-7	5	"		6.3	15	30	16124 35111	4	3	1-5-6-7	5
6CC31		6.3	20	20	64125 61111	2	3	2-5-7	2	6CS6		6.3	11	19	51214 31111	2	4	1-2-5-6	5
"		6.3	20	20	46126 51111	2	3	1-6-7	1	6CS7		6.3	75	90	66612 45161	2	2	6-7-8	6
6CC42		6.3	30	30	21541 45111	2	3	2-3-4-6-7-8	4-6	"		6.3	25	80	46512 66611	2	2	1-3-9	1
6CC43		6.3	80	80	66621 45111	2	2	6-7-8	6	6CT3		6.3	0	93	64621 66611	1	1	2-9	2
"		6.3	80	80	45121 66611	2	2	1-2-3	1	6CU5		6.3	23	90	15216 34111	3	1	1-2-6-7	7
6CD3	(0)	6.3	0	59	21146 61661	2	1	4-7	4	6CU6		6.3	25	80	11635 62114	4	1	4-5-8-C	C
6CD6		6.3	90	90	12115 11314	2	1	3-5-8-C	C	6CU8		6.3	7	45	14312 15141	3	3	2-6-7	2
6CE3	(0)	6.3	0	59	21146 61661	2	1	4-7	4	"		6.3	7	65	16612 66541	3	2	1-8-9	9
6CE5		6.3	30	20	51214 36111	3	3	1-2-5-6	5	6CW4		6.3	27	40	14151 11111	1	3	2-4-8	2
6CF6		6.3	40	5	51214 31111	3	3	1-2-5-6	5	6CW5		6.3	25	35	65121 64631	2	2	2-3-7-9	7
6CG3	(0)	6.3	0	65	21146 61661	2	1	4-7	4	6CX8		6.3	85	85	15412 66661	2	2	1-2-3	3
										"		6.3	75	75	66612 15341	2	2	6-7-8-9	9

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6CY5		6.3	7	65	51124 36111	2	3	1-2-5-6	5	6DT5		6.3	30	30	31521 61641	3	2	1-3-7-9	9
6CY7		6.3	55	70	46521 11111	2	1	1-3-9	1	6DT6		6.3	8	60	51214 31111	2	4	1-2-5-6	5
"		6.3	50	55	16121 45111	2	3	6-7-8	6	6DT8		6.3	30	90	66621 45111	3	2	6-7-8	6
6CZ5		6.3	40	67	31521 61641	2	2	1-3-7-9	9	"		6.3	30	90	45121 66611	3	2	1-2-3	1
6D1		6.3	50	50	46126 51111	3	3	1-6-7	1	6DU3	(0)	6.3	0	60	21146 61661	2	1	4-7	4
6D4		6.3	0	70	56126 41111	2	1	1-5-7	7	6DV4		6.3	14	100	64251 61111	1	2	2-4-7	2
6D10	(0)	6.3	70	70	21114 15611	3	2	5-6-7	5	6DW4		6.3	0	95	66621 64611	1	1	7-9	7
"	(3)	6.3	70	70	51124 11111	3	2	1-5-6	5										
"	(5)	6.3	70	70	54121 11111	3	2	1-2-9	2	6DW5		6.3	60	70	36512 61641	3	1	1-3-7-9	9
6DA4		6.3	0	65	66114 12111	2	1	3-5	5	6DX4		6.3	10	40	45211 66111	1	3	1-2-5	1
6DA6		6.3	35	40	15121 14311	2	3	2-3-7-8	7	6DX8		6.3	30	55	54121 11111	2	3	1-2-3	2
6DB5		6.3	7	85	31512 61641	1	3	1-3-6-9	9	"		6.3	30	20	11121 41531	2	3	6-7-8-9	6
6DB6		6.3	7	85	51214 31111	3	3	1-2-5-6	5	6DZ4		6.3	46	82	45211 66111	1	2	1-2-5	1
6DC6		6.3	7	9	51214 31111	3	3	1-2-7	5	6E5		6.3	7	80	24541 11111	4	4	2-3-4-5	4
6DC8		6.3	60	60	35112 46661	4	2	1-2-3-6	6	6E8		6.3	7	30	12435 41111	2	4	3-4-5-6-8	3
"		6.3	80	90	66112 65561	3	4	3-7-8	7-8	"		6.3	15	35	12435 41111	2	4	6	6
6DE4		6.3	0	75	66114 12111	2	1	3-5	5	6EA4	(3)	6.3	50	45	11266 61514	4	4	7-8-C	C
6DE6		6.3	70	85	51214 31111	3	2	1-2-5-6	5	"		Cap goes to top of tube.							
6DE7		6.3	75	75	11121 45111	3	2	6-7-8	6	6EA5		6.3	70	75	51214 36111	3	2	1-2-5-6	5
"		6.3	40	40	45621 11111	3	1	1-2-9	1	6EA7		6.3	15	82	11154 12111	4	3	4-5-6	5
6DG6		6.3	7	93	61435 62111	3	1	3-4-5-8	3	"		6.3	20	70	54111 12111	2	1	1-2-3	2
6DJ8		6.3	50	50	66621 45111	2	2	6-7-8	6	6EA8		6.3	75	65	46612 66151	2	2	1-8-9	1
"		6.3	50	50	45121 66611	2	2	1-2-3	1	"		6.3	60	80	65312 41661	3	2	2-3-6-7	6
6DK3		6.3	0	55	14621 66661	2	1	2-C	2	6EB5		6.3	40	50	15211 15111	4	4	1-2-5-7	2-7
6DK6		6.3	65	85	51214 31111	3	2	1-2-5-6	5	6EB8		6.3	70	70	15412 66661	4	2	1-2-3	3
6DL3		6.3	0	54	64621 66661	2	1	2-C	2	"		6.3	75	75	66612 15341	2	2	6-7-8-9	9
6DL4		6.3	55	65	51621 66461	2	2	1-2-8	8	6EC4▲		6.3	0	25	64121 66661	3	1	2-C	2
6DL5		6.3	7	92	51214 36111	3	2	1-2-6	5	6ED4▲		6.3	60	15	16621 66564	4	5	1-8-C	C
6DN3		6.3	0	52	64612 66611	2	1	2-9	2	6EF4	(2)	6.3	40	60	21166 61564	4	4	7-8-C	C
6DN7		6.3	30	15	11154 12111	2	3	4-5-6	5	6EH4	(2)	6.3	70	75	11261 11514	3	4	7-8-C	C
"		6.3	30	35	54154 12111	2	2	1-2-3	2	"		Cap goes to top of tube.							
6DQ3	(0)	6.3	0	60	21146 61661	2	1	4-7	4	6EH5		6.3	47	47	15126 34111	2	2	1-2-6-7	7
6DQ4		6.3	0	80	66114 12111	2	1	3-5	5	6EH7		6.3	30	40	15612 14311	2	3	1-2-7-8	7
6DQ5		6.3	69	69	52136 61614	2	1	1-3-4-C	C	6RH8		6.3	20	65	15412 66661	3	2	1-2-3	3
6DQ6		6.3	78	78	11635 62114	1	2	4-5-8-C	C	"		6.3	20	75	66612 15341	2	3	6-7-8-9	9
6DR4		6.3	50	50	46126 51111	3	3	1-6-7	1	6EJ4	(2)	6.3	70	90	11261 11514	3	4	7-8-C	C
6DR7		6.3	28	28	11121 45111	4	3	6-7-8	6	"		Cap goes to top of tube.							
"		6.3	28	28	45621 11111	1	2	1-2-9	1	6EJ7		6.3	11	100	15612 14311	2	2	1-2-7-8	7
6DS4		6.3	50	75	14251 11111	2	2	2-4-8	2	6EL4		6.3	20	50	11665 62614	4	5	1-5-C	C
6DS5		6.3	7	40	51124 36111	2	3	1-2-5-6	5	6EM5		6.3	10	60	36512 61641	3	2	1-3-7-9	9
6DS8		6.3	45	53	66121 66451	3	2	3-8-9	8	6EM7		6.3	55	55	11154 12111	2	3	4-5-6	5
"		6.3	40	50	35121 46661	3	3	1-2-3-6	6	"		6.3	55	55	54111 12111	2	1	1-2-3	2
6DT3	(5)	6.3	0	95	66611 26641	1	1	9-C	9	6EN4		6.3	80	54	12665 61614	3	4	1-5-C	C
6DT4		6.3	0	80	66114 12111	2	1	3-5	5	6EQ7		6.3	30	40	15121 34661	2	3	2-3-6-7	7
										"		6.3	0	40	11121 11461	1	3	8	8
										6ER5		6.3	15	25	65214 61111	2	3	2-5-7	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6ES5		6.3	20	15	65214 61111	2	3	2-5-7	5	6FH8		6.3	81	20	65412 66661	1	3	2-3	3
6ES8		6.3	7	60	66612 45111	2	2	6-7-8	6	"		6.3	77	71	46612 53661	2	3	1-6-7	1
"		6.3	7	60	45112 66611	2	2	1-2-3	1	"		6.3	85	71	66612 53461	2	3	6-7-8	8
6EU7		6.3	26	80	12166 64511	3	3	7-8-9	7	"		6.3	14	71	66612 53641	2	3	6-7-9	9
"		6.3	26	80	12115 46661	3	3	4-5-6	6	6FJ7	(0)	6.3	25	55	21514 61111	2	2	3-5-7	5
6EU8		6.3	7	28	65412 16661	2	3	2-3-6	3	"	(5)	6.3	45	75	15411 21111	3	2	1-2-3	3
"		6.3	14	95	46612 65131	2	3	1-7-8-9	1	6FM7	(8)	6.3	30	30	11615 41121	3	3	4-5-6	6
6EV5		6.3	60	60	51214 36111	3	2	1-2-5-6	5	"	(0)	6.3	50	50	21514 61611	2	1	3-5-7	5
6EV7		6.3	20	10	11121 45111	3	3	6-7-8	6	6FM8		6.3	0	100	14112 11111	1	1	2-3	2
"		6.3	20	10	45121 11111	3	3	1-2-3	1	"		6.3	0	98	11112 41111	1	1	1-6	6
6EW6		6.3	75	82	51214 31111	3	2	1-2-5-7	5	"		6.3	77	85	66612 61541	1	3	7-8-9	9
6EW7		6.3	90	42	11121 45111	1	3	6-7-8	6	6FQ5		6.3	60	70	15214 16111	2	2	1-2-5	5
"		6.3	84	90	45621 11111	1	1	1-2-9	1	6FQ7		6.3	31	31	11121 45111	2	3	6-7-8	6
6EX6		6.3	35	50	12115 11314	3	2	3-5-8-C	C	"		6.3	31	31	45121 11111	2	3	1-2-3	1
6EZ5		6.3	60	40	61435 62111	3	2	3-4-5-8	3	6FR7		6.3	40	75	11121 45111	3	3	6-7-8	6
6EZ8		6.3	10	30	15412 66661	2	4	1-2-3	3	"		6.3	20	30	45621 11111	3	1	1-2-9	1
"		6.3	15	85	66612 45661	2	3	6	6	6FS5		6.3	54	20	51214 36111	2	3	1-2-5-6	5
"		6.3	15	75	66612 66451	2	3	8	8	6FV6		6.3	55	70	56214 31111	3	2	1-5-6-7	5
6F5		6.3	88	83	11141 12115	2	2	4-8-C	4	6FV8		6.3	60	85	66621 43151	3	2	6-7-8-9	6
6F6		6.3	75	75	61435 62111	2	2	3-4-5-8	3	"		6.3	60	70	54121 66661	2	2	1-2-3	2
6F10		6.3	13	87	61151 32411	4	2	4-5-6-8	8	6FW5		6.3	80	85	52114 11311	3	1	1-3-5-8	5
6F19		6.3	45	60	15621 14311	2	3	1-2-7-8	7	6FY5		6.3	7	70	65214 61666	2	3	2-5-7	5
6F21		6.3	25	70	51124 13111	3	3	1-2-5-7	5	6FY7	(0)	6.3	20	100	21514 11611	1	1	3-5-7	5
6F22		6.3	20	30	31121 41151	4	3	1-3-6-9	6	"	(6)	6.3	40	57	61541 12111	1	4	2-3-4	4
6F23		6.3	30	40	15612 14311	2	3	1-2-7-8	7	6G11	(0)	6.3	7	75	21511 43111	2	4	2-3-4-6-7	6
6F26		6.3	45	60	15621 14311	2	3	1-2-7-8	7	"	(6)	6.3	87	97	51342 11111	2	1	1-2-3-4	4
6F29	(0)	6.3	0	90	24111 66111	1	1	2-4	2	6GA7	(0)	6.3	70	60	23651 64661	3	1	2-4-5-7	7
"	(7)	6.3	45	60	61563 16214	2	1	2-3-5-C	C	"	(6)	6.3	0	75	16641 12111	2	1	1-4	4
6F30		6.3	11	100	15612 14311	2	2	1-2-7-8	7	6GB3		6.3	50	70	12135 11114	2	2	4-5-8-C	C
6F32		6.3	35	35	51214 36111	2	3	1-2-5-6	5	6GB5A		6.3	78	78	65121 36664	1	2	2-3-6-C	C
6F33		6.3	30	40	51214 31111	3	3	1-2-5-6	5	6GB6		6.3	91	80	11635 62114	2	1	4-5-8-C	C
6F35		6.3	7	78	51214 36111	1	4	1-2-5-6	5	6GB7		6.3	42	72	12135 11114	2	2	4-5-8-C	C
6FD6		6.3	25	25	51124 31111	2	3	1-5-6-7	5	6GB9		6.3	78	78	11635 62114	1	2	4-5-8-C	C
6FD7		6.3	50	60	11121 45111	3	3	6-7-8	6	6GC5		6.3	40	50	36512 61641	2	2	1-3-7-9	9
"		6.3	50	60	45621 11111	2	1	1-2-9	1	6GE5	(0)	6.3	60	84	23516 64661	2	1	2-3-4-7	7
6FE5		6.3	70	75	12435 11111	3	1	3-4-5-8	3	6GF5	(0)	6.3	50	70	23516 64661	3	1	2-3-4-7	7
6FG5		6.3	25	25	51214 36111	4	3	1-2-5-6	5	6GF7		6.3	27	95	11121 11451	2	3	1-8-9	8
6FG6		6.3	15	60	56121 44641	2	5	1-3-6-7-9	9	"		6.3	15	15	65121 41111	1	2	2-3-6	6
"		6.3	15	60	56121 43641	2	5	9	9	6GH8		6.3	80	89	65312 41661	2	2	2-3-6-7	6
6FG7		6.3	50	90	54112 66661	2	2	1-2-3	2	"		6.3	36	89	46612 66151	2	2	1-8-9	1
"		6.3	72	90	66112 43651	3	2	3-6-7-9	6	"		Good tube reads above 50.							
6FH5		6.3	10	45	65214 61666	2	3	2-5-7	5	6GJ5		6.3	55	95	35121 66164	2	1	1-2-3-C	C
6FH6		6.3	20	20	11635 62114	2	2	4-5-8	C	6GJ7		6.3	22	50	15612 43661	2	3	1-2-6-7	6
										"		6.3	22	50	16612 66451	2	2	1-8-9	8
										6GK5		6.3	30	90	15214 66111	2	2	1-2-5	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6GK6		6.3	25	45	15112 64361	3	2	1-2-7-8	7	6HD7		6.3	55	85	15621 43661	3	2	1-2-6-7	6
6GK17		6.3	0	75	66114 12111	2	1	3-5	5	"		6.3	92	92	16621 66451	2	2	1-8-9	8
6GL7		6.3	40	80	11154 12111	4	2	4-5-6	5	6HE5	(0)	6.3	40	35	25311 41661	3	2	2-3-4-6	6
"		6.3	7	35	54111 12111	1	2	1-2-3	2	6HE7	(0)	6.3	0	90	24111 66111	1	1	2-4	2
6GM5		6.3	100	90	36612 51641	3	1	1-6-7-9	9	"	(7)	6.3	45	60	61563 16214	2	1	2-3-5-C	C
6GM6		6.3	30	70	51214 36111	4	2	1-2-5-6	5	6HF5	(2)	6.3	70	75	21163 15664	3	1	5-6-7-C	C
6GM8		6.3	20	0	66621 45111	1	3	6-7-8	6			Cap goes to top of tube.							
"		6.3	20	0	45121 66611	1	3	1-2-3	1	6HF8		6.3	90	60	15412 66661	3	2	1-2-3	3
6GN8		6.3	55	25	15412 66661	1	4	1-2-3	1	"		6.3	70	70	66612 15341	2	2	6-7-8-9	9
"		6.3	75	50	66612 15341	2	2	6-7-8-9	9	6HG5		6.3	67	90	51214 36111	2	2	1-2-5-6	5
6GQ7		6.3	0	80	14621 11111	2	1	1-2	2	6HG8		6.3	18	10	15612 66431	3	3	1-2-8-9	8
"		6.3	0	80	11621 11411	2	1	8-9	8	"		6.3	93	80	16612 54661	1	2	1-6-7	7
"		6.3	0	80	11621 41111	2	1	6-7	6	6HJ5	(0)	6.3	70	70	21563 64161	2	1	2-3-5-7	7
6GS7		6.3	10	70	54112 66661	2	2	1-2-3	2	6HJ7		6.3	24	86	16621 16451	2	2	1-8-9	8
"		6.3	65	80	66112 43651	3	2	3-6-7-9	6	"		6.3	40	45	15621 43661	2	3	1-2-6-7	6
6GS8		6.3	40	50	13412 15661	2	4	1-2-3-7	3	6HJ8		6.3	0	10	66612 61461	1	2	7-8	8
"		6.3	40	50	13612 65411	2	4	1-2-7-8	8	"		6.3	70	70	15312 46611	3	2	1-2-3-6	6
6GT5		6.3	85	90	35121 66141	2	1	1-2-3-9	9	6HK5		6.3	25	80	51214 66111	2	2	1-2-5	5
6GU5		6.3	10	15	51214 36111	3	3	1-2-5-6	5	6HK8		6.3	50	70	11121 45111	2	2	6-7-8	6
6GU7		6.3	55	80	11121 45111	2	2	6-7-8	6	"		6.3	50	70	45121 11111	2	2	1-2-3	1
"		6.3	55	80	45121 11111	2	2	1-2-3	1	6HL5		6.3	30	30	56121 64631	2	2	1-3-7-9	7
6GV5	(4)	6.3	93	65	16112 13654	1	2	1-7-9-C	C	6HL8		6.3	55	60	46612 66151	3	2	1-8-9	1
"		Cap goes to top of tube.								"		6.3	65	85	65312 41661	3	2	2-3-6-7	6
6GV7		6.3	30	30	46121 66151	3	2	1-8-9	1	6HM5		6.3	90	96	51214 66111	1	2	1-2-5	5
"		6.3	70	75	63421 65161	3	2	2-3-7-8	3	6HM6		6.3	45	50	15621 14361	2	3	1-2-7-8	7
6GV8		6.3	15	60	66612 43151	1	3	6-7-8-9	6	6HQ5		6.3	20	95	51214 66111	2	2	1-2-5	5
"		6.3	15	80	45112 66661	4	2	1-2-3	1	6HR5		6.3	20	40	51124 36111	2	3	1-2-5-6	5
6GW6		6.3	7	75	11635 62114	3	1	4-5-8-C	C	6HR6		6.3	85	80	56124 31111	3	2	1-5-6-7	5
6GW8		6.3	47	47	66312 41561	3	2	3-6-7-8	6	6HS5	(0)	6.3	60	65	25316 64661	3	2	2-3-4-7	7
"		6.3	30	90	51612 66641	3	3	1-2-9	9	6HS6		6.3	25	40	51124 31111	2	3	1-5-6-7	5
6GX6		6.3	80	90	51214 31111	4	2	1-2-5-6	5	6HS8		6.3	53	55	13412 15661	2	4	1-2-3-7	3
6GX7		6.3	70	75	15621 43661	3	2	1-2-6-7	6	"		6.3	53	55	13612 65411	2	4	1-2-7-8	8
"		6.3	45	40	16621 66451	3	2	1-8-9	8	"		Good tube reads above 50.							
6GY6		6.3	80	90	51214 31111	4	2	1-2-5-6	5	6HT6		6.3	77	85	15612 64311	3	2	1-2-7-8	7
6GY8		6.3	7	35	66612 41661	3	3	6-7	6	6HU6		6.3	50	60	56121 44641	2	3	1-3-6-7-9	9
"		6.3	7	50	66512 66411	3	3	3-8-9	9	"		6.3	50	60	56121 43641	2	3	9	9
"		6.3	7	35	54612 66661	3	3	1-2	2	6HU8		6.3	55	55	35421 61661	3	2	1-2-3-6-7	3
6GZ5		6.3	60	60	15126 34111	3	2	1-2-6-7	7	"		6.3	55	55	66621 51431	3	2	6-7-8-9	8
6H6		6.3	90	70	61516 62111	3	3	3-4	3	6HV5	(0)	6.3	60	65	25316 64661	3	2	2-3-4-7	7
"		6.3	90	70	61665 62111	3	3	5-8	5	"									
6HA5		6.3	55	40	51214 66111	1	3	1-2-5	5	6HW8		6.3	70	70	34312 51431	3	3	*	2-8
6HA6		6.3	67	50	15121 34661	2	2	1-2-6-7	7	"		*1-2-3-6-8-9							
6HB6		6.3	50	50	15121 34661	2	2	1-2-6-7	7	6HZ5	(0)	6.3	38	38	25316 64661	2	3	2-3-4-7	7
6HB7		6.3	75	80	15621 43661	3	2	1-2-6-7	6	6HZ6		6.3	20	75	51214 31111	3	3	1-2-5-6	5
"		6.3	50	60	16621 66451	3	2	1-8-9	8	6HZ8		6.3	65	75	66621 15341	2	2	6-7-8-9	9
6HD5	(0)	6.3	65	70	21513 64661	2	1	3-4-5-7	7	"		6.3	30	50	15421 66661	2	3	1-2-3	3

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6J4		6.3	7	40	61126 54111	2	3	2-6-7	7	6JS6	(4)	6.3	65	65	66112 13654	2	1	6-7-8-9-C	C
6J5		6.3	88	20	61465 62111	1	3	3-5-8	3			Cap goes to top of tube.							
6J6		6.3	20	20	64125 61111	2	3	2-5-7	2	6JT6		6.3	58	75	35121 66641	1	2	1-2-3-9	9
"		6.3	20	20	46126 51111	2	3	1-6-7	1	6JT8		6.3	40	40	15412 66661	3	3	1-2-3	3
6J7		6.3	37	36	61431 62115	1	4	3-4-8-C	3	"		6.3	20	30	66612 15341	3	2	6-7-8-9	9
6J9		6.3	60	70	45121 11111	3	2	1-2-3	1	6JU6		6.3	100	98	65121 63164	1	1	2-3-7-C	C
"		6.3	60	70	11121 46651	3	2	6-9-10	6	6JU8		6.3	0	98	41121 11111	1	1	1-2	1
"		6.3	60	70	11121 65461	3	2	7-8-10	8	"		6.3	0	98	64121 11111	1	1	2-3	2
6J10	(6)	6.3	55	55	14151 12311	3	2	2-4-8-9	2	"		6.3	0	98	11121 14111	1	1	7-8	7
"	(0)	6.3	40	35	21141 35111	4	4	4-6-7-8	4	"		6.3	0	98	11121 16411	1	1	8-9	8
6J11	(0)	6.3	65	75	23465 11111	3	2	2-3-5-6	3	6JV8		6.3	65	65	66621 15341	3	2	6-7-8-9	9
"	(7)	6.3	65	75	31465 21111	3	2	1-2-3-5	3	"		6.3	60	80	15421 66661	3	2	1-2-3	3
6JA5	(0)	6.3	85	85	25316 46661	1	2	2-3-4-6	6	6JW8		6.3	62	85	41121 11151	3	2	1-8-9	1
6JA8		6.3	69	93	66612 15341	3	2	6-7-8-9	9	"		6.3	74	80	15321 41111	3	2	2-3-6-7	6
"		6.3	98	84	15412 66661	1	3	1-2-3	3	6JY8		6.3	50	60	15412 66661	3	2	1-2-3	3
6JB5	(0)	6.3	60	60	25311 41161	2	2	2-3-4-6	6	"		6.3	60	60	66612 15341	3	2	6-7-8-9	9
6JB6		6.3	35	55	65121 63164	4	1	2-3-7-C	C	6JZ6	(4)	6.3	30	70	61112 13654	3	1	6-7-9-C	C
6JC5	(0)	6.3	40	66	25311 41661	2	2	2-3-4-6	6	"		Cap goes to top of tube.							
6JC6		6.3	55	80	15621 14361	3	2	1-2-7-8	7	6JZ8	(0)	6.3	40	35	21141 56311	2	2	4-6-8-9	4
6JC8		6.3	68	18	15312 46661	3	3	1-2-3-6	6	"	(4)	6.3	70	70	51112 41111	3	2	1-2-6	6
"		6.3	26	96	66612 61541	2	2	7-8-9	9	6K6		6.3	50	75	61435 62111	3	2	3-4-5-8	3
6JD5	(0)	6.3	38	38	25316 64661	2	3	2-3-4-7	7	6K7		6.3	75	98	61431 62115	2	2	3-4-8-C	3
6JD6		6.3	70	70	15621 14361	3	2	1-2-7-8	7	6K8		6.3	7	81	11665 42111	2	3	5-6-8	6
6JE6		6.3	90	50	65121 63164	2	1	2-3-7-C	C	"		6.3	7	81	11435 62111	4	3	3-4-5-8	3
6JE8		6.3	20	20	15412 66661	3	3	1-2-3	3	6K11	(5)	6.3	25	25	54121 11111	2	3	1-2-9	2
"		6.3	60	60	66612 15341	3	2	6-7-8-9	9	"	(2)	6.3	40	40	11211 14151	3	3	7-8-9	7
6JF6		6.3	70	80	35121 66664	2	1	1-2-3-C	C	"	(3)	6.3	40	40	51124 11111	3	3	1-5-6	5
6JG5		6.3	78	50	66621 15341	2	2	6-7-8-9	9	6KA8		6.3	20	30	45121 61611	3	3	1-2-3	1
6JG6		6.3	40	40	35121 66641	3	1	1-2-3-9	9	"		6.3	20	30	66121 51341	3	3	3-6-8-9	9
6JH5	(0)	6.3	35	10	25316 64661	1	4	2-3-4-7	7	6KD6	(4)	6.3	7	23	16112 13154	1	2	6-7-9-C	C
6JH6		6.3	30	87	51214 31111	3	2	1-2-5-6	5	"		Cap goes to top of tube.							
6JH8		6.3	25	25	11421 51441	4	3	3-6-8-9	8-9	6KD8		6.3	50	60	46612 66151	3	2	1-8-9	1
6JK5	(0)	6.3	52	10	25316 64661	1	4	2-3-4-7	7	"		6.3	80	80	65312 41661	3	2	2-3-6-7	6
6JK6		6.3	18	85	51214 31111	2	2	1-2-5-6	5	6KE8		6.3	30	30	15321 41111	2	3	2-3-6-7	6
6JK8		6.3	55	59	45112 66611	3	2	1-2-3	1	"		6.3	50	80	41121 11151	2	2	1-8-9	1
"		6.3	53	100	66612 45111	1	3	6-7-8	6	6KG6A		6.3	50	35	56321 66614	2	1	1-3-9-C	C
6JL6		6.3	18	85	51214 31111	2	2	1-2-5-6	5	6KH8		6.3	0	45	45121 11131	2	4	1-2	1
6JM6	(3)	6.3	35	85	11121 36514	2	1	5-6-8-C	C	"		6.3	50	50	15421 11131	3	2	2-3-9	3
"		Cap go to top of tube								"		6.3	50	50	11121 51431	3	2	6-8-9	8
6JN6	(5)	6.3	90	72	16521 11364	2	1	3-7-8-C	C	6KL8		6.3	28	50	15121 34661	2	3	2-3-6-7	7
6JN8		6.3	44	80	66621 43151	3	2	6-7-8-9	6	"		6.3	0	40	11121 11461	1	3	8	8
"		6.3	23	80	54121 66661	2	2	1-2-3	2	6KM6		6.3	40	50	65121 63164	3	1	2-3-7-C	C
6JQ6		6.3	13	54	46321 65611	2	2	1-3-7-9	1	6KM8		6.3	40	35	11421 16661	1	3	3-6	3
6JR6		6.3	65	70	35121 66641	1	2	1-2-3-9	9	"		6.3	60	60	41621 15311	3	3	1-6-7-8	1
										"		6.3	60	60	14621 15311	3	3	2-5-8	2
										"		6.3	60	60	11621 15341	3	3	7-8-9	9

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6KN6	(2)	6.3	7	55	11213 65164	1	2	4-5-6-7-C	C	6LN8		6.3	35	70	46612 66151	2	2	1-8-9	1
6KN8		6.3	35	35	66612 45111	2	2	6-7-8	6	"		6.3	50	70	65312 41661	4	2	2-3-6-7	6
"		6.3	35	35	45112 66611	2	2	1-2-3	1	6LQ6		6.3	25	20	35121 66664	4	1	1-2-3-C	C
6KR8		6.3	25	40	66621 15341	3	2	6-7-8-9	9	6LQ8		6.3	50	64	15421 66661	3	2	1-2-3	3
"		6.3	70	75	15421 66661	2	2	1-2-3	3	"		6.3	35	35	66621 15341	3	2	6-7-8-9	9
6KS6		6.3	24	85	15213 14111	2	4	1-2-5-7	7	6LR6	(4)	6.3	50	30	66112 13654	1	2	6-7-8-9-C	C
6KT6		6.3	50	45	15621 14311	3	2	1-2-7-8	7	"		Cap goes to top of tube.							
6KT8		6.3	40	40	15421 11111	2	3	1-2-3	3	6LR8		6.3	82	85	65121 43111	2	1	2-3-6-7	6
"		6.3	30	30	11121 15341	2	3	6-7-8-9	9	"		6.3	72	45	11121 11451	1	3	1-8-9	8
6KU8		6.3	40	40	16512 66661	1	5	1-3	3	6LT8		6.3	70	75	13421 11151	3	2	1-2-3-9	3
"		6.3	40	40	15612 66661	1	5	1-2	2-3	"		6.3	70	97	63421 61651	2	6	6-7-8	6-8
"		6.3	80	75	66612 15341	3	2	6-7-8-9	9	6LU6		6.3	83	68	51214 31111	2	2	1-2-5-6	5
6KV6		6.3	65	65	35121 66141	2	1	1-2-3-9	9	6LU8	(0)	6.3	90	90	21141 56311	2	1	4-6-8-9	4
6KV8		6.3	30	30	15412 66661	3	3	1-2-3	3	"	(4)	6.3	70	70	51112 41111	2	2	1-2-6	6
"		6.3	50	55	66612 15341	3	2	6-7-8-9	9	6LV6	(2)	6.3	10	70	11213 15164	1	2	4-5-7-C	C
6KX8		6.3	55	70	51421 11111	3	3	1-2-3	3	6LX6	(4)	6.3	23	19	66112 13654	1	2	6-7-9-C	C
"		6.3	55	70	11121 14151	3	3	7-8-9	7	"		Cap goes to top of tube.							
6KY6		6.3	52	40	15621 64361	2	2	1-2-7-8	7	6LW6		6.3	60	50	61365 62114	2	1	2-3-5-C	C
6KY8		6.3	45	75	15121 45111	3	3	2-3-6-7	6	6LX8		6.3	70	70	41121 11151	3	2	1-8-9	1
"		6.3	85	90	11121 11451	3	2	1-8-9	8	"		6.3	37	37	15321 41111	2	3	2-3-6-7	6
6KZ8		6.3	25	94	46612 66151	2	2	1-8-9	1	6LY8		6.3	67	20	15412 66661	3	3	1-2-3	3
"		6.3	34	50	65112 43661	2	3	2-3-6-9	6	"		6.3	67	49	66612 15341	2	2	6-7-8-9	9
6L6		6.3	55	95	61435 62111	4	1	3-4-5-8	3	6LZ6		6.3	65	50	35121 66664	1	2	1-2-3-C	C
6L31		6.3	70	34	51124 36111	3	2	1-2-5-6	5	6M3		6.3	0	65	62416 16111	2	1	3-C	3
6LB6	(2)	6.3	83	60	11213 65164	1	2	4-5-7-C	C	6M11	(0)	6.3	70	50	21115 41111	3	2	4-5-6	6
"		Cap goes to top of tube.								"	(0)	6.3	70	50	21111 14511	3	2	7-8-9	7
6LB8		6.3	40	55	66621 15341	2	2	6-7-8-9	9	"	(4)	6.3	70	90	14211 53111	3	2	1-2-6-7	2
"		6.3	30	30	15421 66661	4	2	1-2-3	3	6MA6		6.3	95	98	66266 51114	3	3	6-7-C	C
6LC6		6.3	55	90	32665 11114	4	3	1-5-6-C	C	"		Good tube reads above 50.							
6LC8		6.3	80	70	45121 11111	3	2	1-2-3	1	6MB6	(5)	6.3	83	76	51321 11664	1	2	1-3-7-C	C
"		6.3	30	30	11121 51341	3	3	6-7-8-9	9	"		Cap goes to top of tube.							
6LD6		6.3	66	35	15621 34661	2	2	1-2-6-7	7	6MB8		6.3	40	42	66621 43151	2	3	6-7-8-9	6
"		Good tube reads above 50.								"		6.3	25	30	54121 66661	2	3	1-2-3	2
6LE8		6.3	20	29	41121 66351	2	3	1-3-8-9	1	6MC6		6.3	18	100	35121 66664	1	1	1-2-3-C	C
"		6.3	40	29	66121 41351	2	3	3-6-8-9	6	"		Cap goes to top of tube.							
6LF6	(2)	6.3	10	70	11213 15164	1	2	4-5-7-C	C	6MD8		6.3	40	40	66421 51661	3	2	3-6-7	3
6LF8		6.3	30	35	15412 66661	3	3	1-2-3	3	"		6.3	40	40	64621 61561	3	2	2-7-8	2
"		6.3	50	55	66612 15341	3	2	6-7-8-9	9	"		6.3	40	40	46621 61651	3	2	1-7-9	1
6LG6	(6)	6.3	7	70	15132 11164	2	1	2-3-4-C	C	6ME5		6.3	20	90	52124 11111	4	4	5	5
6LH6		6.3	55	90	32665 11114	4	3	1-5-6-C	C	"		6.3	20	70	54124 11111	4	4	5	5
6LJ6		6.3	40	42	62665 11114	4	4	6-C	C	"		6.3	15	100	54124 11111	4	3	2-5-7	2
6LJ8		6.3	40	85	54112 66661	2	2	1-2-3	2	6ME6		6.3	17	65	35121 66664	1	2	1-2-3-C	C
"		6.3	50	85	66112 43651	3	2	3-6-7-9	6	"		Cap goes to top of tube.							
6LM8		6.3	40	50	46612 66151	3	2	1-8-9	1	6ME8		6.3	42	15	33421 51441	3	3	*	8-9
"		6.3	50	65	65312 41661	3	2	2-3-6-7	6	"		*1-2-3-6-7-8-9							

TUBE	KEY#	FIL.	GR.	PL	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT		
6MF8	(0)	6.3	95	26	21141	56311	2	2	4-6-8-9	4	6RA9	6.3	93	55	15121	16141	1	2	1-2-9	9	
"	(4)	6.3	50	68	51112	41111	3	2	1-2-6	6	6RB11	6.3	95	90	31521	61141	1	2	1-3-7-9	9	
6MG8		6.3	30	30	15321	41111	3	3	2-3-6-7	6	6RHH2	6.3	50	70	11121	45111	2	2	6-7-8	6	
"		6.3	60	60	41121	11151	4	3	1-8-9	1	"	6.3	50	70	45121	11111	2	2	1-2-3	1	
6MH1		6.3	7	40	61126	54111	2	3	2-6-7	7	6RHH8	6.3	35	35	66612	45111	2	2	6-7-8	6	
6MH6	(2)	6.3	10	70	11213	15164	1	2	4-5-7-C	C	"	6.3	35	35	45112	66611	2	2	1-2-3	1	
6MHH3		6.3	45	60	64215	61111	3	2	2-5-7	2	6RK19	6.3	0	70	66621	66641	2	1	9-C	9	
"		6.3	45	60	46216	51111	3	2	1-6-7	1	6RP15	6.3	45	75	56121	64631	2	2	1-3-7-9	7	
6MJ6		6.3	90	50	65121	63164	2	1	2-3-7-C	C											
6MJ8	(0)	6.3	66	100	26161	41511	1	2	3-6-8	6	6RP22	6.3	50	95	15321	41661	3	2	1-2-3-6	6	
"	(4)	6.3	66	100	56112	61416	1	2	1-7-8	8	6S4	6.3	7	50	61512	66641	2	3	2-3-9	9	
"	(3)	6.3	66	100	51124	16165	1	2	1-5-6	5	6SA7	6.3	15	70	11435	12111	4	3	3-4-5-6	3	
6MK8		6.3	70	70	13412	15661	3	3	1-2-3-7	3	6SC7	6.3	20	28	14566	11211	3	4	2-3-6	2	
"		6.3	70	70	13612	65411	3	3	1-2-7-8	8	"	6.3	20	28	16654	11211	3	4	4-5-6	5	
6ML4		6.3	35	77	45211	66111	1	2	1-2-5	1	6SF5	6.3	68	50	11514	12111	2	3	2-3-5	5	
6ML8		6.3	70	72	46621	61651	2	2	1-7-9	1	6SG7	6.3	25	25	12156	31411	3	3	3-4-6-8	8	
"		6.3	70	72	64621	61561	2	2	2-7-8	2	6SH7	6.3	50	97	11156	32411	3	2	3-4-6-8	8	
"		6.3	70	72	66421	51661	2	2	3-6-7	3	6SJ7	6.3	55	55	61151	32411	2	3	4-5-8	8	
6MN8	(0)	6.3	40	90	26166	46511	2	2	3-6-8	6	6SK7	6.3	15	13	61151	32411	3	3	4-5-6-8	8	
"	(5)	6.3	40	90	66526	14161	2	2	3-7-8	7	6SL7	6.3	20	15	54111	12111	3	4	1-2-3	2	
"	(6)	6.3	40	90	66651	12416	2	2	4-8-9	8	"	6.3	20	15	11154	12111	3	4	4-5-6	5	
6MP17		6.3	95	20	51214	31111	2	2	1-2-5-6	5	6SN7	6.3	79	80	54111	12111	2	2	1-2-3	2	
											"	6.3	79	80	11154	12111	2	2	4-5-6	5	
6MP20		6.3	61	61	51124	36111	2	2	1-2-5-6	5	6SQ7	6.3	22	30	65166	42111	1	5	2-3-6	6	
6MQ8		6.3	75	60	41121	11151	2	2	1-8-9	1	"	6.3	22	15	65166	42111	4	6	4	4	
"		6.3	70	90	15321	41111	2	2	2-3-6-7	6	"	6.3	22	15	65166	42111	4	6	5	5	
6MU8		6.3	69	70	15312	41661	2	2	2-3-6-7	6											
"		6.3	60	70	41112	11151	2	2	1-8-9	1	6T1	6.3	77	77	45211	66111	1	2	1-2-5	1	
6MY8		6.3	70	85	15421	66661	2	2	1-2-3	3	6T8	6.3	50	50	56612	51661	3	5	1-7	1	
"		6.3	46	100	66621	15341	2	2	6-7-8-9	9	"	6.3	50	50	66612	61541	3	3	7-8-9	9	
6MX8		6.3	45	65	15121	45111	3	3	2-3-6-7	6	"	6.3	50	50	65112	66661	3	4	2-3	2	
"		6.3	68	90	11121	11451	3	2	1-8-9	8	"	6.3	50	50	56612	51661	3	5	6-7	6	
6MY8	(0)	6.3	85	86	21141	56311	2	1	4-6-8-9	4	6T9	(0)	6.3	30	50	24151	61111	3	3	2-4-5	2
											"	(8)	6.3	50	65	61513	41121	3	2	3-4-5-6	6
6N3		6.3	0	30	66121	66641	4	1	3-9	9	6T10	(0)	6.3	35	35	21511	34111	3	3	2-3-6-7	7
6N7		6.3	20	65	11456	62111	2	3	3-4-8	3	"	(6)	6.3	35	45	51341	12111	3	2	1-2-3-4	4
"		6.3	20	65	11665	42111	2	3	5-6-7-8	6	6U8		6.3	44	73	65312	41661	2	3	2-3-6-7	6
6PL12		6.3	70	85	56621	66141	3	2	1-8-9	9	"		6.3	55	90	46612	66151	2	2	1-8-9	1
"		6.3	35	55	61521	43661	2	2	2-3-6-7	6	6U9		6.3	50	50	16112	16145	1	3	1-9-C	9
6Q4		6.3	50	40	66121	15641	3	2	3-7-9	9	"		6.3	35	40	61512	14311	1	4	2-3-7-8	7
6Q7		6.3	44	45	61466	62115	2	3	3-8-C	3											
"		6.3	7	0	11466	12115	4	6	4-5	4-5	6U10	(5)	6.3	65	60	54121	11111	3	2	1-2-9	2
6Q11	(5)	6.3	60	60	54111	21111	3	2	1-2-9	2	"	(3)	6.3	65	60	52114	11111	3	2	1-5-6	5
"	(0)	6.3	50	50	21114	15611	3	3	5-6-7	5	"	(0)	6.3	60	40	21114	15111	3	3	5-6-7	5
"	(3)	6.3	50	50	51124	11111	3	3	1-5-6	5	6V3		6.3	0	75	13121	16161	4	1	2-C	2
6R3		6.3	0	35	66621	66641	3	1	9-C	9	6V4		6.3	0	85	46121	66111	2	1	1-3	1
6R4		6.3	50	55	51121	11411	2	2	1-3-8	8	"		6.3	0	85	66121	64111	2	1	3-7	7
6RA6		6.3	70	80	15621	66641	1	2	1-2-9	9	6V6		6.3	40	40	61435	62111	4	2	3-4-5-8	3

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT		
8CB11	(2)	9.0	70	85	11243	15111	3	2	4-5-8	4	8JV8		7.5	60	80	15412	66661	3	2	1-2-3	3
"	(8)	9.0	70	85	11435	11121	3	2	3-4-5-6	3	"		7.5	65	65	66612	15341	3	2	6-7-8-9	9
8CG7		7.5	67	67	11112	45111	2	3	6-7-8	6	8K11	(5)	7.5	25	25	54121	11111	2	3	1-2-9	2
"		7.5	67	67	45112	11111	2	3	1-2-3	1	"	(2)	7.5	41	41	11211	14151	3	3	7-8-9	7
8CM7		7.5	30	30	66112	45661	2	3	3-6-7	6	"	(3)	7.5	40	40	51124	11111	3	3	1-5-6	5
"		7.5	15	5	46612	66511	2	3	1-8-9	1	8KA8		7.5	16	92	66112	51341	2	3	3-6-8-9	9
8CN7		7.5	20	87	66612	15461	1	4	6-7-8	8	"		7.5	16	92	45112	66661	2	3	1-2-3	1
"		7.5	10	35	55112	66661	4	6	1-2-3	1-2	8KR8		7.5	25	40	66621	15341	3	2	6-7-8-9	9
8CS7		7.5	90	20	46512	66611	2	2	1-3-9	1	"		7.5	65	65	15421	66661	2	2	1-2-3	3
"		7.5	90	75	66612	45161	2	2	6-7-8	6	8LC8		9.0	80	70	45121	11111	3	2	1-2-3	1
8CS8		7.5	75	90	66612	45161	2	2	6-7-8	6	"		9.0	30	30	11121	51341	3	3	6-7-8-9	9
"		7.5	25	80	46512	66611	2	2	1-3-9	1	8LE8		7.5	20	29	41121	66351	2	3	1-3-8-9	1
"											"		7.5	40	29	66121	41351	2	3	3-6-8-9	6
8CW5		7.5	10	70	65112	64631	2	2	2-3-7-9	7	8LS8		7.5	56	79	15121	14361	2	2	1-2-3-7-8	7
8CX8		7.5	85	85	15412	66661	2	2	1-2-3	3	8LT8		7.5	70	75	13421	11151	3	2	1-2-3-9	3
"		7.5	75	75	66612	15341	2	2	6-7-8-9	9	"		7.5	70	97	63421	61651	2	6	7-6-8	6-8
8CY7		7.5	35	40	46512	66611	2	1	1-3-9	1	8LX8		7.5	70	70	41121	11151	3	2	1-8-9	1
"		7.5	20	40	66612	45161	2	4	6-7-8	6	"		7.5	37	37	15321	41111	2	3	2-3-6-7	6
8D5		6.3	45	60	51121	13411	3	3	1-3-7-8	8	8MD8		7.5	40	40	66421	51661	3	2	3-6-7	3
8D6		6.3	7	88	15612	14311	2	3	1-2-7-8	7	"		7.5	30	35	64621	61561	3	2	2-7-8	2
8D8		7.5	40	45	36121	46151	2	3	1-3-6-9	6	"		7.5	30	35	46621	61651	3	2	1-7-9	1
8DX8		7.5	30	55	54121	11111	2	3	1-2-3	2	8MU8		9.0	69	70	15312	41661	2	2	2-3-6-7	6
"		7.5	30	20	11121	41531	2	3	6-7-8-9	6	"		9.0	60	70	41112	11151	2	2	1-8-9	1
8EB8		7.5	14	62	66612	15341	3	2	6-7-8-9	9	8MV8		6.3	70	85	15421	66661	2	2	1-2-3	3
"		7.5	11	55	15412	66661	2	4	1-2-3	3	"		6.3	46	100	66621	15341	2	2	6-7-8-9	9
8EM5		9.0	25	25	31521	61641	3	2	1-3-7-9	9	8U9		7.5	50	50	16112	16145	1	3	1-9-C	9
8ET7		7.5	50	50	16512	66661	1	6	1-3	3	"		7.5	35	40	61512	14311	1	4	2-3-7-8	7
"		7.5	50	50	15612	66111	1	6	1-2	2	8X9		7.5	87	40	16112	16645	1	3	1-9-C	9
"		7.5	7	65	66612	15341	3	2	6-7-8-9	9	"		7.5	18	10	61512	14311	2	3	2-3-7-8	7
8FE5		6.3	70	75	12435	11111	3	1	3-4-5-8	3	9A8		9.0	30	70	15321	41111	2	3	2-3-6-7	6
8FQ7		7.5	67	67	11121	45111	1	3	6-7-8	6	"		9.0	30	85	41121	11151	2	2	1-8-9	1
"		7.5	67	67	45121	11111	1	3	1-2-3	1	9AH9	(0)	9.0	40	50	25411	11111	3	2	2-3-4	3
8FY7	(0)	7.5	20	100	21514	11611	1	1	3-5-7	5	"	(7)	9.0	70	50	13114	11215	2	2	1-2-5-6	5
"	(6)	7.5	40	57	61541	12111	1	4	2-3-4	4	9AK10	(0)	9.0	65	75	21114	15111	2	2	5-6-7	5
8GJ7		7.5	22	22	15612	43661	3	3	1-2-6-7	6	"	(6)	9.0	65	74	11152	11411	2	2	4-8-9	8
"		7.5	22	22	16612	66451	2	2	1-8-9	8	"	(8)	9.0	66	75	11154	12111	2	2	4-5-C	5
8GN8		7.5	55	25	15412	66661	1	4	1-2-3	3	9AM10	(0)	9.0	65	75	21114	15111	2	2	5-6-7	5
"		7.5	75	50	66612	15341	2	2	6-7-8-9	9	"	(6)	9.0	65	75	11152	11411	2	2	4-8-9	8
8GU7		7.5	50	80	11121	45111	2	2	6-7-8	6	"	(8)	9.0	65	75	11154	12111	2	2	4-5-C	5
"		7.5	50	80	45121	11111	2	2	1-2-3	1	9AQ8		9.0	7	97	45121	45111	3	2	*	1-6
8GX7		7.5	70	75	15621	43661	3	2	1-2-6-7	6	"		*1-2-3-6-7-8								
"		7.5	45	40	16612	66451	3	2	1-8-9	8	9AU7		9.0	95	100	45121	11161	1	2	1-2-3	1
8JE8		7.5	20	20	15412	66661	3	3	1-2-3	3	"		9.0	95	100	11121	45161	1	2	6-7-8	6
"		7.5	60	60	66612	15341	3	2	6-7-8-9	9	9BJ11	(0)	9.0	45	20	24311	51111	2	3	2-3-5-6	2
8JK8		7.5	30	30	66612	45111	2	3	6-7-8	6	"	(7)	9.0	10	55	41315	21111	3	3	1-3-4-5	1
"		7.5	55	55	45112	66611	3	2	1-2-3	1	9BR7		9.0	90	90	66612	55161	3	3	6-7-8	6-7
8JU8		7.5	10	30	65121	16511	2	6	2-3-8-9	2-8	"		9.0	75	75	45112	66661	3	2	1-2-3	1
"		7.5	12	30	51121	15111	2	6	1-2-7-8	1-7											

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
9CL8		9.0	30	35	54121 11111	3	2	1-2-3	2	10C8		9.0	7	95	66612 43511	2	3	6-7-8-9	6
"		9.0	70	90	11121 43151	3	2	6-7-8-9	6	"		9.0	7	90	45112 66661	2	3	1-2-3	1
9DK3		9.0	0	55	14621 66661	2	1	2-C	2	10CW5		9.0	25	35	65121 64631	2	2	2-3-7-9	7
9EA8		9.0	75	65	46612 66151	2	2	1-8-9	1	10DE7		9.0	70	70	11121 45111	3	2	6-7-8	6
"		9.0	60	80	65312 41661	3	2	2-3-6-7	6	"		9.0	40	40	45621 11111	3	1	1-2-9	1
9ED4▲		9.0	60	15	16621 66564	4	5	1-8-C	C	10DR7		9.0	28	28	11121 45111	4	3	6-7-8	6
9GH8		9.0	20	40	65312 41661	2	3	2-3-6-7	6	"		9.0	28	28	45621 11111	1	2	1-2-9	1
"		9.0	10	12	46612 66151	2	3	1-8-9	1	10DX8		9.0	30	55	54121 11111	2	3	1-2-3	2
9GV7		9.0	30	30	46121 66151	3	2	1-8-9	1	"		9.0	30	20	11121 41531	2	3	6-7-8-9	6
"		9.0	70	75	63421 65161	3	2	2-3-7-8	3	10EB8		9.0	14	62	66612 15341	3	2	6-7-8-9	9
9GV8		9.0	65	60	45121 11111	3	2	1-2-3	1	"		9.0	11	55	15412 66661	2	4	1-2-3	3
"		9.0	50	45	11121 43151	2	2	6-7-8-9	6	10EG7		9.0	60	70	54111 12111	2	1	1-2-3	2
9JW8		9.0	30	20	41121 11151	3	3	1-8-9	1	"		9.0	60	70	11154 12111	3	2	4-5-6	5
"		9.0	30	40	15321 41111	3	3	2-3-6-7	6	10EM7		9.0	55	55	11154 12111	2	3	4-5-6	5
9KC6		9.0	55	55	15121 14131	3	2	1-2-7-9	7	"		9.0	55	55	54111 12111	2	1	1-2-3	2
9KG6▲		9.0	50	50	56321 66614	2	1	1-3-9-C	C	10EW7		9.0	90	42	11121 45111	1	3	6-7-8	6
9KX6		9.0	45	50	15112 64361	2	2	1-2-7-8	7	"		9.0	84	90	45621 11111	1	1	1-2-9	1
9KZ8		9.0	25	94	46612 66151	2	2	1-8-9	1	10GK6		9.0	25	45	15112 64361	3	2	1-2-7-8	7
"		9.0	34	50	65112 43661	2	3	2-3-6-7	6	10GN8		9.0	55	25	15412 66661	1	4	1-2-3	3
9LA6		9.0	40	60	15112 64361	2	2	1-2-7-8	7	"		9.0	75	50	66612 15341	2	2	6-7-8-9	9
9MD8		9.0	40	40	66421 51661	3	2	3-6-7	3	10GV8		9.0	60	75	45121 11111	3	2	1-2-3	1
"		9.0	40	40	64621 61561	3	2	2-7-8	2	"		9.0	35	60	11121 43151	2	2	6-7-8-9	6
"		9.0	40	40	46621 61651	3	2	1-7-9	1	10HF8		9.0	90	60	15412 66661	3	2	1-2-3	3
9MHH3		9.0	12	100	46216 51111	2	2	1-6-7	1	"		9.0	70	70	66612 15341	2	2	6-7-8-9	9
"		9.0	12	100	64215 61111	2	2	2-5-7	2	10JA5	(0)	9.0	85	85	25316 46661	1	2	2-3-4-6	6
9ML8		9.0	70	72	46621 61651	2	2	1-7-9	1	10JA8		9.0	70	70	15412 66661	3	2	1-2-3	3
"		9.0	70	72	64621 61561	2	2	2-7-8	2	"		9.0	50	60	66612 15341	2	3	6-7-8-9	9
"		9.0	70	72	66421 51661	2	2	3-6-7	3	10JT8		9.0	42	50	15412 66661	3	3	1-2-3	3
9MN8	(0)	9.0	40	90	26166 46511	2	2	3-6-8	6	"		9.0	47	30	66612 15341	3	2	6-7-8-9	9
"	(5)	9.0	40	90	66526 14161	2	2	3-7-8	7	10JY8		9.0	40	45	15412 66661	3	2	1-2-3	3
"	(6)	9.0	40	90	66651 12416	2	2	4-8-9	8	"		9.0	60	60	66612 15341	3	2	6-7-8-9	9
9MP12		9.0	75	78	51214 36111	2	2	1-2-5-6	5	10KR8		9.0	25	40	66621 15341	3	2	6-7-8-9	9
9RA6		9.0	70	80	15621 66641	1	2	1-2-9	9	"		9.0	70	75	15421 66661	2	2	1-2-3	3
9RAL1		9.0	30	45	46521 11111	2	2	1-3-9	1	10L14		25	90	100	66621 45111	1	2	6-7-8	6
"		9.0	50	70	11121 45111	3	2	6-7-8	6	"		25	90	100	45121 66611	1	2	1-2-3	1
9U8		9.0	44	73	65312 41661	2	3	2-3-6-7	6	10LB8		9.0	40	55	66621 15341	2	2	6-7-8-9	9
"		9.0	55	90	46612 66151	2	2	1-8-9	1	"		9.0	30	30	15421 66661	4	2	1-2-3	3
9V9■		9.0	65	65	11532 14111	1	4	1-3-4-7	7	10LD6		9.0	66	35	15621 34661	2	2	1-2-6-7	7
"		9.0	55	55	11112 11514	1	3	8-9-C	C	"		Good tube reads above 50.							
9X8		9.0	20	30	16621 15341	3	3	6-7-8-9	9	10LE8		9.0	20	29	41121 66351	2	3	1-3-8-9	1
"		9.0	20	90	15421 16611	2	2	2-3	3	"		9.0	40	29	66121 41351	2	3	3-6-8-9	6
10AF11	(5)	9.0	65	50	13521 14111	2	2	1-2-3-7	7	10LM8		9.0	40	50	46612 66151	3	2	1-8-9	1
"	(0)	9.0	94	100	21111 51411	1	2	5-6-8	8	"		9.0	65	65	65312 41661	3	2	2-3-6-7	6
"	(0)	9.0	88	40	21541 11111	1	3	3-4-7	4	10LW8		9.0	85	96	15412 66661	2	3	1-2-3	3
10AL11	(6)	9.0	84	28	51342 11111	3	2	1-2-3-4	4	"		9.0	65	70	66612 15341	2	3	6-7-8-9	9
"	(0)	9.0	8	75	21511 43111	2	4	2-3-4-6-7	6	10LY8		9.0	60	20	15412 66661	3	3	1-2-3	3
10BQ5		9.0	60	95	65121 64631	4	1	2-3-7-9	7	"		9.0	37	49	66612 15341	2	2	6-7-8-9	9

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
10LZ8		9.0	60	70	15412 66661	1	3	1-2-3	3	11Y9		9.0	85	80	51342 11111	1	3	1-2-3-4	4
"		9.0	20	89	66612 15341	2	2	6-7-8-9	9	"		9.0	60	60	11112 11534	1	3	7-8-9-C	C
10P18		50	80	85	65121 64631	3	1	2-3-7-9	7	12AB5		12.6	20	35	36512 61641	2	3	1-3-7-9	9
10T10	(0)	9.0	35	70	21511 34111	3	3	2-3-6-7	7	12AC6		12.6	62	38	51124 31111	1	4	1-5-6-7	5
"	(6)	9.0	30	60	51341 12111	3	2	1-2-3-4	4	12AC10	(5)	12.6	90	12	54121 11111	1	3	1-2-9	2
10Z10	(6)	9.0	95	20	14151 12311	2	2	2-4-8-9	2	"	(3)	12.6	90	12	52114 11111	1	3	1-5-6	5
"	(0)	9.0	60	70	21141 35111	2	4	4-6-7-8	4	"	(0)	12.6	90	12	21114 15611	1	3	5-6-7	5
11AF9		9.0	75	75	51342 11111	2	2	1-2-3-4	4	12AD6		12.6	7	85	51214 31111	1	4	1-2-5-6-7	5
"		9.0	75	75	11112 11534	2	2	7-8-9-C	C	12AE6		12.6	45	90	11215 51111	2	6	5-6	5-6
11AR11	(7)	12.6	34	34	14351 11211	2	3	2-3-4-5	2	"		12.6	7	45	51216 64111	1	4	1-2-7	7
"	(0)	12.6	30	30	24315 11111	2	3	2-3-5-6	2	12AE10	(0)	12.6	55	70	21511 34111	3	3	2-3-6-7	7
11BM8		9.0	82	77	51121 11141	1	3	1-8-9	9	"	(8)	12.6	20	25	11513 41121	3	2	3-4-5-6	6
"		9.0	68	20	11521 43111	2	2	2-3-6-7	6	12AF3		12.6	0	98	66621 66641	1	1	9-C	9
11BQ11	(0)	12.6	40	30	24315 11111	2	3	2-3-5-6	2	12AF6		12.6	7	80	51214 31111	1	4	1-5-6-7	5
"	(6)	12.6	40	30	43511 12111	2	3	1-2-3-4	1	12AF11	(5)	12.6	65	50	13521 14111	2	2	1-2-3-7	7
11BT11	(0)	9.0	70	72	21511 11141	3	2	3-4-9	9	"	(0)	12.6	94	100	21111 51411	1	2	5-6-8	8
"	(0)	9.0	70	72	21115 14111	3	2	5-6-7	7	"	(0)	12.6	88	40	21541 11111	1	3	3-4-7	4
"	(7)	9.0	70	72	11135 11241	2	2	2-4-5-9	9	12AJ6		12.6	40	90	11215 51111	2	6	5-6	5-6
11C5	12.6	23	90	15216 34111	3	1	1-2-6-7	7	"		12.6	40	80	51216 64111	1	4	1-2-7	7	
11CA11	(0)	9.0	11	50	21141 51111	2	3	4-5-6	4	12AJ7		12.6	55	70	35121 46661	3	3	2-3-6	6
"	(0)	9.0	20	50	24511 11111	2	3	2-3-7	2	"		12.6	55	60	11121 11451	3	2	8-9	8
"	(8)	9.0	60	54	11513 42111	2	2	3-4-5-6	6	12AL5		12.6	0	98	16211 14111	1	1	1-7	7
11CF11	(0)	9.0	70	40	21435 11111	2	2	3-4-5-6	3	"		12.6	0	98	14211 16111	1	1	2-5	2
"	(5)	9.0	82	40	11511 24111	1	3	3-7-C	7	12AL8		12.6	10	10	46612 66511	1	4	1-8-9	1
"	(6)	9.0	97	40	15412 11111	1	3	1-2-3	3	"		12.6	27	65	63512 41661	1	4	2-3-6-7	6
11CH11	(0)	9.0	65	70	21511 11141	2	2	3-4-9	9	12AL11	(0)	6.3	45	40	21516 43111	3	3	2-6-7	6
"	(0)	9.0	75	80	21115 14111	2	2	5-6-7	7	"	(8)	6.3	55	60	11513 41121	3	2	3-4-5-6	6
"	(7)	9.0	65	62	11135 11241	2	2	2-4-5-9	9	12AQ5		12.6	70	34	51124 36111	3	2	1-2-5-6	5
11CY7	12.6	20	40	66612 45161	2	4	6-7-8	6	12AT6		12.6	67	36	11215 51111	2	6	5-6	5-6	
"	12.6	35	40	46512 66611	2	1	1-3-9	1	"		12.6	13	93	51216 64111	1	4	1-2-7	7	
11DS5	9.0	55	75	51214 36111	1	3	1-2-5-6	5	12AT7		12.6	60	85	66612 45161	1	3	6-7-8	6	
11FY7	(0)	9.0	70	75	21514 11611	2	1	3-5-7	5	"		12.6	70	90	45112 66661	2	2	1-2-3	1
"	(6)	9.0	42	55	61541 12111	3	3	2-3-4	4	12AU6		12.6	70	89	51124 31111	3	2	1-5-6-7	5
11HM7	12.6	11	11	15121 64311	3	2	1-2-7-8	7	12AU7		12.6	95	100	45121 11161	1	2	1-2-3	1	
11JE8	12.6	20	20	15412 66661	3	3	1-2-3	3	"		12.6	95	100	11121 45161	1	2	6-7-8	6	
"	12.6	60	60	66612 15341	3	2	6-7-8-9	9	12AU8		12.6	80	80	15412 66661	2	2	1-2-3	3	
11KV8	9.0	75	85	15412 66661	3	2	1-2-3	3	"		12.6	80	80	66612 15341	2	2	6-7-8-9	9	
"	9.0	50	65	66612 15341	2	2	6-7-8-9	9	12AV5		12.6	10	80	51114 12311	4	1	1-3-5-8	5	
11LQ8	9.0	50	64	15421 66661	3	2	1-2-3	3	12AV6		12.6	25	85	51216 64111	3	3	1-2-7	7	
"	9.0	35	35	66621 15341	3	2	6-7-8-9	9	"		12.6	25	14	51216 64111	4	6	2-5-6	5-6	
11LT8	9.0	70	75	13421 11151	3	2	1-2-3-9	3	12AV7		12.6	30	60	45121 11161	3	2	1-2-3	1	
"	9.0	70	97	63421 61651	2	6	6-7-8	6-8	"		12.6	30	60	11121 45161	3	2	6-7-8	6	
11LY6	9.0	70	74	15121 14311	2	2	1-2-7	7	12AW6		12.6	19	30	51214 31111	3	3	1-2-5-6	5	
11MS8	9.0	80	50	45121 11111	1	3	1-2-3	1	12AX3	(0)	12.6	0	80	21141 11111	2	1	4-7	4	
"	9.0	17	17	11121 43151	2	2	6-7-8-9	6	12AX4		12.6	0	100	66114 12111	1	1	3-5	5	
11R3	12.6	0	35	66621 66641	3	1	9-C	9	12AX7		12.6	37	75	45112 66661	2	3	1-2-3	1	
										"		12.6	40	76	66612 45161	2	3	6-7-8	6

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
12AY3		12.6	0	25	66621 64611	3	1	7-9	7	12CU5		12.6	23	90	15216 34111	3	1	1-2-6-7	7
12AY7		12.6	16	98	45112 66661	3	3	1-2-3	1	12CU6		12.6	20	80	11635 62114	4	1	4-5-8-C	C
"		12.6	16	98	66612 45161	3	3	6-7-8	6	12D4		12.6	0	75	66164 62111	2	1	3-5	5
12AZ7		12.6	25	95	45121 11161	3	2	1-2-3	1	12DB5		12.6	15	95	31512 61641	3	1	1-3-6-9	9
"		12.6	25	95	11121 45161	3	2	6-7-8	6	12DE8		12.6	0	30	61412 66661	1	2	2-3	3
12B4		12.6	30	30	15612 16141	1	2	1-2-9	9	"		12.6	7	68	56612 41311	1	4	1-6-8-9	6
12BA6		12.6	75	75	51214 31111	3	2	1-5-6-7	5	12DF5		12.6	0	27	41112 61611	2	2	1-3	1
12BA7		12.6	20	90	35121 15141	2	3	1-2-3-9	9	"		12.6	0	27	61612 41111	2	2	6-8	6
12BB14▲		12.6	8	94	56121 36614	1	2	1-3-6-C	C	12DK6		12.6	65	85	51214 31111	3	2	1-2-5-6	5
12BE3	(0)	12.6	0	75	21141 11111	2	1	4-7	4	12DK7		12.6	7	35	61612 56651	1	4	2-6-9	6-9
12BE6		12.6	30	96	51214 31111	2	3	1-2-5-7	5	"		12.6	7	17	51312 64661	1	4	1-2-3-7	7
12BF6		12.6	85	90	11215 51111	3	4	5-6	5-6	12DL8		12.6	7	95	66666 66151	1	3	8-9	9
"		12.6	85	90	51216 64111	2	2	1-2-7	7	"		12.6	7	95	56612 66161	1	3	1-8	1
12BF11	(2)	12.6	45	50	11215 11341	3	3	4-5-8-9	9	"		12.6	7	45	61512 43661	1	2	2-3-6-7	6
"	(6)	12.6	45	50	51341 12111	2	2	1-2-3-4	4	12DM4		12.6	0	75	66114 11211	2	1	3-5	5
12BH7		12.6	88	94	66612 45161	1	2	6-7-8	6	12DM7		12.6	25	35	45121 11161	2	4	1-2-3	1
"		12.6	88	94	45112 66661	1	2	1-2-3	1	"		12.6	25	35	11121 45161	2	4	6-7-8	6
12BL6		12.6	7	60	51124 31111	1	4	1-5-6-7	5	12DQ6		12.6	78	78	11635 62114	1	2	4-5-8-C	C
12BN7		12.6	25	75	15123 14111	2	4	1-2-5-7	7	12DQ7		12.6	7	65	15112 14311	4	2	1-2-7-8	7
12BQ8		12.6	85	80	12635 61114	2	1	4-5-8-C	C	12DS7		12.6	60	59	66612 66151	2	5	8-9	9
12BR3		12.6	0	70	66621 66641	2	1	9-C	C	"		12.6	60	59	56612 66161	2	5	1-8	1
12BR7		12.6	90	90	66612 55161	3	3	6-7-8	6-7	"		12.6	7	85	61512 43161	1	4	3-6-8	6
"		12.6	75	75	45112 66661	3	2	1-2-3	1	12DT5		12.6	7	25	36512 61641	2	3	1-3-7-9	9
12BT3	(0)	12.6	0	75	21141 11111	2	1	4-7	4	12DT6		12.6	8	60	51214 31111	2	4	1-2-5-6	5
12BV7		12.6	55	55	15121 64111	3	2	1-2-7-8	7	12DT7		12.6	50	65	45121 11161	3	3	1-2-3	1
12BV11	(0)	12.6	40	40	21431 51111	3	3	3-4-5-6	3	"		12.6	50	65	11121 45161	3	3	6-7-8	6
"	(7)	12.6	40	40	51341 11211	3	3	1-2-3-4	4	12DT8		12.6	7	83	45112 66611	2	3	1-2-3	1
12BW4		12.6	0	84	46612 66611	3	1	1-9	1	"		12.6	7	83	66612 45111	2	3	6-7-8	6
"		12.6	0	84	66612 64611	3	1	7-9	7	12DV7		12.6	65	90	15521 66661	2	5	1-2-3	2-3
12BY3		12.6	0	65	66621 66641	2	1	9-C	9	"		12.6	20	20	66621 35161	1	5	6-7-8	6
12BY7		12.6	45	45	15121 64311	3	2	1-2-7-8	7	12DV8		12.6	15	65	61512 43661	3	3	2-3-6-7	6
12BZ6		12.6	40	85	51214 31111	3	2	1-2-5-6	5	"		12.6	20	60	56612 66151	4	6	1-8-9	1-9
"		12.6								"		12.6	15	65	61512 43661	3	3	2-3-6-7	6
12BZ7		12.6	7	60	45112 66661	2	4	1-2-3	1	12DW4		12.6	0	95	66621 64611	1	1	7-9	7
"		12.6	7	60	66612 45161	2	4	6-7-8	6	12DW6		12.6	40	65	11635 62114	3	1	4-5-8-C	C
12C5		12.6	23	90	15216 34111	3	1	1-2-6-7	7	12DZ6		12.6	30	60	51124 31111	1	3	1-5-6-7	5
12CA4		12.6	0	70	46121 66111	2	1	1-3	1	12DZ7		12.6	20	90	51436 62111	2	2	1-3-4-8	3
"		12.6	0	70	66121 64111	2	1	3-7	7	"		12.6	20	90	61635 42111	2	2	4-5-6-8	6
12CA5		12.6	19	5	15126 34111	4	2	1-2-6-7	7	12E13		6.3	88	98	11435 12111	2	1	3-4-5-8	3
12CK3		12.6	0	65	64621 66611	2	1	2-9	2	12EA6		12.6	30	60	51124 31111	1	3	1-5-6-7	5
12CL3		12.6	0	25	66621 64611	3	1	7-9	7	12ED5		12.6	7	30	15126 34111	3	2	1-2-6-7	7
12CM6		12.6	45	25	36512 61641	4	2	1-3-7-9	9	12EH5		12.6	47	47	15126 34111	2	2	1-2-6-7	7
12CR6		12.6	15	0	16214 35111	4	6	1-2	2	12EK6		12.6	55	55	51124 31111	1	3	1-5-6-7	5
"		12.6	22	0	16124 35111	4	3	1-5-6-7	5	12EN6		12.6	7	94	61435 62111	4	1	3-4-5-8	3
12CT3		12.6	0	93	64621 66611	1	1	2-9	2	12EQ7		12.6	0	40	11121 11461	1	3	8	8
12CT8		12.6	30	30	66612 43511	2	3	6-7-8-9	6	"		12.6	30	40	15121 34661	2	3	2-3-6-7	7
"		12.6	35	35	45112 66661	2	3	1-2-3	1										

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
12F8		12.6	60	60	56612 51661	3	5	1-6-7	1-6
"		12.6	42	42	63412 61511	2	3	2-3-7-8	3
12FK6		12.6	35	70	51216 64111	2	2	1-2-7	7
"		12.6	45	75	11215 51111	4	4	5-6	5-6
12FM6		12.6	35	40	51216 64111	1	3	1-2-7	7
"		12.6	70	65	11215 51111	2	5	5-6	5-6
12FQ7		12.6	31	31	11121 45111	2	3	6-7-8	6
"		12.6	31	31	45121 11111	2	3	1-2-3	1
12FQ8		12.6	70	65	45421 66611	3	3	1-2-3-9	1-3
"		12.6	70	65	66621 45411	3	3	6-7-8-9	6-8
12FR8		12.6	20	30	61612 66361	1	4	2-8	8
"		12.6	45	45	51612 66641	1	3	1-2-9	9
"		12.6	40	90	66512 34661	1	2	3-6-7	7
12FV7		12.6	35	35	45121 11161	2	2	1-2-3	1
"		12.6	35	35	11121 45161	2	2	6-7-8	6
12FX5		12.6	55	60	15126 34111	2	2	1-2-6-7	7
12FX8		12.6	35	40	35412 61611	1	4	1-2-3-7	3
"		12.6	15	55	66612 56461	1	3	6-8	6
12GB3		12.6	80	80	11635 62114	2	1	4-5-8-C	C
12GB7		12.6	40	72	12135 11114	2	2	4-5-8-C	C
12GC6		12.6	80	77	11135 12614	2	1	3-4-5-C	C
12GJ5		12.6	55	95	35121 66161	2	1	1-2-3-C	C
12GN7		12.6	85	85	15621 64361	3	1	1-2-7-8	7
12GT5		12.6	40	75	35121 66141	3	1	1-2-3-9	9
12GV5	(4)	12.6	93	65	16112 13654	1	2	1-7-9-C	C
"		Cap goes to top of tube.							
12GW6		12.6	40	65	11635 62114	3	1	4-5-8-C	C
12HB25A		12.6	65	78	56121 36114	2	1	1-6-9-C	C
12HE7	(0)	12.6	0	90	24111 66111	1	1	2-4	2
"	(7)	12.6	45	60	61563 16214	2	1	2-3-5-C	C
12HG7		12.6	55	65	15121 64361	2	2	1-2-7-8	7
12HL5		12.6	35	35	56121 64631	2	2	1-3-7-9	7
12HL7		12.6	45	45	15112 14311	2	2	1-2-7-8	7
12HU8		12.6	70	70	35421 61661	2	2	1-2-3-6-7	3
"		12.6	70	70	66621 51431	2	2	6-7-8-9	8
12JB6		12.6	15	70	65121 63164	4	1	2-3-7-C	C
12JF5	(5)	12.6	80	80	66621 13514	1	2	7-8-9-C	C
"		Cap goes to top of tube.							
12JM6	(3)	12.6	83	85	11121 36514	2	1	5-6-8-C	C
"		Cap goes to top of tube.							
12JN6	(5)	12.6	90	72	16521 11364	2	1	3-7-8-C	C
12JN8		12.6	44	80	66621 43151	3	2	6-7-8-9	6
"		12.6	23	80	54121 66661	2	2	1-2-3	2
12JQ6		12.6	15	55	46321 65611	2	2	1-3-7-9	1
12JS6	(4)	12.6	48	48	66112 13654	1	2	6-7-8-9-C	C
"		Cap goes to top of tube.							

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
12JT6		12.6	58	75	35121 66641	1	2	1-2-3-9	9
12K5		12.6	40	40	13125 64111	2	3	1-2-5-7	7
12KG6A		12.6	50	35	56321 66614	2	1	1-3-9-C	C
12KL8		12.6	45	53	15121 34661	2	3	2-3-6-7	7
"		12.6	0	35	11121 11411	1	3	8	8
12MD8		12.6	40	40	66421 51661	3	2	3-6-7	3
"		12.6	40	40	64621 61561	3	2	2-7-8	2
"		12.6	40	40	46621 61651	3	2	1-7-9	1
12ML8		12.6	70	72	46621 61651	2	2	1-7-9	1
"		12.6	70	72	64621 61561	2	2	2-7-8	2
"		12.6	70	72	66421 51661	2	2	3-6-7	3
12MX8		12.6	45	65	15121 45111	3	3	2-3-6-7	6
"		12.6	68	90	11121 11451	3	2	1-8-9	8
12R5		12.6	32	32	15216 34111	2	2	1-2-6-7	7
12RK19		12.6	0	100	66612 66641	1	1	9-C	9
12RL13		12.6	30	60	45121 11161	3	2	1-2-3	1
"		12.6	30	60	11121 45161	3	2	6-7-8	6
12SA7		12.6	7	70	11435 12111	4	3	3-4-5-6	3
12SC7		12.6	20	28	14566 11211	3	4	2-3-6	2
"		12.6	20	28	16654 11211	3	4	4-5-6	5
12SJ7		12.6	14	5	61151 32411	2	4	4-5-6-8	8
12SK7		12.6	15	13	61151 32411	3	3	4-5-6-8	8
12SL7		12.6	20	15	54111 12111	3	4	1-2-3	2
"		12.6	20	15	11154 12111	3	4	4-5-6	5
12SN7		12.6	20	95	54111 12111	3	2	1-2-3	2
"		12.6	20	95	11154 12111	3	2	4-5-6	5
12SQ7		12.6	22	30	65166 42111	1	5	2-3-6	6
"		12.6	22	15	65166 42111	4	6	4	4
"		12.6	22	15	65166 42111	4	6	5	5
12T10	(0)	12.6	35	35	21511 34111	3	3	2-3-6-7	7
"	(6)	12.6	35	45	51341 12111	3	2	1-2-3-4	4
12W6		12.6	15	90	61435 62111	4	1	3-4-5-8	3
12X4		12.6	0	90	41121 61111	2	1	1-7	1
"		12.6	0	90	61121 41111	2	1	6-7	6
13CM5		12.6	65	80	62635 11114	3	1	5-8-C	C
13DE7		12.6	70	33	45621 11111	1	2	1-2-9	1
"		12.6	11	70	11121 45111	2	3	6-7-8	6
13DR7		12.6	28	28	11121 45111	4	3	6-7-8	6
"		12.6	28	28	45621 11111	1	2	1-2-9	1
13EM7		12.6	55	55	11154 12111	2	3	4-5-6	5
"		12.6	55	55	54111 12111	2	1	1-2-3	2
13FD7		12.6	10	40	45621 11111	1	2	1-2-9	1
"		12.6	60	65	11121 45111	2	3	6-7-8	6
13FM7	(8)	12.6	30	30	11615 41121	3	3	4-5-6	6
"	(0)	12.6	50	50	21514 61611	2	1	3-5-7	5
13GB5A		12.6	78	78	65121 36664	1	2	2-3-6-C	C

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
13GF7		12.6	27	95	11121 11451	2	3	1-8-9	8	15KY8		12.6	60	65	15121 45111	3	3	2-3-6-7	6
"		12.6	15	15	65121 41111	1	2	2-3-6	6	"		12.6	75	90	11121 11451	3	2	1-8-9	8
13J10	(6)	12.6	55	55	14151 12311	3	2	2-4-8-9	2	15LE8		12.6	20	29	41121 66351	2	3	1-3-8-9	1
"	(0)	12.6	40	35	21141 35111	4	4	4-6-7-8	4	"		12.6	40	29	41351 41351	2	3	3-6-8-9	6
13JZ8	(0)	12.6	87	92	21141 65311	2	1	4-7-8-9	4	15MF8	(0)	12.6	95	26	21141 56311	2	2	4-6-8-9	4
"	(4)	12.6	67	67	51211 41111	1	3	1-2-6	6	"	(4)	12.6	50	68	51112 41111	3	2	1-2-6	6
13V10	(0)	12.6	52	50	21511 34111	3	3	2-3-6-7	7	15MX8		12.6	45	65	15121 45111	3	3	2-3-6-7	6
"	(8)	12.6	20	20	11513 41121	3	2	3-4-5-6	6	"		12.6	68	90	11121 11451	3	2	1-8-9	8
13Z10	(6)	12.6	55	55	14151 12311	3	2	2-4-8-9	2	16A5		19	55	55	65121 64631	2	2	2-3-7-9	7
"	(0)	12.6	50	85	21141 35111	2	4	4-6-7-8	4	16A8		12.6	20	20	56621 66141	2	4	1-8-9	9
14BL11	(0)	12.6	62	78	21511 11141	3	2	3-4-9	9	"		12.6	15	15	61521 43661	3	2	2-3-6-7	6
"	(0)	12.6	60	75	21115 14111	3	2	5-6-7	7	16AK9	(8)	7.5	66	66	21665 41111	1	3	2-5-6	6
"	(7)	12.6	40	50	11145 11241	3	2	2-4-5-9	9	"	(8)	7.5	66	66	21536 61111	1	3	2-3-4	4
14BR11	(0)	12.6	85	65	21111 41511	2	2	5-6-8	6	"	(0)	7.5	66	66	14516 21661	1	3	2-3-7	2
"	(7)	12.6	38	18	11451 11211	2	3	1-3-4	3	16AQ3		12.6	0	30	66621 66641	4	1	9-C	9
"	(3)	12.6	90	18	41125 31111	1	3	1-5-6-7	1	16BQ11	(0)	12.6	45	35	24315 11111	2	3	2-3-5-6	2
14F7		12.6	60	40	11456 66211	3	3	2-3-4	3	"	(6)	12.6	47	37	43511 12111	2	3	1-2-3-4	1
"		12.6	60	40	16665 41211	3	3	5-6-7	6	16BX11	(0)	12.6	71	51	21115 41111	3	2	4-5-6	6
14GT8		12.6	25	35	66612 61541	2	4	7-8-9	9	"	(0)	12.6	71	51	21111 14511	3	2	7-8-9	7
"		12.6	0	25	16612 46661	1	2	1-6	6	"	(4)	12.6	70	80	14211 53111	3	2	1-2-6-7	2
"		12.6	0	25	64112 66661	1	2	2-3	2	16CB28	(4)	12.6	67	67	16112 13154	1	2	6-7-9-C	C
14GW8		12.6	47	47	66312 41561	3	2	3-6-7-8	6	16GK6		12.6	25	45	15112 64361	3	2	1-2-7-8	7
"		12.6	30	90	51612 66641	3	3	1-2-9	9	16GY5	(2)	19	11	0	21163 15664	1	3	5-6-7-C	C
14JG8		12.6	55	55	66612 61541	3	3	7-8-9	9	"		Cap goes to top of tube.							
"		12.6	0	75	16612 46661	2	1	1-6	6	16HB5	(0)	12.6	80	64	23516 64661	2	1	2-3-4-7	7
"		12.6	0	75	64112 66661	2	1	2-3	2	16KA6	(4)	12.6	66	66	16112 13154	1	2	1-7-8-C	C
14N7		12.6	30	30	16665 41211	2	3	5-6-7	6	16KH8		12.6	0	45	45121 11131	2	4	1-2	1
"		12.6	30	30	11456 66211	2	3	2-3-4	3	"		12.6	50	50	15421 11131	3	2	2-3-9	3
15AF11	(5)	12.6	65	50	13521 14111	2	2	1-2-3-7	7	"		12.6	50	50	11121 51431	3	2	6-8-9	8
"	(0)	12.6	94	100	21111 51411	1	2	5-6-8	8	16LD6		12.6	66	35	15621 34661	2	2	1-2-6-7	7
"	(0)	12.6	88	40	21541 11111	1	3	3-4-7	4			Good tube reads above 50.							
15BD11	(5)	12.6	47	85	13521 14111	2	2	1-2-3-7	7	16LU8	(0)	12.6	85	85	21141 56311	2	1	4-6-8-9	4
"	(0)	12.6	59	90	21541 11111	2	2	3-4-7	4	"	(4)	12.6	70	70	51112 41111	2	2	1-2-6	6
"	(0)	12.6	59	90	21111 51411	2	2	5-6-8	8	16MY8	(0)	12.6	85	86	21141 56311	2	1	4-6-8-9	4
15CW5		12.6	30	40	65121 64631	2	2	2-3-7-9	7	"	(4)	12.6	70	70	51112 41111	2	2	1-2-6	6
15DQ8		12.6	45	50	54121 11111	2	3	1-2-3	2	16Y9		12.6	85	80	51342 11111	1	3	1-2-3-4	4
"		12.6	65	70	11121 41531	3	2	6-7-8-9	6	"		12.6	60	60	11112 11534	1	3	7-8-9-C	C
15EA7		12.6	30	60	11154 12111	3	3	4-5-6	5	17A8		12.6	13	85	41121 11151	2	2	1-8-9	1
"		12.6	20	40	54111 12111	3	1	1-2-3	2	"		12.6	25	70	15321 41111	2	3	2-3-6-7	6
15EW7		12.6	90	42	11121 45111	1	3	6-7-8	6	17AB10	(0)	19	39	73	21141 35161	3	3	4-6-7-8	4
"		12.6	84	90	45621 11111	1	1	1-2-9	1	"	(3)	19	83	20	51123 11114	2	2	1-5-6-C	C
15FM7	(8)	12.6	30	30	11615 41121	3	3	4-5-6	6	17AX3	(0)	19	0	80	21141 11111	2	1	4-7	4
"	(0)	12.6	50	50	21514 61611	2	1	3-5-7	5	17AX4		19	0	100	66114 12111	1	1	3-5	5
15FY7	(0)	12.6	20	100	21514 11611	1	1	3-5-7	5	17AY3		19	0	25	66621 64611	3	1	7-9	7
"	(6)	12.6	40	57	61541 12111	1	4	2-3-4	4	17BB14		19	8	94	36121 36614	1	2	1-3-6-C	C
15HA6		12.6	55	50	15121 34661	2	2	1-2-6-7	7	17BE3	(0)	19	0	75	21141 11111	2	1	4-7	4
15HB6		12.6	50	50	15121 34661	2	2	1-2-6-7	7										

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
17BF11	(6)	19	76	14	51341 12111	2	2	1-2-3-4	4	17KV6		19	40	40	35121 66141	3	1	1-2-3-9	9
"	(0)	19		7 88	21511 34111	2	4	2-3-6-7	7	17LD8		12.6	62	62	15121 45111	3	3	2-3-6-7	6
17BH3		19		0 75	66621 64611	2	1	7-9	7	"		12.6	85	70	11121 11451	3	2	1-8-9	8
17BQ6		19	85	80	12635 61164	2	1	4-5-8-C	C	17RHH2		19	60	80	66612 45111	3	2	6-7-8	6
17BR3		12.6		0 75	66621 66641	2	1	9-C	9	"		19	60	45	45112 66611	3	2	1-2-3	1
17BS3		19		0 80	64121 66611	2	1	2-9	2	17RK19		12.6		0 63	66621 66641	2	1	9-C	9
17BW3	(7)	12.6		0 67	11141 11211	2	1	1-4	4	17X10	(0)	19	40	92	21141 35161	3	3	4-6-7-8	4
17BZ3	(0)	12.6		0 65	21146 61661	2	1	4-7	4	"	(3)	19	83	20	51123 11114	2	2	1-5-6-C	C
17C5		19	23	90	15216 34111	3	1	1-2-6-7	7	17Y9		12.6	80	70	51342 11111	2	2	1-2-3-4	4
17C8		19		0 30	66112 66561	2	3	3-8	8	"		12.6	80	30	11112 11534	2	2	7-8-9-C	C
"		19		0 30	66112 65661	2	3	3-7	7	17Z3		12.6		0 75	66621 66641	2	1	9-C	9
17C9		19	20	65	35112 46611	2	3	1-2-3-6	6	18AJ10	(2)	19	55	55	21115 11341	1	4	4-5-8-9	9
"		19	36	15	53421 11111	2	3	1-2-3-C	3	"	(6)	19	92	30	51342 11111	2	2	1-2-3-4	4
17CK3		19	36	15	11121 15341	2	3	6-7-8-9	9	18FW6		19	45	50	51214 31111	2	3	1-5-6-7	5
17CL3		19		0 65	64621 66611	2	1	2-9	2	18FX6		19	15	10	51214 31111	2	4	1-2-5-7	5
17CT3		12.6		0 93	64621 66611	1	1	2-9	2	18FY6		19	50	55	51216 64111	2	3	1-2-7	7
17CU5		19	23	90	15216 34111	3	1	1-2-6-7	7	"		19	60	65	11215 51111	4	4	5-6	5-6
17D4		19		0 75	66114 11211	2	1	3-5	5	18GB5A		19	78	78	65121 36664	1	2	2-3-6-C	C
17DE4		19		0 80	66114 11211	2	1	3-5	5	18GD6		19	70	70	51124 31111	2	3	1-5-6-7	5
17DM4		19		0 75	66111 11211	2	1	3-5	5	18GV8		19	61	70	45121 11111	1	3	1-2-3	1
17DQ6		19	7	70	11635 62114	4	1	4-5-8-C	C	"		19	87	87	11121 43151	1	2	6-7-8-9	6
17DW4		19		0 95	66621 64611	1	1	7-9	7	18RAL1		19	40	30	45621 66611	2	2	1-2-9	1
17EW8		19		60 80	66612 45111	3	2	6-7-8	6	"		19	65	85	66621 45161	2	2	6-7-8	6
"		19	60	45	45112 66611	3	2	1-2-3	1	19A3		6.3		0 95	11114 21111	1	1	5-7	5
17GJ5		19	55	95	35121 66164	2	1	1-2-3-C	C	19AU4		19		0 62	66114 11211	1	2	3-5	5
17GT5		19	80	90	35121 66141	2	1	1-2-3-9	9	19CG3	(0)	19		0 90	21146 61661	1	1	4-7	4
17GV5	(4)	19	93	65	16112 13654	1	2	1-7-9-C	C	19CL8		19		30 35	54121 11111	3	2	1-2-3	2
"		Cap goes to top of tube.								"		19		70 90	11121 43151	3	2	6-7-8-9	6
17GW6		19	65	65	11635 62114	3	1	4-5-8-C	C	19DE3	(7)	19		0 91	11141 21111	1	1	4-C	4
17HB25A		12.6	60	60	56121 36114	3	1	1-6-9-C	C	"		Cap goes to top of tube.							
17JB6		19	94	83	35121 66164	1	3	1-2-3-8-C	C	19DK3		19		0 55	14621 66661	2	1	2-C	2
17JF6		12.6	55	65	35121 66664	1	2	1-2-3-C	C	19DQ3	(0)	10		0 60	21146 61661	2	1	4-7	4
17JG6		19	40	40	35121 66641	3	1	1-2-3-9	9	19EA8		19		75 65	46612 66151	2	2	1-8-9	1
17JK8		19	30	30	66612 45111	2	3	6-7-8	6	"		19		60 80	65312 41661	3	2	2-3-6-7	6
"		19	55	55	45112 66611	3	2	1-2-3	1	19EZ8		19		75 70	15421 11111	3	2	1-2-3	3
17JM6	(3)	19	35	85	11121 36514	2	1	5-6-8-C	C	"		19		60 60	11124 51111	2	2	5-6	5
"		Cap goes to top of tube.								"		19		60 60	11121 11451	2	2	8-9	8
17JN6	(5)	12.6	90	72	16511 21364	2	1	3-7-8-C	C	19FL8		19		85 87	35121 46611	2	2	1-2-3-6	6
17JQ6		12.6	15	55	46321 65611	2	2	1-3-7-9	1	"		19		0 93	66121 64661	1	2	3-7	7
17JR6		12.6	65	70	35121 66641	1	2	1-2-3-9	9	"		19		0 100	66121 64661	1	2	3-8	8
17JT6		19	58	75	35121 66641	1	2	1-2-3-9	9	19FX5		19		55 60	15126 34111	2	2	1-2-6-7	7
17JZ8	(0)	19	40	35	21141 56311	2	2	4-6-8-9	4	19GQ7		19		50 50	66612 66511	1	5	8-9	8
"	(4)	19	70	70	51112 41111	3	2	1-2-6	6	"		19		50 50	66612 51661	1	5	6-7	6
										"		19		50 50	15612 66661	1	5	1-2	2
										19HR6		19		20 40	51124 31111	2	3	1-5-6-7	5
										19HS6		19		35 35	51124 31111	2	3	1-5-6-7	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
19HV8	19		7	81	54112 66661	2	4	1-2-3	2	21LU8	(0)	19	90	90	21141 56311	2	1	4-6-8-9	4
"	19		70	80	66612 43151	3	2	6-7-8-9	6	"	(4)	19	70	70	51112 41111	2	2	1-2-6	6
19J6	19		20	20	64125 61111	2	3	2-5-7	2	21MY8	(0)	19	85	85	21141 56311	2	1	4-6-8-9	4
"	19		20	20	46126 51111	2	3	1-6-7	1	"	(4)	19	70	70	51112 41111	2	2	1-2-6	6
19JN8	19		44	80	66621 43151	3	2	6-7-8-9	6	22BH3	19		0	80	66621 64611	2	1	7-9	7
"	19		23	80	54121 66661	2	2	1-2-3	2	22BW3	(0)	19	0	75	21146 61661	2	1	4-7	4
19KF6A	19		27	80	56121 36641	2	1	1-3-6-9	9	22DE4	19		0	80	66114 11211	2	1	3-5	5
19KG8	19		70	80	45121 11111	2	2	1-2-3	1	22JF6	19		72	72	65121 63164	2	1	2-3-7-C	C
"	19		45	50	11121 43151	2	3	6-7-8-9	6	"	Cap goes to top of tube.								
19MR9	19		30	40	51214 31111	2	3	1-5-6-7	5	22JG6	19		40	70	35121 66641	3	1	1-2-3-9	9
19Q9	19		80	80	53421 11111	3	2	1-2-3-10	3	22JR6	19		65	70	35121 66641	1	2	1-2-3-9	9
"	19		70	75	11121 11541	2	2	7-8-9	9	22JU6	19		100	98	65121 63164	1	1	2-3-7-C	C
19T8	19		50	50	56612 51661	3	5	1-7	1	22KM6	19		50	65	65121 63164	2	1	2-3-7-C	C
"	19		50	50	66612 61541	3	3	7-8-9	9	22KV6	19		60	65	35121 66141	2	1	1-2-3-9	9
"	19		50	50	65112 66661	3	4	2-3	2	23JS6	(4)	25	48	48	66112 13654	1	2	6-7-8-9-C	C
"	19		50	50	56612 51661	3	5	6-7	6	"	Cap goes to top of tube.								
19X8	19		20	30	16621 15341	3	3	6-7-8-9	9	23MB6	(5)	19	83	76	51321 11664	1	2	1-3-7-C	C
"	19		20	90	15421 16611	2	2	2-3	3	"	Cap goes to top of tube.								
19Y3	19		0	80	66121 66641	2	1	3-9	9	23Z9	(0)	19	60	65	24511 61661	3	2	2-3-7	2
20AQ3	19		0	85	66612 66641	1	1	9-C	9	"	(8)	19	60	65	61665 42111	3	2	2-5-6	6
20D4	6.3		92	92	35121 43661	2	2	1-2-3-6-7	6	"	(0)	19	35	35	26614 61531	2	2	5-7-8-9	5
"	6.3		76	76	35121 43451	1	3	8-9	8	24AX4	25		0	32	66114 12111	3	1	3-5	5
20EW7	19		90	42	11121 45111	1	3	6-7-8	6	24BF11	(0)	25	52	50	21511 34111	3	3	2-3-6-7	7
"	19		84	90	45621 11111	1	1	1-2-9	1	"	(6)	25	41	35	51341 12111	2	2	1-2-3-4	4
20EZ7	19		40	60	21615 41111	3	3	4-5-6	6	24JE6	25		55	55	65121 63164	1	2	2-3-7-C	C
"	19		40	60	21611 14511	3	3	7-8-9	7	24JZ8	(0)	25	40	35	21141 56311	2	2	4-6-8-9	4
20LF6	(2)	19	10	70	11213 15164	1	2	4-5-7-C	C	"	(4)	25	70	70	51112 41111	3	2	1-2-6	6
21A6	19		61	93	65121 66314	2	1	2-3-C	C	24LQ6	25		65	65	35121 66664	1	2	1-2-3-C	C
21EX6	19		50	70	12115 11314	3	1	3-5-8-C	C	24LZ6	25		65	50	35121 66664	1	2	1-2-3-C	C
21GY5	(2)	19	11	0	21163 15664	1	3	5-6-7-C	C	25AV5	25		10	80	51114 12311	4	1	1-3-5-6	5
"	Cap goes to top of tube.									25AX4	25		0	100	66114 12111	1	1	3-5	5
21HA6	19		67	50	15121 34661	2	2	1-2-6-7	7	25BB14A	25		8	94	56121 36614	1	2	1-3-6-C	C
21HB5	(0)	19	80	64	23516 64661	2	1	2-3-4-7	7	25BQ6	25		85	80	12635 61114	2	1	4-5-8-C	C
21HJ5	(0)	19	70	70	21563 64161	2	1	2-3-5-7	7	25C5	25		23	90	15216 34111	3	1	1-2-6-7	7
21JS6	(4)	19	48	48	66112 13654	1	2	6-7-8-9-C	C	25CA5	25		25	25	15216 34111	3	2	1-2-6-7	7
"	Cap goes to top of tube.									25CD6	25		85	76	12115 11314	2	1	3-5-8-C	C
21JV6	(5)	19	97	95	66511 21364	1	1	3-7-8-C	C	25CG3	(0)	25	0	90	21146 61661	1	1	4-7	4
21JZ6	(4)	19	30	70	61112 13654	3	1	6-7-9-C	C	25CM3	25		0	90	64621 66611	1	1	2-9	2
"	Cap goes to top of tube.									25CT3	25		0	93	64621 66611	1	1	2-9	2
21KA6	(4)	19	66	66	16112 13154	1	2	1-7-8-C	C	25CU6	25		80	84	11635 62114	2	1	3-4-8-C	C
21KQ6A	19		53	53	56321 66614	1	2	1-3-9-C	C	25DK3	25		0	55	14621 66661	2	1	2-3	2
21LG6	(6)	19	7	70	15132 11164	2	1	2-3-4-C	C	25DK4	25		0	70	11214 61111	2	1	5-7	5
"	Cap goes to top of tube.									25DL3	25		0	54	64621 66661	2	1	2-C	2
21LR8	19		25	25	65121 43111	2	2	2-3-6-7	6	25DN6	25		71	62	12115 11314	4	1	3-5-8-C	C
"	19		70	73	11121 11451	3	2	1-8-9	8	25E5	25		55	10	62635 11114	2	2	4-5-6-8	C
										25EC6	25		54	50	12115 11314	3	1	3-5-8-C	C

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
25EH5	25	47	47	15126	34111	2	2	1-2-6-7	7	30MP23	25	83	84	15216	34111	2	1	1-2-6-7	7
25F5	25	65	65	15216	34111	2	2	1-2-6-7	7	30MP27	25	83	85	15216	34111	2	1	1-2-6-7	7
25GB6	25	91	80	11635	62114	2	1	4-5-8-C	C	30PL12	12.6	20	20	56621	66141	2	4	1-8-9	9
25HX5A	25	75	75	51621	36641	1	2	1-2-6-9	9	"	12.6	15	15	61521	43661	3	2	2-3-6-7	6
25JQ6	25	15	55	46321	65611	2	2	1-3-7-9	1	31AL10	(0) 19	90	94	16643	21511	1	2	4-5-7-8	4
25JZ8	(0) 25	40	35	21141	56311	2	2	4-6-8-9	4	"	(0) 19	43	75	14516	21611	1	3	2-3-7	2
"	(4) 25	70	70	51112	41111	3	2	1-2-6	6	"	(6) 19	49	81	14151	11112	1	3	2-3-4	2
25KA6	(4) 12.6	66	66	16112	13154	1	2	1-7-8-C	C	31JS6	(4) 25	48	48	66112	13654	1	2	6-7-8-9-C	C
25L6	25	45	45	61435	62111	2	2	3-4-5-8	3	"	Cap goes to top of tube.								
25MP20	25	61	61	51124	36111	2	2	1-2-5-6	5	31LQ6	25	65	65	35121	66664	1	2	1-2-3-C	C
25RK19	25	0	63	66621	66641	2	1	9-C	9	31LR8	25	82	85	65121	43111	2	1	2-3-6-7	6
25W4	25	0	40	66114	11211	3	1	3-5	5	"	25	72	45	11121	11451	1	3	1-8-9	8
26AQ8	25	90	100	66621	45111	1	2	6-7-8	6	31LZ6	25	65	50	35121	66664	1	2	1-2-3-C	C
"	25	90	100	45121	66611	1	2	1-2-3	1	32A8	25	70	85	56621	66141	3	2	1-8-9	9
26DQ5	25	55	55	52136	61614	2	1	1-3-4-C	C	"	25	35	55	61521	43661	2	2	2-3-6-7	6
26HU5	25	40	50	51316	62114	2	1	1-2-C	C	32ET5	35	60	60	15216	34111	2	2	1-2-6-7	7
26HV5	(0) 25	60	65	25316	64661	3	2	2-3-4-7	7	32HQ7	(7) 25	90	80	21513	11114	2	1	2-3-5-C	C
26LW6	25	60	50	61365	62114	2	1	2-3-5-C	C	"	(0) 25	0	70	14111	12111	2	1	2-4	2
26LX6	(4) 25	23	19	66112	13654	1	2	6-7-9-C	C	33GT7	(9) 35	7	98	41215	36111	2	1	1-4-5-7	1
"	Cap goes to top of tube.									"	(0) 35	0	10	24111	11111	3	1	2-4	2
27GB5A	25	78	78	65121	36664	1	2	2-3-6-C	C	33GY7	(0) 35	0	60	24116	16661	2	1	2-4	2
27KG6A	25	50	50	56321	66614	2	1	1-3-9-C	C	"	(7) 35	75	75	61563	11214	2	1	2-3-5-C	C
27LF6	(2) 25	10	70	11213	15164	1	2	4-5-7-C	C	33HE7	(0) 25	0	90	24111	66111	1	1	2-4	2
28GB5A	25	78	78	65121	36664	1	2	2-3-6-C	C	"	(7) 25	45	60	61563	16214	2	1	2-3-5-C	C
28HA6	25	60	50	15121	34661	2	2	1-2-6-7	7	33JR6	25	62	62	35121	66641	3	1	1-2-3-9	9
29GK6	25	25	45	15112	64361	3	2	1-2-7-8	7	33JV6	(5) 35	97	95	66511	21364	1	1	3-7-8-C	C
29KQ6A	25	30	75	56321	66614	2	1	1-3-9-C	C	34CD3	(0) 35	0	59	21146	61661	2	1	4-7	4
29LE6A	25	44	44	56321	66614	1	2	1-3-9-C	C	34CE3	(0) 35	0	55	26646	61661	2	1	4-7	4
30A5	25	30	40	15216	34111	2	2	1-2-6-7	7	34CM3	35	0	90	64621	66611	1	1	2-9	2
30AE3	25	0	35	66621	66641	3	2	9-C	9	34DK3	35	0	55	14621	66661	2	1	2-C	2
30AG11	(0) 25	0	100	21411	11111	1	1	2-3	3	34GD5	35	70	70	15216	34111	2	2	1-2-6-7	7
"	(0) 25	74	40	21115	41111	1	3	4-5-6	6	34R3	35	0	65	66612	66641	2	1	9-C	9
"	(0) 25	71	40	21111	14511	1	3	7-8-9	7	35C5	35	23	90	15126	34111	3	1	1-2-6-7	7
"	(8) 25	0	100	11114	11121	1	1	5-6	5	35DZ8	35	7	90	56612	66141	2	4	1-8-9	9
30C18	7.5	30	30	46121	66151	3	2	1-8-9	1	"	35	7	90	61512	43661	2	2	2-3-6-7	6
"	7.5	70	75	63421	65161	3	2	2-3-7-8	3	35EH5	35	47	47	15126	34111	2	2	1-2-6-7	7
30HJ5	(0) 25	70	70	21563	64161	2	1	2-3-5-7	7	35GL6	35	25	35	15213	64111	2	2	1-2-5-7	7
30JZ6	(4) 25	30	70	61112	13654	3	1	6-7-9-C	C	35L6	35	45	45	61435	62111	2	2	3-4-5-8	3
"	Cap goes to top of tube.									35LR6	(4) 35	43	30	66112	13654	1	2	6-7-8-9-C	C
30KD6	(4) 25	93	80	16112	13154	1	1	6-7-9-C	C	"	Cap goes to top of tube.								
"	Cap goes to top of tube.									35W4	35	0	65	11124	61111	1	1	5-7	5
30KG6A	25	50	35	56321	66614	2	1	1-3-9-C	C	"	Good tube reads above 40.								
30LW6	25	60	50	61365	62114	2	1	2-3-5-C	C	35Y4	35	0	40	14161	11211	4	1	2-7	2
30MB6	(5) 25	83	76	51321	11664	1	2	1-3-7-C	C	35Z4	35	0	40	16664	62111	4	1	5-8	5
"	Cap goes to top of tube.									35Z5	35	0	95	12614	11111	1	1	5-8	5
										36AM3	35	0	25	11214	61111	3	1	5-7	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
36KD6	(4)	35	7	23	16112 13154	1	2	6-7-9-C	C	403B		6.3	35	30	51214 36111	2	3	1-2-5-6	5
"					Cap goes to top of tube.					407		35	85	90	21546 11111	2	2	2-3-4	4
36LW6		35	60	50	61365 62114	2	1	2-3-5-C	C	"		35	85	90	21116 45111	2	2	6-7-8	6
36MC6		35	18	100	35121 66664	1	1	1-2-3-C	C	807		6.3	25	30	23511 11114	3	2	2-3-4-C	C
"					Cap goes to top of tube.					866		2.5	0	70	21111 11113	4	1	C	C
38HE7	(0)	35	0	90	24111 66161	1	1	2-4	2	TJ880		6.3	30	30	15112 64361	2	2	1-2-7-8	7
"	(7)	35	45	60	61563 16214	2	1	2-3-5-C	C	1274		6.3	0	84	61614 12111	4	1	5-8	5
"					Good tube reads above 45.					"		6.3	0	84	61416 12111	4	1	3-8	3
38HK7	(7)	35	60	60	61563 16214	2	1	2-3-5-C	C										
"	(0)	35	0	55	24111 66161	2	1	2-4	2	1280		12.6	7	50	14311 51211	2	4	2-3-6-7	2
40FR5		35	50	60	15126 34111	2	2	1-2-6-7	7	1611		6.3	45	75	12435 11111	3	2	3-4-5-8	3
										1612		6.3	7	72	11431 12111	4	3	3-4-8-C	3
40KD6	(4)	35	7	23	16112 13154	1	2	6-7-9-C	C	1628		12.6	15	15	12415 11111	3	2	3-5-8	3
"					Cap goes to top of tube.					1629		12.6	23	65	12445 11111	4	3	3-4-5-8	3
40KG6▲		35	50	20	56321 66614	2	1	1-3-9-C	C	"		12.6	23	65	12145 11111	4	3	3	3
42EC4▲		35	0	55	16121 16411	2	1	8-C	8	2050		6.3	0	40	11616 32111	1	3	6-8	6
42KN6	(2)	35	7	55	11213 65164	1	2	4-5-6-7-C	C										
45B5		50	80	85	65121 64631	3	1	2-3-7-9	7	5636		6.3	7	83	51114 23611	2	4	1-2-3-7	5
50B5		50	7	65	51124 36111	2	2	1-2-5-6	5	5642		1.25	0	100	11111 11214	1	3	C	C
										5651		6.3	0	60	41666 66111	2	3	1	1
50BM8		50	45	70	66612 66141	2	3	1-8-9	9	5654		6.3	22	60	51214 36111	2	3	1-2-5-6	5
"		50	30	65	51512 43661	2	2	2-3-6-7	6	5663		6.3	0	100	11213 14111	1	1	1-7	7
50C5		50	23	90	15216 34111	3	1	1-2-6-7	7	5670		6.3	30	30	21541 45111	2	3	*	4-6
50DC4		50	0	70	11124 61111	2	1	5-7	5	"					*2-3-4-6-7-8				
50EH5		50	47	47	15126 34111	2	2	1-2-6-7	7										
50FE5		50	70	75	12435 11111	3	1	3-4-5-8	3	5686		6.3	40	75	15621 34661	3	2	1-2-6-7	7
50FK5		50	7	45	15126 34111	3	2	1-2-6-7	7	5687		12.6	20	95	45112 66661	1	2	1-2-3	1
										"		12.6	30	95	66612 15641	1	2	6-7-9	9
50FY8		50	30	70	61521 43661	4	1	2-3-6-7	6	5692		6.3	15	60	54111 12111	3	2	1-2-3	2
"		50	30	40	56621 66141	1	4	1-8-9	9	"		6.3	15	60	11154 12111	3	2	4-5-6	5
50GY7	(4)	50	0	95	11112 41111	1	1	6-8	6	5693		6.3	20	5	61151 32411	2	4	4-5-6-8	8
"	(4)	50	67	67	53112 11141	1	2	1-2-9-C	9	5696		6.3	0	85	51123 46111	1	1	1-2-5-6	6
50HC6		50	35	60	15213 64111	2	2	1-2-5-7	7	5725		6.3	22	65	51214 31111	2	3	1-2-5-6	5
50HK6		50	30	25	15213 64111	2	2	1-2-5-7	7										
50HN5		50	35	35	56121 64631	2	2	1-3-7-9	7	5726		6.3	88	58	16211 15111	1	6	1-2-5-7	7
50JY6		50	80	85	62635 61114	2	1	4-5-8-C	C	"		6.3	88	58	15211 16111	1	6	1-2-5-7	2
										5727		6.3	0	58	61213 43111	2	1	1-2-5-6	6
50L6		50	90	96	61435 62111	2	1	3-4-5-8	3	CK5755		12.6	83	20	41521 66661	1	4	1-2-3	1
50MB8		50	70	85	56621 66141	3	2	1-8-9	9	"		12.6	78	20	11121 51461	1	4	6-7-8	8
"		50	35	55	61521 43661	2	2	2-3-6-7	6	5763		6.3	70	92	41121 31561	4	1	3-7-8	1
50Y7		50	0	75	12311 61111	4	1	3	3	5814		12.6	45	18	45112 66661	2	3	1-2-3	1
"		50	0	75	12513 61111	4	1	3-4-5-8	5	"		12.6	45	18	66612 45161	2	3	6-7-8	6
53HK7	(7)	50	60	60	61563 16214	2	1	2-3-5-C	C										
"	(0)	50	0	55	24111 66161	2	1	2-4	2	5823		70	0	70	46266 16611	3	1	1	1
58HE7	(0)	50	0	90	24111 66111	1	1	2-4	2	5824		25	7	50	61435 62111	2	3	3-4-5-8	3
"	(7)	50	45	60	61563 16214	2	1	2-3-5-C	C	5840		6.3	7	85	51164 23611	2	3	1-2-5-7	5
60FX5		50	55	60	15126 34111	2	2	1-2-6-7	7	5879		6.3	45	60	51121 13411	3	3	1-3-7-8	8
117L7		117	0	60	12111 31111	4	1	1	6	5881		6.3	47	95	61435 62111	4	1	3-4-5-8	3
"		117	30	0	12353 11111	3	2	3-4-5-6-8	3	5884		6.3	70	65	64125 61111	2	2	2-5-7	2
163PEN		19	55	55	65121 64631	2	2	2-3-7-9	7	"		6.3	70	65	46126 51111	2	2	1-6-7	1

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	
5899	6.3	7	70	51164	23611	2	3	1-2-5-7	5	7189	6.3	20	38	65112	64631	3	3	2-3-7-9	7	
5915	6.3	7	56	51214	31111	3	3	1-2-5-6-7	5	7199	6.3	25	55	14321	15661	2	3	2-3-6-7	2	
5931	5.0	0	35	12111	41111	4	1	6	6	"	6.3	25	45	46621	66151	3	2	1-8-9	1	
"	5.0	0	35	12141	11111	4	1	4	4	7233	6.3	85	60	45621	66191	1	1	1-2-8	1	
5963	12.6	20	15	45121	11161	2	3	1-2-3	1	7247	12.6	45	65	45121	11161	3	2	1-2-3	1	
"	12.6	20	15	11121	45161	2	3	6-7-8	6	"	12.6	55	65	11121	45161	2	3	6-7-8	6	
6005	6.3	20	40	51124	36111	2	3	1-2-5-6	5	7308	6.3	70	80	45121	11111	1	2	1-2-3	1	
6080	6.3	15	10	11154	12111	2	1	4-5-6	5	"	6.3	70	80	11121	45111	1	2	6-7-8	6	
"	6.3	15	10	54111	12111	2	1	1-2-3	2	7355	6.3	7	16	11411	52311	4	2	3-5-6-8	3	
6084	6.3	70	32	36121	46151	2	3	1-3-6-9	6	7360	6.3	20	99	13521	41111	3	3	1-2-3-6	6	
6085	12.6	10	74	45112	66661	2	3	1-2-3	1	"	6.3	20	99	13521	14111	3	3	1-2-3-7	7	
"	12.6	10	74	66612	45161	2	3	6-7-8	6	7408	6.3	23	60	61435	62111	4	2	3-4-5-8	3	
6100	6.3	40	15	46126	51111	2	3	1-6-7	1	7543	6.3	80	85	56124	31111	3	2	1-5-6-7	7	
6146	6.3	40	45	11365	62114	2	2	1-3-5-C	C	7581	6.3	25	25	61435	62111	4	2	3-4-5-8	3	
6159	25	40	90	12365	61114	3	1	1-3-5-C	C	7591	6.3	85	50	11431	52611	2	2	3-4-5-6	3	
6189	6.3	45	18	45112	66661	2	3	1-2-3	1	7643	6.3	50	58	41121	11151	2	2	1-8-9	1	
"	6.3	45	18	66612	45161	2	3	6-7-8	6	"	6.3	80	75	15321	41111	2	3	2-3-6-7	6	
6201	12.6	20	60	45112	66661	2	3	1-2-3	1	7695	50	70	80	31621	51141	3	1	1-6-7-9	9	
"	12.6	20	65	66612	45161	2	3	6-7-8	6	7724	12.6	25	35	66612	61541	2	4	7-8-9	9	
6211	12.6	25	10	45121	11161	2	3	1-2-3	1	"	12.6	0	25	16612	46661	1	2	1-6	6	
"	12.6	25	10	11121	45161	2	3	6-7-8	6	"	12.6	0	25	64112	66661	1	2	2-3	2	
6227	6.3	55	55	15121	14311	3	2	2-3-7-8	7	7751	6.3	10	78	62435	11111	1	2	3-4-5-8	3	
6267	6.3	20	30	31121	41151	4	3	1-3-6-9	6	7788	6.3	52	35	15621	34161	2	2	1-2-6-7	7	
6K6293	6.3	85	85	62365	11114	1	2	3-5-6-C	C	7868	6.3	85	85	35121	66141	4	1	1-2-3-9	9	
6360	12.6	35	50	51621	43161	3	2	1-2-6-7	6	7898	12.6	93	100	45121	11161	1	2	1-2-3	1	
"	12.6	35	50	61521	13461	3	2	2-3-7-8	8	"	12.6	93	100	11121	45161	1	2	6-7-8	6	
6386	6.3	75	75	21541	45111	2	2	*	4-6	7984	(4)	12.6	69	80	53112	16646	1	2	1-2-6-9	9
"	*2-3-4-6-7-8									8032A	12.6	40	45	11365	62114	2	2	1-3-5-C	C	
6463	12.6	25	25	41521	11161	3	2	1-2-3	1	8068	6.3	45	45	12115	11314	3	2	3-5-8-C	C	
"	12.6	25	25	11121	41561	3	2	6-7-8	6	8102	12.6	70	80	41521	11111	2	2	1-2-3	1	
6485	6.3	70	75	51124	31111	3	2	1-5-6-7	5	"	12.6	80	85	11121	43151	3	2	6-7-8-9	6	
6661	6.3	45	42	51214	31111	1	3	1-2-5-6	5	8106	12.6	60	60	41321	65661	3	2	1-2-3-7	1	
6686	6.3	80	70	65121	64311	2	2	2-3-7-8	7	8113	6.3	25	30	51214	36111	2	3	1-2-5-6	5	
6688	6.3	50	85	15621	64631	2	2	1-2-7-9	7	8136	6.3	65	85	51214	31111	3	2	1-2-5-6	5	
6689	6.3	55	90	35121	41111	2	2	1-2-3-6	6	8156	(4)	12.6	35	55	53112	16646	2	2	1-2-6-9	9
6883	12.6	70	75	12365	61114	3	1	1-3-5-C	C	8233▲	6.3	45	45	46321	61561	2	2	1-3-7-8	7	
6919	6.3	70	70	15211	15111	4	3	1-2-5-7	2-7	8278▲	6.3	70	87	31621	65641	1	2	1-2-7-9	9	
6939	12.6	50	60	61521	63461	3	2	2-3-8	8	8417	6.3	45	40	61435	62111	2	2	3-4-5-8	3	
"	12.6	50	60	51621	43661	3	2	2-6-7	6	8425	6.3	70	89	51124	31111	3	2	1-5-6-7	5	
6973	6.3	50	50	31521	61641	3	2	1-3-7-9	9	8552	12.6	80	90	12365	61114	2	1	1-3-5-C	C	
6025	12.6	43	60	45121	11161	1	4	1-2-3	1	8908	6.3	94	90	61315	12114	1	1	3-4-5-C	C	
"	12.6	43	60	11121	45161	1	4	6-7-8	6	8950	(3)	12.6	55	56	62311	31514	3	1	6-8-C	C
6027	6.3	90	90	32465	61111	4	1	1-3-5-8	3	9003	6.3	50	50	51214	36111	2	3	1-2-5-6	5	
6054	12.6	20	55	15112	14311	2	2	1-2-7-8	7											
6119	12.6	35	30	45121	11611	2	2	1-2-3	1											
"	12.6	35	30	11121	15641	2	2	6-7-9	9											

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
FOREIGN																			
A1834	6.3	15	10	11154	12111	2	1	4-5-6	5	EF37A	6.3	53	53	62436	61115	2	3	3-4-8-C	3
"	6.3	15	10	54111	12111	2	1	1-2-3	2	EF804s	6.3	75	100	11112	64351	2	2	3-7-8-9	7
AA91E	6.3	0	98	16211	14111	1	1	1-7	7	EFL200	6.3	77	76	51342	11111	2	2	1-2-3-4	4
"	6.3	0	98	14211	16111	1	1	2-5	2	"	6.3	45	47	11112	11534	2	2	7-8-9-C	C
ABC91	12.6	7	54	61435	62111	4	2	3-4-5-8	3	EL32	6.3	40	40	61435	62111	4	2	3-4-5-8	3
AR18	6.3	44	45	61466	62115	2	3	3-8-C	3	EL500	6.3	80	75	65121	36614	2	1	2-3-6-C	C
"	6.3	7	0	11466	12115	4	6	4-5	4-5	EL503	6.3	70	87	31621	65641	1	2	1-2-7-9	9
E55L	6.3	45	45	46321	61561	2	2	1-3-7-8	7	EL504	6.3	80	75	65121	36664	2	1	2-3-6-C	C
E80CC	12.6	10	74	45112	66661	2	3	1-2-3	1	EL505	6.3	50	35	56321	66614	2	1	1-3-9-C	C
"	12.6	10	74	66612	45161	2	3	6-7-8	6	EL508	6.3	7	75	11635	62114	3	1	4-5-8-C	C
E80F	6.3	70	32	36121	46151	2	3	1-3-6-9	6	EN91	6.3	0	58	61213	43111	2	1	1-2-5-6	6
E80L	6.3	55	55	15121	14311	3	2	2-3-7-8	7	EY500	6.3	0	93	64121	66661	1	1	2-C	2
E81L	6.3	80	70	65121	64311	2	2	2-3-7-8	7	GZ32	5.0	0	65	12141	11111	2	1	4	4
E82CC	12.6	95	100	45121	11161	1	2	6-7-8	6	"	5.0	0	65	12111	41111	2	1	6	6
"	12.6	95	100	11121	66661	2	2	1-2-3	3	LCF200	6.3	87	40	16112	16645	1	3	1-9-C	9
E83CC	12.6	37	75	45112	66661	2	3	1-2-3	1	"	6.3	18	10	61512	14311	2	3	2-3-7-8	7
"	12.6	40	76	66612	45161	2	3	6-7-8	6	LCF201	6.3	52	52	16112	16145	2	2	1-9-C	9
E83F	6.3	55	90	35121	41111	2	2	1-2-3-6	6	"	6.3	45	100	61512	14311	1	3	2-3-7-8	7
E84L	6.3	65	85	65112	64631	4	1	2-3-7-9	7	LCH200	5.0	65	65	11532	14111	1	4	1-3-4-7	7
E90Z	6.3	0	90	41121	61111	2	1	1-7	1	"	5.0	55	55	11112	11514	1	3	8-9-C	C
"	6.3	0	90	61121	41111	2	1	6-7	6	LFL200	9.0	77	76	51342	11111	2	2	1-2-3-4	4
E182CC	12.6	80	60	45121	11611	1	2	1-2-3	1	"	9.0	45	47	11112	11534	2	2	7-8-9-C	C
"	12.6	84	60	11121	15641	1	2	6-7-9	9	LL500	19	75	75	65121	36614	1	2	2-3-6-C	C
E188CC	6.3	70	80	45121	11111	1	2	1-2-3	1	LL509	25	50	50	56321	66614	2	1	1-3-9-C	C
"	6.3	70	80	11121	45111	1	2	6-7-8	6	LL521	19	53	53	56321	66614	1	2	1-3-9-C	C
E235L	6.3	10	78	62435	11111	1	2	3-4-5-8	3	LL802	9.0	66	35	15621	34661	2	2	1-2-6-7	7
E810F	6.3	52	35	15621	34161	2	2	1-2-6-7	7	Good tube reads above 50.									
E902	6.3	0	90	41121	61111	2	1	1-7	1	N22LL	19	27	80	56121	36641	2	1	1-3-6-9	9
"	6.3	0	90	61121	41111	2	1	6-7	6	PCF200	7.5	87	40	16112	16645	1	3	1-9-C	9
EAF801	6.3	81	82	35121	46611	2	2	1-2-3-6	6	"	7.5	18	10	61512	14311	2	3	2-3-7-8	7
"	6.3	0	86	66121	66411	1	2	3-8	8	PCF201	7.5	52	52	16112	16145	2	2	1-9-C	9
EC88	6.3	55	65	51621	66461	2	2	1-2-8	8	"	7.5	45	100	61512	14311	1	3	2-3-7-8	7
ECC808	6.3	35	50	51421	61111	1	4	1-2-3	3	PCH200	9.0	65	65	11532	14111	1	4	1-3-4-7	7
"	6.3	35	50	11121	64151	1	4	7-8-9	7	"	9.0	55	55	11112	11514	1	3	8-9-C	C
ECF200	6.3	87	40	16112	16645	1	3	1-9-C	9	PCL85	19	61	70	45121	11111	1	3	1-2-3	1
"	6.3	18	10	61512	14311	2	3	2-3-7-8	7	"	19	87	87	11121	43151	1	2	6-7-8-9	6
ECF201	6.3	52	52	16112	16145	2	2	1-9-C	9	PD500	9.0	60	15	16621	66564	4	5	1-8-C	C
"	6.3	45	100	61512	14311	1	3	2-3-7-8	7	PFL200	12.6	85	80	51342	11111	1	3	1-2-3-4	4
ECH200	6.3	65	65	11532	14111	1	4	1-3-4-7	7	"	12.6	60	60	11112	11534	1	3	7-8-9-C	C
"	6.3	55	55	11112	11514	1	3	8-9-C	C	PL500	25	75	75	65121	36664	1	2	2-3-6-C	C
ECLL800	6.3	0	45	45121	11131	2	4	1-2	1	PL504	25	80	70	65121	36664	2	1	2-3-6-C	C
"	6.3	50	50	15421	11131	3	2	2-3-9	3	PL505	35	50	35	56321	66614	2	1	1-3-9-C	C
"	6.3	50	50	11121	51431	3	2	6-8-9	8	PL521	25	53	53	56321	66614	1	2	1-3-9-C	C
ED500	6.3	60	15	16621	66564	4	5	1-8-C	C	PY500	35	0	55	16121	16411	2	1	8-C	8

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
UBF89	19		85	87	35121 46611	2	2	1-2-3-6	6
"	19		0	93	66121 64661	1	2	3-7	7
"	19		0	100	66121 66461	1	2	3-8	8
UCC85	25		90	100	66621 45111	1	2	6-7-8	6
"	25		90	100	45121 66611	1	2	1-2-3	1
XL500▲	12.6		80	75	65121 36664	2	1	2-3-6-C	C
XL504▲	12.6		80	75	65121 36614	2	1	2-3-6-C	C
YL1371	12.6		80	96	12365 61114	2	1	1-3-5-C	C