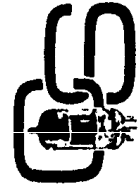


TUBE DATA

FOR



666 TUBE TESTER

COLETRONICS  **SERVICE INC.**

1744 ROCKAWAY AVENUE • HEWLETT, L. I., N. Y. 11557

(AUTHORIZED **TEICO** TUBE DATA SERVICE)

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THANKS AGAIN AND PLEASE TAKE THE TIME TO VISIT OUR STORE.

ATTENTION! EVERYTHING ON SALE NOW!!



HOT SALE!

CAUTION

CAUTION

CAUTION

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 NUVIATOR TYPE TUBES USE MODEL 610A ADAPTER.

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

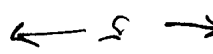
TUBE	KEY# FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
OA2	0	0 60	41666 66111	3	2	1	1
OA3	0	0 92	11614 16111	4	2	5	5
OB2	0	0 21	41666 66111	2	3	1	1
OB3	0	0 75	11614 16111	2	2	5	5
OC2	0	0 73	41666 66111	2	2	1	1
OC3	0	0 95	11614 16111	2	2	5	5
OD3	0	0 30	11114 11111	4	2	5	5
OG3	0	0 90	41666 66111	2	2	1	1
OZ4	Z	0 15	11416 11211	4	2	3	3
"	Z	0 15	11614 11211	4	2	5	5
1A7	1.25	13 87	11415 12113	2	4	3-5-C	3
1AD2	1.25	0 90	11266 16664	3	3	C	C
1AE4	1.25	90 84	14366 52111	1	3	2-3-6	-2
1AF4	2.0	71 28	14366 52111	2	3	2-3-6	2
1AF5	1.25	25 60	11134 52111	4	5	4-5-6	5
"	1.25	0 100	11566 62111	4	6	3	3
1AU2	1.25	0 60	66621 66631	3	3	9	9
1AX2	1.4	0 95	66121 61664	3	3	C	C
1AY2	Good tube reads above 40.						
"	1.2	70 70	12111 11114	2	3	C	C
"	Good tube reads above 30. Insert into pins 2-8 of 9 pin min. socket.						
1B3	1.25	0 95	61666 62614	2	3	C	C
1BC2	1.25	0 90	21161 61664	3	2	C	C
1BK2	1.4	0 63	62666 61614	2	3	C	C
1BX2	No short test.						
"	1.4	0 60	66121 61664	2	3	C	C
1BY2	1.25	0 90	61121 16114	2	3	C	C
1D13	Good tube reads above 40. Cap goes to top of tube.						
1DG3	1.25	7 21	14116 62111	4	6	2-3	2
"	1.25	0 30	16166 61214	3	3	-	C
1DK1	Good tube reads above 20. No short test.						
"	1.25	0 70	12111 11114	3	2	C	C
"	Insert 2 base leads into pins 1&2 of 9 pin min. socket. Cap goes to top lead. Good tube reads above 30.						
1DK29	1.25	0 70	12111 11114	3	2	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.						
1F1	1.4	50 95	14366 52111	1	4	3-6	2
1F2	1.4	7 92	14316 52111	4	3	2-3-6	2
1F3	1.4	7 85	15316 52111	4	3	2-3-6	2

TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
2DV4		2.5	14 100	64251	61111	1	2	2-4-7	3BU8		2.8	24 30	13412	2	4	1-2-3-7	3
2DZ4		2.5	46 82	45211	66111	1	2	1-2-5	"		2.8	42 30	13612	2	4	1-2-7-8	8
2E26		6.3	20 20	12365	61114	3	2	1-3-5-C	3BW2	(5)	3.8	0 45	61121	2	3	C	C
2EG4		1.4	50 85	14251	11111	2	3	2-4-8	"		Good tube reads above 40. Cap goes to top of tube.						
2EN5		2.5	0 55	16121	14111	1	2	5-7	3BZ6		2.8	40 85	51214	3	2	1-2-5-6	5
2ER5		2.5	0 85	14121	16111	1	2	2-5	3CA3		3.8	0 40	12111	3	3	C	C
2FH5		2.5	15 25	65214	61111	2	3	2-5-7	3CB6		2.8	40 90	51214	3	2	1-2-5-7	5
		2.5	10 21	65214	61111	2	3	2-5-7	3CE5		2.8	30 20	51214	3	3	1-2-5-6	5
2FQ5		2.5	60 70	15214	16111	2	2	1-2-5	3CF6		2.8	13 10	51214	3	3	1-2-5-6	5
2FS5		2.5	54 20	51214	36111	2	3	1-2-5-6	3CN3		2.8	0 80	62666	3	2	C	C
2FY5		2.5	15 60	65214	61111	2	3	2-5-7	3CS6		2.8	7 70	51214	2	4	1-2-5-6	5
2GK5		2.5	30 90	15214	66111	2	2	1-2-5	3CU3		2.8	30 50	62616	3	2	C	C
2GY5		2.5	10 15	51214	36111	3	3	1-2-5-6	3CV3A		2.8	0 73	62666	2	3	C	C
2GW5		2.5	45 80	45211	61111	2	2	1-2-5	"		No short test.						
2HA5		2.0	84 84	51214	66111	1	2	1-2-5	3CX3		2.8	0 36	66266	2	3	C	C
2HK5		2.5	25 80	51214	66111	2	2	1-2-5	"		No short test.						
2HM5		2.0	90 96	51214	66111	1	2	1-2-5	3CY3		3.8	0 90	62616	1	3	C	C
2HQ5		2.5	20 95	51214	66111	2	2	1-2-5	3CY5		Good tube reads above 30.						
2V2		2.5	0 70	12116	11114	4	3	C	"		2.8	7 85	51124	2	3	1-2-5-6	5
2X2		2.5	0 7	21111	11114	4	2	C	3CZ3		2.8	0 36	62616	1	4	C	C
3A3		2.8	0 25	12111	11614	1	4	C	"		No short test.						
3A4		2.8	70 90	14356	62111	2	2	2-3-4	3DA3		2.8	0 36	66266	2	3	C	C
3AF4		2.8	77 77	45211	66111	1	2	1-2-5	"		No short test.						
3AI.5		2.8	0 98	16211	14111	1	1	1-7	3DB3		2.8	0 90	62616	1	3	C	C
3AT2	(2)	2.8	0 95	16266	66664	3	2	C	"		Good tube reads above 30.						
3AU6		2.8	70 89	51124	31111	3	2	1-5-6-7	3DC3		2.8	0 70	62616	1	3	C	C
3AV6		2.8	25 85	51216	64111	3	3	1-2-7	3DF3		2.8	0 72	11211	3	2	C	C
3AW2	(2)	2.8	25 14	51216	64111	4	6	2-5-6	"		No short test.						
		2.8	0 60	21116	16614	3	2	C	3DG4		2.8	0 75	16214	2	1	5	7
3B2		2.8	55 55	62616	61614	3	3	C	"		3.8	0 28	66266	2	3	C	C
3BA6		2.8	75 75	51214	31111	3	2	1-5-6-7	3DH3		Good tube reads above 40. No short test.						
3BC5		2.8	15 55	51214	36111	2	3	1-2-5-6	"		Good tube reads above 40.						
3BE6		2.8	30 96	51214	31111	2	3	1-2-5-7	3DJ3		2.8	0 70	62616	2	3	C	C
3BL2	(2)	3.8	0 84	26166	66664	1	3	C	3DK6		2.8	65 85	51214	3	2	1-2-5-6	5
3BM2	(2)	2.8	0 60	11261	16614	3	2	C	3DR3		3.8	0 60	11216	2	3	C	C
3BN6		2.8	30 80	15123	14111	2	4	1-2-5-6-7	"		No short test.						
3BS2	(2)	2.8	0 45	11266	16664	2	3	C	3DS3		2.8	0 60	61266	2	3	C	C
3BT2	(5)	3.8	0 45	61121	16114	2	3	C	3DT6		No short test.						
		Good tube reads above 40. Cap goes to top of tube.							"		2.8	8 60	51214	2	4	1-2-5-6	5
									3DX4		2.8	10 40	45211	1	3	1-2-5	1
									3DZ4		2.8	46 82	45211	1	2	1-2-5	1
									3EH7		2.8	30 40	15612	2	3	1-2-7-8	7
									3EJ7		2.8	11 100	15612	2	2	1-2-7-8	7
									3ER5		2.8	15 25	65214	2	3	2-5-7	5
									3FH5		2.8	70 70	15214	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	2	2	1-2-5	5	4BZ7	4.2	80	100	66612	1	2	6-7-8	6
3FSS	2.8	54	20	51214	2	3	1-2-5-6	5	"	4.2	73	100	45112	1	2	1-2-3	1
3FY5	2.8	7	80	65214	2	3	2-5-7	5	4CB6	4.2	40	90	51214	3	3	1-2-5-7	5
3CK5	2.8	30	90	15214	2	2	1-2-5	5	4CE5	4.2	30	20	51214	3	3	1-2-5-6	5
3CS8	2.8	40	50	13412	2	4	1-2-3-7	3	4CM4	3.8	75	40	45121	2	2	1-2-3	1
"	2.8	40	50	13612	2	4	1-2-7-8	8	4CS6	4.2	7	55	51214	2	4	1-2-5-6	5
3HA5	2.8	55	40	51214	1	3	1-2-5	5	4DK6	4.2	65	85	51214	3	2	1-2-5-6	5
3HF5	2.8	50	75	15214	3	2	1-2-5	5	4DL4	4.2	55	65	51621	2	2	1-2-8	8
3HK5	2.5	25	80	51214	2	2	1-2-5	5	4DT6	4.2	8	60	51124	2	4	1-2-5-6	5
3HM5	2.8	90	96	51214	1	2	1-2-5	5	4EH7	4.2	30	40	15612	2	3	1-2-7-8	7
3HM6	2.8	50	30	15621	2	3	1-2-7-8	7	4EJ7	4.2	11	100	15612	2	2	1-2-7-8	7
3HQ5	2.8	20	95	51214	2	2	1-2-5	5	4ES8	4.2	35	50	66621	2	2	6-7-8	6
3JC6	3.8	55	80	15621	3	2	1-2-7-8	7	"	4.2	35	50	45121	2	2	1-2-3	1
3KT6	3.8	50	45	15621	3	2	1-2-7-8	7	4EW6	4.2	75	82	51214	3	2	1-2-5-7	5
3MP26	3.8	71	35	51214	2	2	1-2-5-6	5	4GK5	4.2	30	90	15214	2	2	1-2-5	5
3MR24	2.8	55	100	51214	2	2	1-2-5-6	5	4GM6	4.2	30	70	51214	4	2	1-2-5-6	5
3MV7	2.8	67	98	51214	2	2	1-2-5-6	5	4GS7	4.2	10	70	54112	2	2	1-2-3	2
3Q4	2.8	35	29	14536	2	3	2-3-4	2	4GSH	4.2	65	80	66112	3	2	3-6-7-9	6
3Q5	2.8	25	27	12435	2	3	3-4-5	3	4GS8	4.2	40	50	13412	2	4	1-2-3-7	3
3S4	2.8	7	40	14536	2	3	2-3-4	2	4GX7	4.2	40	50	13612	2	4	1-2-7-8	8
3V4	2.8	30	34	24316	2	3	1-2-3	2	4GZ5	4.2	45	40	16621	3	2	1-2-6-7	7
4AB8	3.8	70	80	45121	3	2	1-2-3	1	4HA5	4.2	60	60	15126	3	2	1-2-6-7	7
"	3.8	60	75	66121	3	2	3-6-8-9	6	"	4.2	55	40	51214	1	3	1-2-5	5
4AU6	4.2	70	89	51124	3	3	1-5-6-7	5	4HA7	(3)	50	72	51124	3	3	1-5-6	5
4AV6	4.2	25	85	51216	4	6	2-5-6	5-6	"	(5)	50	72	54111	3	2	1-2-9	2
4BC5	4.2	15	55	51214	2	3	1-2-5-6	5	4HC7	(0)	7	85	24111	3	4	2-3	2
4BC8	4.2	20	10	66612	2	3	6-7-8	6	"	(4)	7	84	45112	3	2	1-8	1
"	4.2	20	10	45112	2	3	1-2-3	1	4HK5	4.2	25	80	51214	2	2	1-2-5	5
4BE6	4.2	30	96	51214	2	3	1-2-5-7	5	4HM5	4.2	90	96	51214	1	2	1-2-5	5
4BF5	4.2	25	60	51124	2	2	1-2-5-6	5	4HM6	4.2	50	30	15621	2	3	1-2-7-8	7
4BL8	4.7	35	70	46612	4	2	1-8-9	1	4HQ5	4.2	20	95	51214	2	2	1-2-5	5
"	4.7	50	70	65312	2	4	2-3-6-7	6	4HS8	4.2	71	85	13612	3	3	1-2-7-8	8
4BN6	4.2	30	80	14111	2	2	1-2-5-7	7	"	4.2	71	85	13412	3	3	1-2-3-7	7
4BQ7	4.2	75	75	66612	2	2	6-7-8	6	4HT6	4.2	75	75	15621	3	2	1-2-7-8	7
"	4.2	75	75	45112	2	2	1-2-3	1	4JC6	4.2	55	80	15621	3	2	1-2-7-8	7
4BS8	4.2	13	20	66612	2	3	6-7-8	6	4JD6	4.7	70	70	15621	3	2	1-2-7-8	7
"	4.2	13	20	45112	2	3	1-2-3	1	4JH6	4.2	30	87	51214	3	2	1-2-5-6	5
4BU8	4.2	24	30	13412	2	4	1-2-3-7	3	4JL6	3.8	18	85	51214	2	2	1-2-5-6	5
"	4.2	42	30	13612	2	4	1-2-7-8	8	4JW8	4.2	62	85	41121	3	2	1-8-9	1
4BX8	4.2	25	75	66621	2	2	6-7-8	6	"	4.2	74	80	15321	3	2	2-3-6-7	7
"	4.2	25	75	45121	2	2	1-2-3	1	4KE8	4.2	30	30	15321	2	3	2-3-6-7	7
4BZ6	4.2	40	85	51214	3	2	1-2-5-6	5	"	4.2	50	80	41121	2	2	1-8-9	1

IBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
CF8	4KFB	4.2	65	13421	3	3	1-2-3-7	3	5BQ7	5.0	75	75	45111	2	2	6-7-8	6
"	"	4.2	65	13121	3	3	1-2-7-8	8	"	5.0	75	75	45112	2	2	1-2-3	1
GN8	4KN8	4.2	35	66612	2	2	6-7-8	6	5BR8	5.0	22	89	66661	4	4	1-2-3	2
"	"	4.2	35	45112	2	2	1-2-3	1	"	5.0	22	98	43151	4	2	6-7-8-9	6
CT6	4KT6	4.2	50	15621	3	2	1-2-7-8	7	5BT8	5.0	7	5	66661	4	6	1-2-3	1-2
"	"	4.2	50	45112	3	2	1-2-3	2	"	5.0	29	100	43511	3	2	6-7-8-9	6
JJ8	4LJ8	4.2	40	66661	3	2	3-6-7-9	6	5CG8	5.0	65	85	66661	2	2	1-2-3	2
"	"	4.2	40	66112	3	2	1-2-5-6	5	"	5.0	35	19	43651	3	3	3-6-7-9	6
JUG	4LV6	4.2	83	51214	2	2	1-2-3-7	3	5CL8	5.0	30	35	54121	3	2	1-2-3	2
"	"	4.2	70	13412	4	3	1-2-7-8	3	"	5.0	70	90	11111	3	2	6-7-8-9	6
AK8	4MK8	4.2	35	13612	4	3	1-2-7-8	8	5CM6	5.0	45	25	36512	4	2	1-3-7-9	9
"	"	4.2	70	65411	4	3	1-2-7-8	8	"	5.0	45	25	36512	4	2	1-3-7-9	9
MP12	4MP	4.7	30	51214	3	2	1-2-5-6	5	5OQ8	5.0	7	84	66151	3	2	1-8-9	1
MP26	"	4.2	71	51214	2	2	1-2-5-6	5	"	5.0	7	45	65312	3	3	2-3-6-7	6
RHH2	4RHH2	4.2	70	45121	1	3	1-2-3	1	5CZ9	5.0	45	45	61641	3	2	1-2-7-9	9
"	"	4.2	70	11121	1	3	6-7-8	6	5DH8	5.0	80	80	66121	3	2	6-7-8-9	6
RHH6	4R	4.2	35	66612	2	2	6-7-8	6	"	5.0	50	50	54121	2	4	1-2-3	2
"	"	4.2	35	45112	2	2	1-2-3	1	5DJ4	5.0	0	80	62641	2	1	4	4
RHH5	4R	3.8	30	45121	2	2	1-2-3	1	"	5.0	0	80	62614	2	1	5	5
"	"	3.8	30	11121	2	2	6-7-8	6	5EA8	5.0	75	65	46612	2	2	1-8-9	1
5A8	"	5.0	0	66612	1	2	7-8	8	"	5.0	60	80	65312	2	2	2-3-6-7	6
"	"	5.0	40	15312	2	3	1-2-3-6	6	5EU8	5.0	7	28	65412	2	3	2-3-6	3
"	"	5.0	40	41111	2	3	1-2-3-6	6	"	5.0	7	100	46612	2	3	1-7-8-9	1
5AN8	"	5.0	20	45112	3	2	1-2-3	1	5EW6	6.3	75	82	51214	3	2	1-2-5-7	5
"	"	5.0	60	66612	3	2	6-7-8-9	6	5FG7	4.7	50	90	54112	3	2	1-2-3	2
5AQ4	"	5.0	0	12141	2	1	4	4	"	4.7	72	90	66112	3	2	3-6-7-9	6
"	"	5.0	0	12111	2	1	6	6	5FV8	4.7	60	85	66621	3	2	6-7-8-9	6
AQ5	"	5.0	70	51124	3	2	1-2-5-6	5	"	5.0	60	70	54121	2	2	1-2-3	2
AR4	"	5.0	0	11141	1	1	4	4	5GH8	5.0	80	89	65312	2	2	2-3-6-7	6
"	"	5.0	0	61211	1	1	6	6	"	5.0	36	89	46612	2	2	1-8-9	1
AS4	"	5.0	0	12111	2	1	6	6	5GJ7	5.0	22	50	15612	2	2	1-2-6-7	6
"	"	5.0	0	12141	2	1	4	4	"	5.0	22	50	16612	2	2	1-8-9	1
AS8	"	5.0	20	35112	3	3	1-2-3-9	9	5GM6	5.0	30	70	51214	4	2	1-2-5-6	5
"	"	5.0	0	66612	1	2	6-8	6	"	5.0	30	70	51214	4	2	1-2-5-6	5
AT8	"	5.0	63	54112	2	2	1-2-3	1	5GS7	5.0	20	80	54112	2	2	1-2-3	2
"	"	5.0	66	66112	3	2	6-7-9	6	"	5.0	65	80	66112	3	2	3-6-7-9	6
AU4	"	5.0	0	61646	4	1	4	4	5GX6	5.0	80	90	51214	4	2	1-2-5-6	5
"	"	5.0	0	61666	4	1	6	6	5GX7	5.0	70	75	15621	3	2	1-2-6-7	6
AV8	"	4.7	35	15421	3	2	1-2-3	3	"	5.0	45	40	16621	3	2	1-8-9	8
"	"	4.7	70	11121	3	2	6-7-8-9	9	"	5.0	50	72	51124	3	3	1-5-6	5
AW4	"	5.0	0	61646	2	1	4	4	5HA7	(3)	50	72	11611	3	3	1-5-6	5
"	"	5.0	0	61666	2	1	6	6	"	(5)	50	72	21111	3	2	1-2-9	2
BB8	"	5.0	87	15412	1	2	1-2-3	3	5HB7	4.7	75	80	15621	3	2	1-2-6-7	6
"	"	5.0	30	66612	2	3	6-7-8-9	9	"	4.7	50	60	16621	3	2	1-8-9	8
BC3	"	5.0	0	26114	2	1	5	5	5HC7	4.2	7	85	66451	3	4	2-3	2
"	"	5.0	0	61111	2	1	8	8	"	4.2	7	84	45112	3	2	1-8	1
BK5	"	5.0	0	26111	2	1	1	1	5HZ6	5.0	80	90	51214	4	2	1-2-5-6	5
"	"	5.0	93	41512	2	2	1-3-6-9	9	5J6	4.7	20	20	64125	2	3	2-5-7	2
BK7	"	5.0	65	66621	2	2	6-7-8	6	"	4.7	20	20	64125	2	3	1-6-7	1
"	"	5.0	65	45121	2	2	1-2-3	1	"	4.7	20	20	46126	2	2	1-6-7	1
"	"	5.0	65	66611	2	2	1-2-3	1	"	4.7	20	20	46126	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
5JK6	5.0	18	85	51214	2	2	1-2-5-6	5	5Y3	5.0	0	85	12111	2	1	6	6
5JL6	5.0	18	85	51214	2	2	1-2-5-6	5	5Y4	5.0	0	85	12141	2	1	4	4
5KD8	5.0	50	60	46612	3	2	1-8-9	1	5Z3	5.0	0	57	11614	4	1	5	5
5KE8	5.0	80	80	65312	3	2	2-3-6-7	6	6A8	5.0	0	35	14621	4	1	3	3
5KZ8	5.0	30	30	15321	2	3	2-3-6-7	6	6AB4	5.0	0	35	16421	4	1	2	2
5LJ8	4.7	25	94	46612	2	2	1-8-9	1	6AC7	6.3	60	0	61415	2	4	3	3
5ME8	4.7	34	50	65112	2	3	2-3-6	6	6AC10	6.3	60	85	61416	2	3	3	3
5MEH3	5.0	40	85	54112	2	2	1-2-3	2	6AF3	6.3	13	87	61151	4	2	1	1
5MK9	5.0	50	85	66112	3	2	3-6-7-9	6	6AF9	6.3	90	12	54121	1	3	2	2
5M98	4.7	40	42	66621	2	3	6-7-8-9	6	6AF9	6.3	90	12	52114	1	3	1	5
5R4	4.7	25	30	54121	2	3	1-2-3	2	6AD10	6.3	90	12	21114	1	3	5	5
5RDDH1	4.7	45	60	64215	3	2	2-5-7	2	6AF4	6.3	25	50	21511	4	3	2	7
"	4.7	45	60	46216	3	2	1-6-7	1	6AF9	6.3	30	60	11513	3	2	3	6
"	5.0	0	75	66214	2	1	5	5	6AF11	6.3	0	98	66621	1	1	9	9
"	5.0	75	60	41121	2	2	1-8-9	1	"	6.3	77	77	45211	1	2	1	1
"	5.0	70	90	15321	2	2	2-3-6-7	6	6AG5	6.3	75	75	51342	1	2	1	4
"	5.0	0	55	61646	4	1	4	4	6AG7	6.3	75	75	11112	2	2	1	1
"	5.0	0	55	61666	4	1	6	6	6AG9	6.3	75	75	11134	2	2	1	1
"	4.7	0	100	41121	1	1	1-2	1	6AG11	6.3	65	50	13521	2	2	1	7
"	4.7	0	100	11121	1	1	3-6	6	"	6.3	94	100	21111	1	2	5	8
"	4.7	37	70	11121	1	4	4-5-9	7	"	6.3	88	40	21541	1	3	3	4
5RHP1	5.0	35	70	46612	2	2	1-8-9	1	6AH4	6.3	70	95	51214	3	2	1	5
5RHR1	5.0	50	70	65312	4	2	2-3-6-7	6	6AH6	6.3	60	38	11151	3	2	4	8
5T8	5.0	55	65	46612	2	2	1-8-9	1	"	6.3	20	10	13511	3	2	1	7
"	5.0	58	89	65312	2	2	2-3-6-7	6	"	6.3	20	75	21115	3	2	5	7
"	5.0	50	50	56612	3	5	1-7	9	"	6.3	0	100	21411	1	1	2	3
"	5.0	50	50	66612	3	3	7-8-9	2	"	6.3	74	40	21115	1	3	4	6
5U4	5.0	50	50	65112	3	4	2-3	2	"	6.3	71	40	21111	1	3	7	7
5U8	5.0	50	50	56612	3	5	6-7	6	"	6.3	0	100	11114	1	1	5	6
5U9	5.0	0	100	12141	1	1	6	6	6AH9	6.3	15	75	51664	1	2	1	5
5V4	5.0	55	50	46612	1	1	1-8-9	4	6AJ7	6.3	75	80	56124	3	2	1	5
5V6	5.0	44	73	65312	2	3	2-3-6-7	6	6AJ8	6.3	40	50	25411	3	2	2	3
5V9	6.3	50	50	16112	1	3	1-9-C	9	6AK5	6.3	70	50	13114	2	2	1	5
5X8	6.3	35	40	61512	1	4	2-3-7-8	7	6AK6	6.3	13	87	61151	4	2	4	8
5X9	5.0	0	65	11141	2	1	4	4	6AK7	6.3	92	92	35121	2	2	1	6
"	5.0	0	65	11161	2	1	6	6	6AK9	6.3	76	76	35121	2	2	8	8
"	4.7	40	40	61436	4	2	3-4-5-8	3	"	6.3	35	35	51214	1	3	1	5
"	5.0	65	65	11532	1	4	1-3-4-7	7	"	6.3	50	89	51124	3	2	1	5
"	5.0	55	55	11112	1	3	8-9-C	C	"	6.3	60	38	11151	3	2	4	8
"	4.7	20	30	16621	3	3	6-7-8-9	9	"	6.3	66	66	11665	1	3	2	6
"	4.7	20	90	15421	1	3	2-3	3	"	6.3	66	66	11536	1	3	2	4
"	6.3	87	40	16112	1	3	1-9-C	9	6AK10	6.3	65	75	24516	1	3	2	5
"	6.3	18	10	61512	2	3	2-3-7-8	7	"	6.3	65	74	11152	2	2	4	8
"	6.3	18	10	61512	2	3	2-3-7-8	7	"	6.3	66	75	11154	2	2	4	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	1	1	9-C	9	6A8	6.3	80	80	15412	2	2	1-2-3	3
6AL5	6.3	0	98	16211	1	1	1-7	7	6A8	6.3	80	80	66612	2	2	6-7-8-9	9
6AL9	6.3	0	98	14211	1	1	2-5	2	6AV5	6.3	10	80	51114	4	1	1-3-5-8	5
6AL11	(5)	10	41	13511	2	3	1-2-3-7	7	6AV6	6.3	25	85	51216	3	3	1-2-7	7
6AL11	(0)	90	45	21115	2	2	5-6-7	6	6AV11	(0)	25	14	51216	4	6	2-5-6	5-6
6AM4	(0)	45	60	21516	3	3	2-6-7	6	6AV11	(0)	50	95	21114	2	2	5-6-7	7
6AM8	(8)	55	60	11513	3	2	3-4-5-6	6	6AV11	(5)	50	95	11521	2	2	3-7-8	7
6AM8	6.3	80	70	51664	3	2	1-2-5	5	6AW8	6.3	50	50	54121	2	2	1-2-9	1
6AM8	6.3	0	10	66612	1	2	7-8	8	6AW8	6.3	50	50	66621	3	2	6-7-8-9	9
6AN4	6.3	40	40	15312	2	3	1-2-3-6	6	6AX3	(0)	72	72	15421	3	2	1-2-3	3
6AN4	6.3	7	93	45211	4	2	1-2-5	1	6AX3	(0)	0	72	21141	2	1	4-7	4
6AN5	6.3	50	50	51214	2	2	1-2-5-6	5	6AX4	6.3	0	100	66114	1	1	3-5	5
6AN8	6.3	20	40	45112	3	2	1-2-3	1	6AX5	6.3	0	60	61416	4	1	3-8	3
6AQ5	6.3	60	60	66612	3	2	6-7-8-9	6	6AX7	6.3	37	75	45112	4	1	5-8	5
6AQ6	6.3	70	34	51124	3	2	1-2-5-6	5	6AX7	6.3	40	76	66661	2	3	1-2-3	1
6AQ7	6.3	14	89	51216	3	3	1-2-7	7	6AX8	6.3	55	90	66612	2	3	6-7-8	6
6AQ8	6.3	14	89	51214	3	6	5-6	5-6	6AX8	6.3	25	35	46612	2	2	1-8-9	1
6AR5	6.3	50	50	51511	2	5	1-2-3	1-3	6AY3	(4)	0	25	65312	3	3	2-3-6-7	6
6AR5	6.3	7	39	61654	4	4	4-5-6	5	6AY11	(0)	60	60	66621	3	1	7-9	7
6AR5	6.3	80	80	66621	2	2	6-7-8	6	6AY11	(0)	60	60	21115	3	2	1-2-6-7	1-7
6AR8	6.3	80	80	45121	2	2	1-2-3	1	6AZ8	6.3	80	70	43121	3	2	1-2-3	6-7
6AR11	(0)	65	33	51124	4	2	1-2-5-6	2	6B4	6.3	55	45	11121	3	2	2-3	1
6AS5	(7)	20	20	11421	4	3	3-6-8-9	8-9	6B8	6.3	55	70	12415	3	2	7-8-9	8
6AS6	6.3	30	30	24315	2	3	2-3-4-5-6	2	6B8	6.3	30	60	61466	3	3	3-6-8	3
6AS7	6.3	34	34	14351	2	3	1-2-3-4-5	7	6B10	6.3	85	85	61655	2	4	4-5-8	4-5
6AS8	6.3	7	25	15126	4	2	1-2-6-7	5	6B10	6.3	86	48	21541	2	2	2-3-4	4
6AS11	6.3	30	40	51214	3	3	1-2-5-6	5	6B10	6.3	86	48	21115	2	2	5-6-7	6
6AT6	6.3	15	10	11154	2	1	4-5-6	5	6B10	6.3	86	48	41111	2	2	2-3	2
6AT7N	6.3	15	10	54111	2	1	1-2-3	2	6B10	6.3	70	85	61511	2	3	2-3	3
6AT8	6.3	20	10	35112	3	3	1-2-3-9	9	6B3	6.3	70	85	51611	2	3	1	1
6AU4	6.3	0	10	66612	1	2	6-8	6	6BA5	6.3	0	35	66621	4	1	7-9	7
6AU5	6.3	35	65	13521	3	2	1-2-3-7	7	6BA5	6.3	20	62	51114	3	3	1-5-7-8	5
6AU6	6.3	30	90	21111	3	2	5-6-8	8	6BA6	6.3	75	75	51214	3	2	1-5-6-7	5
6AU7	6.3	30	90	21541	3	2	3-4-7	4	6BA7	6.3	20	90	35121	2	3	1-2-3-9	9
6AU7	(0)	30	90	51216	1	4	2-7	7	6BA8	6.3	70	70	15412	2	2	1-2-3	3
6AU7	(0)	67	36	11215	2	6	5-6	5-6	6BA8	6.3	75	75	66612	2	2	6-7-8-9	9
6AU7	(0)	30	90	66621	3	2	6-7-8	6	6BA11	(0)	33	33	24351	3	4	2-3-4-8	2
6AU7	6.3	63	91	45112	2	2	1-2-3	1	6BA11	(0)	33	33	26356	3	4	3-4-6-8	6
6AU7	6.3	66	95	66112	3	2	6-7-9	6	6BA11	(5)	57	57	51411	3	2	1-2-3	3
6AU7	6.3	0	62	66114	1	2	3-5	5	6BB14A	6.3	8	94	12121	1	2	1-3-6-C	C
6AU7	6.3	25	90	51114	3	1	1-3-5-8	5	6BC4	6.3	20	87	35621	3	2	1-2-6	1
6AU7	6.3	70	89	51124	3	2	1-5-6-7	5	6BC5	6.3	15	55	51214	2	3	1-2-5-6	6
6AU7	6.3	95	100	45121	1	2	1-2-3	1	6BC7	6.3	47	47	15612	3	4	1-2	2
6AU7	6.3	95	100	11121	1	1	6-7-8	6	6BC7	6.3	47	47	66612	3	4	6-7	6
6AU7	6.3	95	100	45161	1	1	6-7-8	6	6BC7	6.3	47	47	66612	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	6BL7	6.3	50	55	11154	2	2	4-5-6	5
6BD11	6.3	20	10	45112	66611	2	3	1-2-3	6BL8	6.3	50	55	54111	2	2	1-2-3	2
"	(5)	47	85	13521	14111	2	2	1-2-3-7	6BM8	6.3	35	70	46612	2	2	1-8-9	1
"	(0)	59	90	21541	11111	2	2	3-4-7	6BN4	6.3	50	70	65312	4	2	2-3-6-7	6
6BE3	6.3	59	90	21111	51411	2	2	5-6-8	6BN6	6.3	70	85	56621	3	2	1-8-9	9
6BE6	(0)	0	75	21141	11111	2	1	4-7	6BN7	6.3	35	55	61521	2	2	2-3-6-7	6
6BF5	6.3	30	90	51214	31111	2	3	1-2-5-7	6BR3	6.3	74	17	15214	1	3	1-2-5	5
6BF6	6.3	25	60	51124	36111	2	2	1-2-5-6	6BR5	6.3	30	80	15123	2	4	1-2-5-7	7
"	6.3	85	90	11215	51111	3	4	5-6	6BR8	6.3	25	75	15123	2	4	1-2-5-6-7	7
"	6.3	85	90	51216	64111	2	2	1-2-7	6BS3	6.3	50	40	51612	1	6	1-2	1
6BF7	6.3	15	30	66161	25411	3	3	5-7-8	6BS8	6.3	50	40	66112	1	6	3-6	6
6BF8	6.3	15	30	45116	26611	3	3	1-2-4	6BR11	6.3	7	65	66612	1	4	7-8-9	7
"	6.3	65	75	56621	16661	2	4	1-6	6BQ5	(0)	80	90	21534	2	2	2-3-4-5	5
"	6.3	65	75	65621	16661	2	4	2	6BQ6	(8)	80	90	15131	2	2	2-3-4-6	6
"	6.3	65	75	66621	16661	2	4	3	6BQ7	6.3	60	95	65121	4	1	2-3-7-9	7
"	6.3	65	75	66621	15661	2	4	7	6BR3	6.3	85	80	12635	2	1	4-5-8-C	C
6BF11	6.3	65	75	66621	16561	2	4	8	6BR5	6.3	65	65	66612	2	2	6-7-8	6
"	(0)	65	75	66621	16651	2	4	9	6BR8	6.3	65	65	45112	2	2	1-2-3	1
6BG6	6.3	52	70	21511	34111	3	3	2-3-6-7	6BS3	6.3	0	15	11621	4	5	1-7-9	7
6BH3	6.3	50	55	51341	12111	2	2	1-2-3-4	6BS8	6.3	16	30	54112	4	5	7	7
6BH6	6.3	85	90	12115	11314	4	1	3-5-8-C	6BS3	6.3	25	98	66612	2	3	1-2-3-9	6
"	6.3	0	45	66621	64611	4	1	7-9	6BS8	6.3	0	75	66621	2	1	7-9	7
"	6.3	65	65	51214	31111	2	3	1-2-5-6	6BU8	6.3	13	20	66612	2	3	6-7-8	6
6BH8	6.3	40	40	15412	66661	3	2	1-2-3	6BV8	6.3	13	20	45112	2	3	1-2-3	1
6BH11	6.3	30	30	66612	15341	2	3	6-7-8-9	"	6.3	42	30	13412	2	4	1-2-3-7	3
"	(0)	40	60	21451	11111	3	2	2-3-4	6BV8	6.3	24	30	13612	4	3	1-2-7-8	8
"	(0)	40	60	21111	54111	3	2	5-6-7	6BW4	6.3	50	50	66612	4	3	6-8	6
6BJ3	6.3	80	85	53411	12111	3	2	1-2-3-4	6BW6	6.3	50	50	66612	4	3	7-9	9
6BJ6	6.3	0	75	21141	11111	2	1	4-7	6BW8	6.3	15	15	15412	2	3	1-2-3	3
6BJ7	6.3	55	26	51214	31111	2	4	1-2-5-6	6BW11	(0)	40	40	21431	3	3	3-4-5-6	3
6BJ8	6.3	20	58	15612	66661	2	4	1-2	6BW3	6.3	40	40	51341	3	3	1-2-3-4	4
"	6.3	20	58	66612	51661	2	4	6-7	6BW4	6.3	0	67	11141	2	1	1-4	4
6BK4	6.3	20	58	66612	66511	2	4	8-9	6BW6	6.3	0	50	66612	1	2	7-9	7
"	6.3	50	50	51612	66661	1	6	1-2	6BW8	6.3	40	70	56121	1	2	1-9	1
"	6.3	50	50	66112	56661	1	6	3-6	6BW11	(7)	40	40	51512	3	2	1-3-7-8	7
"	6.3	7	45	66612	64511	2	3	7-8-9	6BX7	(7)	0	50	66612	3	4	1-2-3	1-3
6BK5	6.3	45	60	11665	62614	3	4	1-5-C	6BX8	(6)	70	90	66612	3	2	6-7-8-9	9
6BK7	Good	tube	reads	above	40	2	2	1-2-6-9	"	(2)	45	70	43151	3	2	1-2-3-4	1
6BK8	6.3	65	85	66621	45111	2	2	6-7-8	6BX11	6.3	32	32	11154	2	2	4-5-6-7	5
6BK11	6.3	65	85	45121	66611	2	2	1-2-3	"	6.3	32	32	11215	2	2	4-5-6	6
"	6.3	55	60	51121	41151	3	4	1-3-6-9	"	6.3	25	75	66621	2	2	6-7-8	6
"	6.3	50	50	11654	62111	3	3	4-5-C	"	6.3	25	75	45121	2	2	1-2-3	1
"	6.3	50	50	21114	15111	3	3	5-6-7	"	6.3	25	75	66621	2	2	6-7-8	6
"	6.3	50	50	11151	12411	3	3	4-8-9	"	6.3	25	75	45121	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	11146	4	1	1-4	4	6CG7	6.3	30	30	66612	2	3	6-7-8	6
6BY6		6.3	0	61164	4	1	5-8	5	"	6.3	30	30	45112	2	3	1-2-3	1
6BY7		6.3	30	51214	1	4	1-2-5-6-7	5	6CG8	6.3	65	85	66661	2	2	1-2-3	2
6BY8		6.3	45	15621	1	2	1-2-7-8	7	"	6.3	35	19	66112	3	3	3-6-7-9	6
6BY11	(0)	6.3	30	56121	3	3	1-7-8-9	7	6CH3	6.3	0	70	66621	2	1	7-9	7
"	(8)	6.3	0	11121	2	1	3-6	6	6CH8	6.3	45	45	14321	2	3	2-3-6-7	2
6BZ3	(0)	6.3	50	21511	3	3	2-3-6-7	7	"	6.3	50	50	11121	3	2	1-8-9	9
6BZ6		6.3	50	11513	2	2	3-4-5-6	6	6CH40	6.3	92	92	35121	2	2	1-2-3-6-7	6
6BZ7		6.3	0	21146	2	1	4-7	4	"	6.3	76	76	35121	1	3	8-9	8
6BZ8		6.3	40	51214	3	2	1-2-5-6	5	6CJ3	6.3	0	20	66621	4	1	7-9	7
6C4		6.3	80	66612	1	2	6-7-8	6	6CJ6	6.3	30	20	65121	2	2	2-3-9-C	C
6C5		6.3	73	45112	1	2	1-2-3	1	6CK3	6.3	0	65	64621	2	1	2-9	2
6C9		6.3	7	66612	2	3	6-7-8	6	6CK4	6.3	64	64	51614	3	1	1-5-8	5
6C10	(0)	6.3	93	45112	2	3	1-2-3	1	6CK5	6.3	0	25	66621	3	1	7-9	7
"	(5)	6.3	7	46126	1	2	1-6-7	1	6CM6	6.3	45	85	62156	2	1	3-4-8-C	C
6C16		6.3	65	62465	2	2	3-5-8	3	6CM7	6.3	55	55	15321	3	2	1-2-3-6-7	6
6C18		6.3	36	53421	2	3	1-2-3-C	3	6CL8	6.3	30	35	54121	3	2	1-2-3	2
6CA4		6.3	36	11121	2	3	6-7-8-9	9	"	6.3	70	90	11121	3	2	6-7-8-9	6
6CA7		6.3	50	21114	3	3	5-6-7	5	6CM3	6.3	0	35	64621	3	1	2-9	2
6CA11	(0)	6.3	50	15112	3	3	2-6-7	6	6CM4	6.3	55	70	45121	2	2	1-2-3	1
"	(8)	6.3	35	54111	3	3	1-2-9	2	6CM5	6.3	30	20	62635	2	2	5-8-C	C
6CB5		6.3	50	46612	4	2	1-8-9	6	6CM6	6.3	45	25	36512	4	2	1-3-7-9	9
6CB6		6.3	30	65312	3	2	2-3-6-7	1	6CM7	6.3	80	67	66112	2	2	3-6-7	6
6CC31	(0)	6.3	70	46121	3	2	1-8-9	1	6CM8	6.3	40	65	46612	2	2	1-8-9	1
6CC42		6.3	0	63421	3	2	2-3-7-8	3	"	6.3	7	25	66612	4	4	1-8-9	1
6CC43		6.3	0	46121	2	1	3-7	1	6CN7	6.3	7	50	65112	4	3	2-3-6-7	6
6CD3	(0)	6.3	30	66121	2	1	3-4-5-8	3	"	6.3	20	87	66612	1	4	6-7-8	8
6CD6		6.3	30	11435	4	1	4-5-6	4	6CQ4	6.3	10	35	55112	4	6	1-2-3	1-2
6CE3	(0)	6.3	11	21141	2	3	2-3-7	2	6CQ8	6.3	0	70	66114	2	1	3-5	5
6CE5		6.3	20	24511	2	3	3-4-5-6	6	"	6.3	50	50	15321	2	3	2-3-6-7	6
6CF6		6.3	60	11513	2	2	1-3-4-C	C	6CR6	6.3	15	15	41121	2	3	1-8-9	1
6CG3	(0)	6.3	10	31156	3	1	1-2-5-7	5	"	6.3	7	23	15126	4	6	1-5-6-7	5
		6.3	40	51214	3	2	2-5-7	2	6CS6	6.3	15	30	16124	4	3	1-2-5-6	5
		6.3	20	64125	2	3	1-6-7	1	"	6.3	11	19	51214	2	4	1-2-5-6	5
		6.3	30	46126	2	3	2-3-4-6-7-8-4-6	6	6CS7	6.3	75	90	66612	2	2	6-7-8	6
		6.3	30	21541	2	2	6-7-8	6	"	6.3	25	80	46512	2	2	1-3-9	1
		6.3	80	66621	2	2	1-2-3	1	6CT3	6.3	0	93	64621	1	1	2-9	2
		6.3	80	45121	2	2	4-7	4	6CU5	6.3	23	90	15216	3	1	1-2-6-7	7
		6.3	0	21146	2	1	3-5-8-C	C	6CU6	6.3	25	80	11635	4	1	4-5-8-C	C
		6.3	90	12115	2	1	4-7	4	6CU8	6.3	7	45	14312	3	3	2-6-7	2
		6.3	0	21146	2	1	1-2-5-6	5	"	6.3	27	40	16612	3	2	1-8-9	9
		6.3	30	51214	3	3	1-2-5-6	5	6CW4	6.3	25	35	65121	1	3	2-4-8	2
		6.3	40	51214	3	3	1-2-5-6	5	6CW5	6.3	85	85	15412	2	2	1-2-3	2
		6.3	0	21146	2	1	4-7	4	6CX8	6.3	75	75	66612	2	2	6-7-8-9	9

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6CY5	6.3	7	65	51124	36111	2	3	1-2-5-6	5
6CY7	6.3	55	70	46521	11111	2	1	1-3-9	1
"	6.3	50	55	16121	45111	2	3	6-7-8	6
6CZ5	6.3	40	67	31521	61641	2	2	1-3-7-9	9
6D1	6.3	50	50	46126	51111	3	3	1-6-7	1
6D4	6.3	0	70	56126	41111	2	1	1-5-7	7
6D10	(0)	6.3	70	21114	15611	3	2	5-6-7	5
"	(3)	6.3	70	51124	11111	3	2	1-5-6	5
"	(5)	6.3	70	54121	11111	3	2	1-2-9	2
6DA4	6.3	0	65	66114	12111	2	1	3-5	5
6DA6	6.3	35	40	15121	14311	2	3	2-3-7-8	7
6DB5	6.3	7	85	31512	61641	1	3	1-3-6-9	9
6DB6	6.3	7	85	51214	31111	3	3	1-2-5-6	5
6DC6	6.3	7	9	51214	31111	3	3	1-2-7	5
6DC8	6.3	60	60	35112	46661	4	2	1-2-3-6	6
"	6.3	80	90	66112	65561	3	4	3-7-8	7-8
6DE4	6.3	0	75	66114	12111	2	1	3-5	5
6DE6	6.3	70	85	51214	31111	3	2	1-2-5-6	5
6DE7	6.3	75	75	11121	45111	3	2	6-7-8	6
"	6.3	40	40	45621	11111	3	1	1-2-9	1
6DG6	6.3	7	93	61435	62111	3	1	3-4-5-8	3
6DJ8	6.3	50	50	66621	45111	2	2	6-7-8	6
"	6.3	50	50	45121	66611	2	2	1-2-3	1
6DK3	6.3	0	55	14621	66661	2	1	2-C	2
6DK6	6.3	65	85	51214	31111	3	2	1-2-5-6	5
6DL3	6.3	0	54	64621	66661	2	1	2-C	2
6DL4	6.3	55	65	51621	66461	2	2	1-2-8	8
6DL5	6.3	7	92	51214	36111	3	2	1-2-6	5
6DN3	6.3	0	52	64612	66611	2	1	2-9	2
6DN7	6.3	30	15	11154	12111	2	3	4-5-6	5
"	6.3	30	35	54154	12111	2	2	1-2-3	2
6DQ3	(0)	6.3	0	21146	61661	2	1	4-7	4
6DQ4	6.3	0	80	66114	12111	2	1	3-5	5
6DQ5	6.3	69	69	52136	61614	2	1	1-3-4-C	C
6DQ6	6.3	78	78	11635	62114	1	2	4-5-8-C	C
6DR4	6.3	50	50	46126	51111	3	3	1-6-7	1
6DR7	6.3	28	28	11121	45111	4	3	6-7-8	6
"	6.3	28	28	45621	11111	1	2	1-2-9	1
6DS4	6.3	50	75	14251	11111	2	2	2-4-8	2
6DS5	6.3	7	40	51124	36111	2	3	1-2-5-6	5
6DS8	6.3	45	53	66121	66451	3	2	3-8-9	8
"	6.3	40	50	35121	46661	3	3	1-2-3-6	6
6DT3	6.3	0	95	66611	26641	1	1	9-C	9
6DT4	6.3	0	80	66114	12111	2	1	3-5	5

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	
6DT5	6.3	30	30	31521	61641	3	2	1-3-7-9	9	
6DT6	6.3	8	60	51214	31111	2	4	1-2-5-6	5	
6DT8	6.3	30	90	66621	45111	3	2	6-7-8	6	
"	6.3	30	90	45121	66611	3	2	1-2-3	1	
6DU3	(0)	6.3	0	21146	61661	2	1	4-7	4	
6DV4	6.3	14	100	64251	61111	1	2	2-4-7	2	
6DW4	6.3	0	95	66621	64611	1	1	7-9	7	
6DW5	6.3	60	70	36512	61641	3	1	1-3-7-9	9	
6DX4	6.3	10	40	45211	66111	1	3	1-2-5	1	
6DX8	6.3	30	55	54121	11111	2	3	1-2-3	2	
"	6.3	30	20	11121	41531	2	3	6-7-8-9	6	
6DZ4	6.3	46	82	45211	66111	1	2	1-2-5	1	
6E5	6.3	7	80	24541	11111	4	4	2-3-4-5	4	
6E8	6.3	7	30	12435	41111	2	4	3-4-5-6-8	3	
"	6.3	15	35	12435	41111	2	4	6	6	
6EA4	(3)	6.3	50	11266	61514	4	4	7-8-C	C	
"	Cap goes to top of tube.	6.3	70	51214	36111	3	2	1-2-5-6	5	
6EA5	6.3	15	82	11154	12111	4	3	4-5-6	5	
6EA7	6.3	20	70	54111	12111	2	1	1-2-3	2	
"	6.3	75	65	46612	66151	2	2	1-8-9	1	
6EA8	6.3	60	80	65312	41661	3	2	2-5-6-7	6	
6EB5	6.3	40	50	15211	15111	4	4	1-2-5-7	2-7	
6EB8	6.3	70	70	15412	66661	4	2	1-2-3	3	
"	6.3	75	75	66612	15341	2	2	6-7-8-9	9	
6EC4	6.3	0	25	64121	66661	3	1	2-C	2	
6ED4	6.3	60	15	16621	66564	4	5	1-8-C	C	
6EF4	(2)	6.3	40	21166	61564	4	4	7-8-C	C	
6EH4	(2)	6.3	70	11261	11514	3	4	7-8-C	C	
"	Cap goes to top of tube.	6.3	47	15126	34111	2	2	1-2-6-7	7	
6EH5	6.3	30	40	15612	14311	2	3	1-2-7-8	7	
6EH7	6.3	20	65	15412	66661	3	2	1-2-3	3	
6RH8	6.3	20	75	66612	15341	2	3	6-7-8-9	9	
6EJ4	(2)	6.3	70	11261	11514	3	4	7-8-C	C	
"	Cap goes to top of tube.	6.3	11	100	15612	14311	2	2	1-2-7-8	7
6EJ7	6.3	20	50	11665	62614	4	5	1-5-C	C	
6EL4	6.3	10	60	36512	61641	3	2	1-3-7-9	9	
6EM5	6.3	55	55	11154	12111	2	3	4-5-6	5	
6EM7	6.3	55	55	54111	12111	2	1	1-2-3	2	
"	6.3	80	54	12665	61614	3	4	1-5-C	C	
6EN4	6.3	30	40	15121	34661	2	3	2-3-6-7	7	
6EQ7	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	6FH8	6.3	81	20	65412	66661	1	3	2-3	3
6ES8	6.3	7	60	66612	45111	2	2	6-7-8	"	6.3	77	71	46612	53661	2	3	1-6-7	1
6EU7	6.3	7	60	45112	66611	2	2	1-2-3	"	6.3	85	71	66612	53461	2	3	6-7-8	8
6EU8	6.3	26	80	12166	64511	3	3	7-8-9	6FJ7	(0)	14	71	66612	53641	2	3	6-7-9	9
"	6.3	26	80	12115	46661	3	3	4-5-6	"	(0)	25	55	21514	61111	2	2	3-5-7	5
6EV5	6.3	17	28	65412	16661	2	3	2-3-6	6FW7	(5)	45	75	15411	21111	3	2	1-2-3	3
6EV7	6.3	14	95	46612	65131	2	3	1-7-8-9	"	(8)	30	30	11615	41121	3	3	4-5-6	6
"	6.3	60	60	51214	36111	3	2	1-2-5-6	6FMS	(0)	50	50	21514	61611	2	1	3-5-7	5
6EW6	6.3	20	10	11121	45111	3	3	6-7-8	"	(0)	0	100	14112	11111	1	1	2-3	2
6EW7	6.3	20	10	45121	11111	3	3	1-2-3	"	6.3	0	98	11112	41111	1	1	1-6	6
6EX6	6.3	75	82	51214	31111	3	2	1-2-5-7	6FQ5	6.3	77	85	66612	61541	1	1	7-8-9	9
6EX8	6.3	90	42	11121	45111	1	3	6-7-8	"	6.3	60	70	15214	16111	2	2	1-2-5	5
6EZ8	6.3	84	90	45621	11111	1	1	1-2-9	6FQ7	6.3	31	31	11121	45111	2	3	6-7-8	6
"	6.3	35	50	12115	11314	3	2	3-5-8-C	"	6.3	31	31	45121	11111	2	3	1-2-3	1
6F5	6.3	60	40	61435	62111	3	2	3-4-5-8	6FR7	6.3	40	75	11121	45111	3	3	6-7-9	6
6F6	6.3	10	30	15412	66661	2	4	1-2-3	"	6.3	20	30	45621	11111	3	1	1-2-9	1
6F7	6.3	15	85	66612	45661	2	3	6	6FS5	6.3	54	20	51214	36111	2	3	1-2-5-6	5
6F8	6.3	15	75	66612	66451	2	3	8	6FV6	6.3	55	70	56214	31111	3	2	1-5-6-7	5
6F9	6.3	88	83	11141	12115	2	2	4-8-C	6FV8	6.3	60	85	66621	43151	3	2	6-7-8-9	6
6F10	6.3	75	75	61435	62111	2	2	3-4-5-8	6FW5	6.3	60	70	54121	66661	2	2	1-2-3	2
6F19	6.3	13	87	61151	32411	4	2	4-5-6-8	"	6.3	80	85	52114	11311	3	1	1-3-5-8	5
6F21	6.3	45	60	15621	14311	2	3	1-2-7-8	6FY5	6.3	7	70	65214	61666	2	3	2-5-7	5
6F22	6.3	25	70	51124	13111	3	3	1-2-5-7	6FY7	(0)	20	100	21514	11611	1	1	3-5-7	5
6F23	6.3	20	30	31121	41151	4	3	1-3-6-9	"	(6)	40	57	61541	12111	1	4	2-3-4	4
6F26	6.3	30	40	15612	14311	2	3	1-2-7-8	6G11	(6)	7	75	21511	43111	2	4	2-3-4-6-7	6
6F29	(0)	45	60	15621	14311	2	3	1-2-7-8	"	(6)	87	97	51342	11111	2	1	1-2-3-4	4
6F30	(7)	0	90	24111	66111	1	1	2-4	6GA7	(0)	70	60	23651	64661	3	1	2-4-5-7	7
6F32	6.3	45	60	61563	16214	2	1	2-3-5-C	"	(6)	0	75	16641	12111	2	1	1-4	4
6F33	6.3	11	100	15612	14311	2	2	1-2-7-8	6GB3	6.3	50	70	12135	11114	2	2	4-5-8-C	C
6F35	6.3	35	35	51214	36111	2	3	1-2-5-6	6GB5A	6.3	78	78	65121	36664	1	2	2-3-6-C	C
6FD6	6.3	25	25	51124	31111	2	3	1-2-5-6	6GB6	6.3	91	80	11635	62114	2	1	4-5-8-C	C
6FD7	6.3	50	60	11121	45111	3	3	6-7-8	6GB7	6.3	42	72	12135	11114	2	2	4-5-8-C	C
6FE5	6.3	50	60	45621	11111	2	1	1-2-9	6GB9	6.3	78	78	11635	62114	1	2	4-5-8-C	C
6FG5	6.3	70	75	12435	11111	3	1	3-4-5-8	6GC5	6.3	40	50	36512	61641	2	2	1-3-7-9	9
6FG6	6.3	25	25	51214	36111	4	3	1-2-5-6	6GE5	(0)	60	84	23516	64661	2	1	2-3-4-7	7
6FG7	6.3	15	60	56121	43641	2	5	1-3-6-7-9	6GF5	(0)	36	89	46612	66151	2	1	2-3-4-7	7
6FH5	6.3	50	90	54112	66661	2	2	1-2-3	6GF7	6.3	27	95	11121	11451	2	3	1-8-9	8
6FH6	6.3	72	90	66112	43651	3	2	3-6-7-9	"	6.3	15	15	65121	41111	1	2	2-3-6	6
	6.3	10	45	65214	61666	2	3	2-5-7	6GH8	6.3	80	89	65312	41661	2	2	2-3-6-7	6
	6.3	20	20	11635	62114	2	2	4-5-8	"	6.3	36	89	46612	66151	2	2	1-8-9	1
										Good tube reads			above	50.				
										6.3	55	95	35121	66164	2	1	1-2-3-C	C
										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
										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	6.3	25	15112	64361	3	2	7	6HD7		6.3	55	15621	3	2	1-2-6-7	6
6GK17	6.3	0	75	66114	12111	2	1	5	"		6.3	92	16621	2	2	1-8-9	8
6GL7	6.3	40	80	11154	12111	4	2	5	6HE5	(0)	6.3	40	25311	3	2	2-3-4-6	6
6GM5	6.3	7	35	54111	12111	1	2	2	6HE7	(0)	6.3	0	24111	1	1	2-4	2
6GM6	6.3	100	90	36612	51641	3	1	2	"	(7)	6.3	45	61563	2	1	2-3-5-C	C
6GM8	6.3	30	70	51214	36111	4	2	5	6HP5	(2)	6.3	70	21163	3	1	5-6-7-C	C
6GN8	6.3	20	0	66621	45111	1	3	6	"		Cap goes to top of tube.						
"	6.3	20	0	45121	66611	1	3	1	6HF8		6.3	90	15412	3	2	1-2-3	3
"	6.3	55	25	15412	66661	1	4	3	"		6.3	70	66612	2	2	6-7-8-9	9
"	6.3	75	50	66612	15341	2	2	9	6HG5		6.3	67	51214	2	2	1-2-5-6	5
6GQ7	6.3	0	80	14621	11111	2	1	2	6HG8		6.3	18	15612	3	3	1-2-8-9	8
"	6.3	0	80	11621	11411	2	1	8	"		6.3	93	16612	1	2	1-6-7	7
6GS7	6.3	10	70	54112	66661	2	2	6	6HJ5	(0)	6.3	70	21563	2	1	2-3-5-7	7
6GS8	6.3	65	80	66112	43651	3	2	6	6HJ7		6.3	24	16621	2	2	1-8-9	8
6GT5	6.3	40	50	13412	15661	2	4	3	"		6.3	40	15621	2	3	1-2-6-7	6
6GU5	6.3	85	90	35121	66411	2	4	8	6HJ8		6.3	0	66612	1	2	7-8	8
6GU7	6.3	10	15	51214	36111	2	1	5	"		6.3	70	15312	3	2	1-2-3-6	6
"	6.3	55	80	11121	45111	2	2	6	6HK5		6.3	25	51214	2	2	1-2-5	5
"	6.3	55	80	45121	11111	2	2	6	6HK8		6.3	50	11121	2	2	6-7-8	6
6GV5	(4)	93	65	16112	13654	1	2	1	"		6.3	50	45121	2	2	1-2-3	1
6GV7	6.3	30	30	46121	66151	3	2	C	6HL5		6.3	30	56121	2	2	1-3-7-9	7
6GV8	6.3	70	75	63421	63161	3	2	1	6HL8		6.3	55	46612	3	2	1-8-9	1
6GW6	6.3	15	60	66612	43151	1	3	3	"		6.3	90	65312	3	2	2-3-6-7	6
6GW8	6.3	15	80	45112	66661	4	2	6	6HM5		6.3	95	51214	1	2	1-2-5	5
6GX6	6.3	7	75	11635	62114	3	1	1	6HM6		6.3	45	15621	2	3	1-2-7-8	7
6GX7	6.3	47	47	66312	41561	3	2	C	6HQ5		6.3	20	51214	2	2	1-2-5	5
6GY6	6.3	30	90	51612	66641	3	3	6	6HR5		6.3	20	51124	2	3	1-2-5-6	5
6GY8	6.3	80	90	51214	31111	4	2	5	"		6.3	85	56124	3	2	1-5-6-7	5
"	6.3	70	75	15621	43661	3	2	6	6HS5	(0)	6.3	60	25316	3	2	2-3-4-7	7
6GZ5	6.3	45	40	16621	66451	3	2	8	6HS6		6.3	25	51124	2	3	1-5-6-7	5
6H6	6.3	80	90	51214	31111	4	2	5	6HS8		6.3	53	13412	2	4	1-2-3-7	3
6HA5	6.3	7	35	66612	41661	3	3	6	"		6.3	53	13612	2	4	1-2-7-8	8
6HA6	6.3	7	50	66512	66411	3	3	8	"		Good tube reads above 50.						
6HB6	6.3	7	35	54612	66661	3	3	8	6HT6		6.3	77	15612	3	2	1-2-7-8	7
6HB7	6.3	60	60	15126	34111	3	2	5	6HU6		6.3	50	56121	2	3	1-3-6-7-9	9
6HD5	(0)	90	70	61516	62111	3	3	7	"		6.3	50	56121	2	3	9	9
"	6.3	90	70	61665	62111	3	3	7	6HU8		6.3	55	35421	3	2	1-2-3-6-7	3
"	6.3	55	40	51214	66111	1	3	5	6HV5	(0)	6.3	60	25316	3	2	6-7-8-9	8
6HA5	6.3	67	50	15121	34661	2	2	7	"		6.3	70	34312	3	3	2-3-4-7	7
6HA6	6.3	50	50	15121	34661	2	2	7	6HW8		6.3	38	25316	2	3	2-3-4-7	7
6HB6	6.3	75	80	15621	43661	3	2	6	"		*1-2-3-6-8-9						
6HB7	6.3	50	60	16621	66451	3	2	8	6HZ5	(0)	6.3	30	51214	3	3	1-2-5-6	5
6HD5	(0)	65	70	21513	64661	2	1	7	6HZ6		6.3	65	66621	2	2	6-7-8-9	9
"	6.3	65	70	21513	64661	2	1	7	6HZ8		6.3	30	51214	2	2	1-2-3	3
"	6.3	65	70	21513	64661	2	1	7	"		6.3	30	51214	2	2	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	6JS6	(4)	6.3	65	66112	13654	2	1	6-7-8-9-C	C	
6J5	6.3	88	20	61465	62111	1	3	3-5-8	"		Cap goes to top of tube.								
6J6	6.3	20	20	64125	61111	2	3	2-5-7	6JT6		6.3	58	35121	66641	1	2	1-2-3-9	9	
"	6.3	20	20	46126	51111	2	3	1-6-7	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	"		6.3	20	66612	15341	3	2	6-7-8-9	9	
6J9	6.3	60	70	45121	11111	3	2	1-2-3	6JU6		6.3	100	65121	63164	1	1	2-3-7-C	C	
"	6.3	60	70	11121	46651	3	2	6-9-10	6JU8		6.3	0	41121	11111	1	1	1-2	1	
"	6.3	60	70	11121	65461	3	2	7-8-10	"		6.3	0	64121	11111	1	1	2-3	1	
6J10	(6)	55	55	14151	12311	3	2	2-4-8-9	"		6.3	0	11121	14111	1	1	7-8	2	
"	(0)	40	35	21141	35111	4	4	4-6-7-8	"		6.3	0	11121	16411	1	1	8-9	8	
6J11	(0)	65	75	23465	11111	3	2	2-3-5-6	6JV8		6.3	65	66621	15341	3	2	6-7-8-9	9	
6JA5	(7)	65	75	31465	21111	3	2	1-2-3-5	"		6.3	60	15421	66661	3	2	1-2-3	3	
6JA8	(0)	65	85	25316	46661	1	2	2-3-4-6	6JW8		6.3	62	41121	11151	3	2	1-8-9	1	
"	6.3	69	93	66612	15341	1	3	6-7-8-9	6JY8		6.3	74	15321	41111	3	2	2-3-6-7	6	
6JB5	(0)	98	84	15412	66661	1	3	1-2-3	"		6.3	50	15412	66661	3	2	1-2-3	3	
6JB6	(0)	60	60	25311	41161	2	2	2-3-4-6	6JZ6	(4)	6.3	60	66612	15341	3	2	6-7-8-9	9	
6JC5	(0)	35	55	65121	63164	4	1	2-3-7-C	"		6.3	30	61112	13654	3	1	6-7-9-C	C	
"	(0)	40	66	25311	41661	2	2	2-3-4-6	6JZ8	(0)	6.3	40	21141	56311	2	2	4-6-8-9	4	
6JC6	6.3	55	80	15621	14361	3	2	1-2-7-8	"	(4)	6.3	70	51112	41111	3	2	1-2-6	6	
6JC8	6.3	68	18	15312	46661	3	3	1-2-3-6	6K6		6.3	50	61435	62111	3	2	3-4-5-8	3	
6JD5	(0)	26	96	66612	61541	2	2	7-8-9	6K7		6.3	75	61431	62115	2	2	3-4-8-C	3	
6JD6	6.3	38	38	25316	64661	2	3	2-3-4-7	6K8		6.3	7	11665	42111	2	3	5-6-8	6	
6JE6	6.3	90	50	15621	14361	3	2	1-2-7-8	"		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	6K11	(5)	6.3	25	54121	11111	2	3	1-2-9	2	
"	6.3	60	60	66612	15341	3	2	6-7-8-9	"	(2)	6.3	40	11211	14151	3	3	7-8-9	7	
6JF6	6.3	70	80	35121	66664	2	1	1-2-3-C	6KA8	(3)	6.3	40	51124	11111	3	3	1-5-6	5	
6JG5	6.3	78	50	66621	15341	2	2	6-7-8-9	"		6.3	20	45121	61611	3	3	1-2-3	1	
6JG6	6.3	40	40	35121	66641	3	1	1-2-3-9	6KD6	(4)	6.3	20	66121	51341	3	3	3-6-8-9	9	
6JH5	(0)	35	10	25316	64661	1	4	2-3-4-7	"		6.3	7	16112	13154	1	2	6-7-9-C	C	
6JH6	6.3	30	87	51214	31111	3	2	1-2-5-6	6KD8		6.3	50	60	46612	66151	3	2	1-8-9	1
6JH8	6.3	25	25	11421	51441	4	3	3-6-8-9	"		6.3	80	65312	41661	3	2	2-3-6-7	6	
6JK5	(0)	52	10	25316	64661	1	4	2-3-4-7	6KE8		6.3	50	80	41121	11151	2	2	1-8-9	1
6JK6	6.3	85	51214	31111	3	2	1-2-5-6	6KG6A		6.3	50	35	56321	66614	2	1	1-3-9-C	C	
6JK8	6.3	55	59	45112	66611	2	2	1-2-3	6KH8		6.3	0	45121	11131	2	4	1-2	1	
6JL6	6.3	53	100	66612	45111	1	3	6-7-8	"		6.3	50	15421	11131	3	2	2-3-9	3	
6JM6	(3)	18	85	51214	31111	2	2	1-2-5-6	"		6.3	50	11121	51431	3	2	6-8-9	8	
"	(5)	35	85	11121	36514	2	1	5-6-8-C	6KL8		6.3	28	15121	34661	2	3	2-3-6-7	7	
6JN6	6.3	90	72	16521	11364	2	1	3-7-8-C	"		6.3	0	11121	11461	1	3	8	8	
6JN8	6.3	44	80	66621	43151	3	2	6-7-8-9	6KM6		6.3	40	50	65121	63164	3	1	2-3-7-C	C
"	6.3	23	80	54121	66661	2	2	1-2-3	6KM8		6.3	40	35	11421	16661	1	3	3-6	3
6JQ6	6.3	13	54	46321	65611	2	2	1-3-7-9	"		6.3	60	41621	15311	3	3	1-6-7-8	1	
6JR6	6.3	65	70	35121	66641	1	2	1-2-3-9	"		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	11213	55	7	4-5-6-7-C	C	6LN8		6.3	35	70	46612	2	2	1-8-9	1
6KN8		6.3	35	66612	35	35	6-7-8	6	6LN8		6.3	50	70	65312	4	2	2-3-6-7	6
6KR8		6.3	35	45112	66611	2	1-2-3	1	6LQ6		6.3	25	20	35121	4	1	1-2-3-C	C
6KS6		6.3	25	66621	15341	3	6-7-8-9	3	6LQ8		6.3	50	64	15421	3	2	1-2-3	3
6KT6		6.3	70	15421	66661	2	1-2-3	9	6LR6	(4)	6.3	35	35	66621	3	2	6-7-8-9	9
6KT8		6.3	24	15213	14111	2	1-2-5-7	7	6LR6		6.3	50	30	66112	1	2	6-7-8-9-C	C
		6.3	50	15621	14311	3	1-2-7-8	7	6LR8		6.3	82	85	65121	2	1	2-3-6-7	6
		6.3	40	15421	11111	2	1-2-3	3	6LR8		6.3	72	45	11121	1	3	1-8-9	8
		6.3	30	11121	15341	2	6-7-8-9	9	6LT8		6.3	70	75	13421	3	2	1-2-3-9	3
		6.3	30	11121	15341	2	6-7-8-9	9	6LR6		6.3	83	68	51214	2	2	6-7-8	6-8
6KJ8		6.3	40	16512	66661	1	1-3	3	6LU6		6.3	90	90	31111	2	2	1-2-5-6	5
"		6.3	40	15612	66661	1	1-2	2-3	6LU8	(0)	6.3	90	90	21141	2	1	4-6-8-9	4
6KV6		6.3	80	66612	15341	3	6-7-8-9	9	6LV6	(4)	6.3	70	70	51112	2	2	1-2-6	6
6KY8		6.3	65	35121	66141	2	1-2-3-9	3	6LX6	(2)	6.3	10	70	11213	1	2	4-5-7-C	C
"		6.3	30	15412	66661	3	1-2-3	9	6LX6	(4)	6.3	23	19	66112	1	2	6-7-9-C	C
6KX8		6.3	50	66612	15341	3	6-7-8-9	3	6LW6		6.3	60	50	61365	2	1	2-3-5-C	C
"		6.3	55	11111	11111	3	1-2-3	7	6LX8		6.3	70	70	41121	3	2	1-8-9	1
6KY6		6.3	52	11121	14151	3	7-8-9	6	6LY8		6.3	37	37	15321	2	3	2-3-6-7	6
6KY8		6.3	45	15121	45111	3	1-2-7-8	7	6LZ6		6.3	67	20	15412	3	3	1-2-3	3
"		6.3	75	15121	45111	3	1-2-3-6-7	8	6M3		6.3	67	49	66612	2	2	6-7-8-9	9
		6.3	85	11121	11451	3	1-8-9	8	6M1	(2)	6.3	65	50	35121	1	2	1-2-3-C	C
6KZ8		6.3	25	46612	66151	2	1-8-9	1	6M1	(0)	6.3	70	50	21115	3	2	4-5-6	6
"		6.3	34	65112	43661	2	2-3-6-9	6	"	(0)	6.3	70	50	21111	3	2	7-8-9	7
6L6		6.3	55	61435	62111	4	3-4-5-8	3	6MA6	(4)	6.3	95	98	66266	3	3	1-2-6-7	2
6L31		6.3	70	51124	36111	3	1-2-5-6	5	6MB6	(5)	6.3	83	76	51321	1	2	1-3-7-C	C
6LB6	(2)	6.3	83	11213	65164	1	4-5-7-C	C	6MB6		6.3	40	42	66621	2	3	6-7-8-9	6
6LB8		6.3	40	66621	15341	2	6-7-8-9	9	6MC6		6.3	25	30	54121	2	3	1-2-3	2
6LB8		6.3	30	15421	66661	4	1-2-3	3	6MC6		6.3	18	100	35121	1	1	1-2-3-C	C
6LC6		6.3	55	32665	11114	4	1-5-6-C	C	6MD6		6.3	40	40	66421	3	2	3-6-7	3
6LC8		6.3	80	45121	11111	3	1-2-3	1	6MD6		6.3	40	40	46621	3	2	2-7-8	2
6LD6		6.3	30	11121	51341	3	6-7-8-9	9	6ME5		6.3	20	90	52124	4	4	1-7-9	1
6LD6		6.3	66	15621	34661	2	1-2-6-7	7	"		6.3	20	70	54124	4	4	5	5
6LE8		6.3	20	41121	66351	2	1-3-8-9	1	6ME6		6.3	15	100	54124	4	3	2-5-7	2
6LF6		6.3	40	66121	41351	2	3-6-8-9	6	6ME8		6.3	17	65	35121	1	2	1-2-3-C	C
6LF8	(2)	6.3	10	11213	15164	1	4-5-7-C	3	6ME8		6.3	42	15	33421	3	3	*	8-9
6LF8		6.3	30	15412	66661	3	1-2-3	9	6ME8		6.3	42	15	33421	3	3	*	8-9
		6.3	50	66612	15341	3	6-7-8-9	9	6ME8		6.3	42	15	33421	3	3	*	8-9
6LG6	(6)	6.3	7	15132	11164	2	2-3-4-C	C	6ME8		6.3	42	15	33421	3	3	*	8-9
6LH6		6.3	55	32665	11114	4	1-5-6-C	C	6ME8		6.3	42	15	33421	3	3	*	8-9
6LJ6		6.3	40	62665	11114	4	6-C	C	6ME8		6.3	42	15	33421	3	3	*	8-9
6LJ8		6.3	40	54112	66661	2	1-2-3	2	6ME8		6.3	42	15	33421	3	3	*	8-9
6LJ8		6.3	50	66112	43651	3	3-6-7-9	6	6ME8		6.3	42	15	33421	3	3	*	8-9
6LM8		6.3	40	46612	66151	3	1-8-9	1	6ME8		6.3	42	15	33421	3	3	*	8-9
6LM8		6.3	50	65312	41661	3	2-3-6-7	7	6ME8		6.3	42	15	33421	3	3	*	8-9

UBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
6 MF8	(0)	6.3	95	21141	56311	2	2	4	6RA9	6.3	93	55	15121	1	2	1-2-9	9
"	(4)	6.3	50	51112	41111	3	2	6	6RB11	6.3	95	90	31521	1	2	1-3-7-9	9
MG8		6.3	30	15321	41111	3	3	6	6RH2	6.3	50	70	11121	2	2	6-7-8	6
"		6.3	60	41121	11151	4	3	1	"	6.3	50	70	45121	2	2	1-2-3	1
MH1		6.3	7	61126	54111	2	3	7	6RHH8	6.3	35	35	66612	2	2	6-7-8	6
MHG	(2)	6.3	10	11213	15164	1	2	C	"	6.3	35	35	45112	2	2	1-2-3	1
MHH3		6.3	45	64215	61111	3	2	2	6RKJ9	6.3	0	70	66621	2	1	9-C	9
"		6.3	45	46216	51111	3	2	1	6RP15	6.3	45	75	56121	2	2	1-3-7-9	7
MJ6		6.3	90	65121	63164	2	1	C	"	6.3	50	95	15321	3	2	1-2-3-6	6
MJ8	(0)	6.3	66	100	26161	1	2	6	6RP22	6.3	7	50	61512	2	3	2-3-9	9
"	(4)	6.3	66	100	56112	1	2	8	6S4	6.3	15	70	11435	4	3	3-4-5-6	3
"	(3)	6.3	66	100	51124	16165	1	2	6SA7	6.3	20	28	14566	3	4	2-3-6	2
MK8		6.3	70	13412	15661	3	3	3	6SC7	6.3	20	28	16654	3	4	4-5-6	5
"		6.3	70	13612	65411	3	3	8	"	6.3	68	50	11514	2	3	2-3-5	5
ML4		6.3	35	77	45211	1	2	1	6SF5	6.3	25	25	12156	3	3	3-4-6-8	8
ML8		6.3	70	72	46621	2	2	1	6SG7	6.3	50	97	11156	3	2	3-4-6-8	8
"		6.3	70	72	64621	2	2	2	"	6.3	55	55	61151	2	3	4-5-8	8
"		6.3	40	90	26166	2	2	6	6SJ7	6.3	15	13	61151	3	3	4-5-6-8	8
MN8	(0)	6.3	40	90	66326	2	2	7	6SK7	6.3	20	15	54111	3	4	1-2-3	2
"	(5)	6.3	40	90	14161	2	2	8	6SL7	6.3	20	15	11154	3	4	4-5-6	5
"	(6)	6.3	40	90	66651	12416	2	2	"	6.3	79	80	54111	2	2	1-2-3	2
MP17		6.3	95	20	51214	31111	2	5	6SN7	6.3	79	80	11154	2	2	4-5-6	5
MP20		6.3	61	61	51124	36111	2	5	"	6.3	22	30	65166	1	5	2-3-6	6
MQ8		6.3	75	60	41121	11151	2	1	6SQ7	6.3	22	15	65166	4	6	4	4
"		6.3	70	90	15321	41111	2	6	"	6.3	22	15	65166	4	6	5	5
MU8		6.3	69	70	15312	41661	2	6	"	6.3	77	77	45211	1	2	1-2-5	1
"		6.3	60	70	41112	11151	2	1	6T1	6.3	50	50	56612	3	5	1-7	1
MV8		6.3	70	85	15421	66661	2	3	6T8	6.3	50	50	66612	3	3	7-8-9	9
"		6.3	46	100	66621	15341	2	9	"	6.3	50	50	63112	3	4	2-3	2
MX8		6.3	45	65	15121	45111	3	6	"	6.3	50	50	56612	3	5	6-7	6
"		6.3	68	90	11121	11451	3	8	"	(0)	30	50	24151	3	3	2-4-5	2
MY8	(0)	6.3	85	86	21141	56311	2	4	6T9	6.3	50	65	61513	3	2	3-4-5-6	6
IN3		6.3	0	30	66121	66641	4	9	6T10	6.3	35	35	21511	3	3	2-3-6-7	7
IN7		6.3	20	65	11456	62111	2	3	"	(0)	35	45	51341	3	2	1-2-3-4	4
"		6.3	20	65	11665	42111	2	6	6U8	6.3	44	73	63312	2	3	2-3-6-7	6
PL12		6.3	70	85	56621	66141	3	9	"	6.3	55	90	46612	2	2	1-8-9	1
Q4		6.3	35	55	61521	43661	2	6	6U9	6.3	50	50	16112	1	3	1-8-9	9
Q7		6.3	50	40	66121	15641	3	6	"	6.3	35	40	61512	1	4	2-3-7-8	7
"		6.3	44	45	61466	62115	2	3	6U10	6.3	65	60	54121	3	2	1-2-9	2
Q11	(5)	6.3	7	0	11466	12115	4	4-5	"	6.3	65	60	52114	3	2	1-5-6	5
"	(0)	6.3	60	60	54111	21111	3	2	"	6.3	60	40	21114	3	3	5-6-7	5
"	(3)	6.3	50	50	21114	15611	3	5	6V3	6.3	0	75	13121	4	1	2-C	2
IR3		6.3	0	35	66621	66641	3	1	6V4	6.3	0	85	46121	2	1	1-3	1
IR4		6.3	50	55	51121	11411	2	2	"	6.3	0	85	66121	2	1	3-7	7
IRA6		6.3	70	80	15621	66641	1	9	6V6	6.3	40	40	61435	4	2	3-4-5-8	3

TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
6V9	6.3	65	65	11532	1	4	1-3-4-7	7
"	6.3	55	55	11112	1	3	8-9-C	C
6W4	6.3	0	40	66114	3	1	3-5	5
6W6	6.3	35	40	12435	2	2	3-4-5-8	3
6X4	6.3	0	90	41121	2	1	1-7	1
"	6.3	0	90	61111	2	1	6-7	6
6X5	6.3	0	25	61614	1	2	5-8	5
"	6.3	0	27	61416	1	2	3-8	3
6X8	6.3	20	30	16621	3	3	6-7-8-9	9
"	6.3	20	90	15421	2	2	2-3	3
6X9	6.3	87	40	16112	1	3	1-9-C	9
"	6.3	18	10	61512	2	3	2-3-7-8	7
6Y6	6.3	90	90	61435	2	1	3-4-5-8	3
6Y9	6.3	85	80	51342	1	3	1-2-3-4	4
6Z4	6.3	60	60	11112	1	3	7-8-9-C	C
"	6.3	0	90	41121	2	1	1-7	1
6Z10	(6)	55	55	14151	3	2	4-8-9	6
"	(0)	50	85	21141	2	4	4-6-7-8	2
7A6	7.5	0	60	16611	1	3	6-7	4
"	7.5	0	60	11411	1	3	2-3	6
7A8	7.5	7	55	24453	4	3	2-3-4-7	3
7A9	7.5	7	50	14311	4	3	2-3-6-7	2
7A97	7.5	75	70	15421	4	2	*	3-9
7A97	*1-2-3-6-7-9							
7A97	7.5	95	100	45121	1	2	1-2-3	1
7B7	7.5	90	100	11121	1	2	6-7-8	6
7C5	7.5	60	23	14311	2	3	2-3-6-7	2
7C6	7.5	30	50	14366	4	2	2-3-6-7	2
"	7.5	7	22	16665	4	6	5-6-7	5-6
"	7.5	15	78	14566	3	4	2-3-7	2
7C7	7.5	13	25	23416	2	4	2-3-6-7	2
7CL8	6.3	30	35	54121	3	2	1-2-3	2
7D11	6.3	70	90	11121	3	2	6-7-8-9	6
7DZ7	6.3	15	98	11435	2	1	3-4-5-8	3
"	6.3	7	70	66654	4	2	4-5-6	5
7F7	6.3	7	70	54166	4	2	1-2-3	2
"	6.3	60	40	11456	3	3	2-3-4	3
7GS7	7.5	20	80	16665	3	3	5-6-7	6
"	7.5	65	80	66112	2	2	3-6-7-9	2
7GV7	7.5	30	30	46121	3	2	1-8-9	1
"	7.5	70	75	63421	3	2	2-3-7-8	3
7HG8	7.5	18	10	15612	3	3	1-2-8-9	8
"	7.5	93	80	16612	1	2	1-6-7	7
7K7	7.5	20	90	21456	3	3	2-3-4	3
"	7.5	60	60	26665	5	5	5-6-7	5-6

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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	11243	3	2	4-5-8	4	8JY8		7.5	60	15412	3	2	1-2-3	3
8CG7	(8)	9.0	70	11435	3	2	3-4-5-6	3	8KI1	(5)	7.5	65	66612	3	2	6-7-8-9	9
8CM7		7.5	67	11112	2	3	6-7-8	6	"	(2)	7.5	25	54121	3	3	1-2-9	2
8CN7		7.5	67	45112	2	3	1-2-3	1	"	(3)	7.5	41	11211	3	3	7-8-9	7
8CS7		7.5	30	66112	2	3	3-6-7	6	8KA8		7.5	40	51124	3	3	1-5-6	5
8CS8		7.5	15	46612	2	3	1-8-9	1	8KR8		7.5	16	66112	2	3	3-6-8-9	9
8CW5		7.5	20	66612	1	4	6-7-8	8	8LC8		7.5	16	45112	2	3	1-2-3	1
8CX8		7.5	10	55112	1	4	1-2-3	1-2	8LE8		7.5	25	66621	2	2	6-7-8-9	9
8CY7		7.5	90	46512	2	2	1-3-9	1	"		7.5	65	15421	2	2	1-2-3	3
8D5		7.5	90	66612	2	2	6-7-8	6	"		9.0	80	45121	3	2	1-2-3	1
8D6		7.5	75	66612	2	2	6-7-8	6	"		9.0	30	11121	3	3	6-7-8-9	9
8D8		7.5	25	46512	2	2	1-3-9	1	"		7.5	20	41121	2	3	1-3-8-9	1
8DX8		7.5	10	65112	2	2	2-3-7-9	7	"		7.5	40	66121	2	3	3-6-8-9	6
8EB8		7.5	85	15412	2	2	1-2-3	3	8LS8		7.5	56	15121	2	2	1-2-3-7-8	7
8EM5		7.5	75	66612	2	2	6-7-8-9	9	8LT8		7.5	70	13421	3	2	1-2-3-9	3
8ET7		7.5	35	46512	2	1	1-3-9	1	"		7.5	97	63421	2	6	7-6-8	6-8
8FE5		7.5	40	66612	2	4	6-7-8	6	8LX8		7.5	70	41121	3	2	1-8-9	1
8FQ7		6.3	45	51121	3	3	1-3-7-8	8	"		7.5	37	15321	2	3	2-3-6-7	6
8FY7		6.3	7	15612	2	3	1-2-7-8	7	8MD8		7.5	40	66421	3	2	3-6-7	3
8GJ7		7.5	40	36121	2	3	1-3-6-9	6	"		7.5	30	64621	3	2	2-7-8	2
8GN8		7.5	30	54121	2	3	1-2-3	2	8MJ8		7.5	30	46621	3	2	1-7-9	1
8GU7		7.5	30	11121	2	3	6-7-8-9	6	"		9.0	69	15312	2	2	2-3-6-7	6
8GV7		7.5	14	66612	3	2	1-2-3	3	8MV8		6.3	70	41112	2	2	1-8-9	1
8HJ8		7.5	11	55121	2	4	1-2-3	3	"		6.3	85	15421	2	2	1-2-3	3
8HN8		9.0	25	31521	3	2	1-3-7-9	3	8U9		6.3	46	66621	2	2	6-7-8-9	9
8JF8		7.5	50	16512	1	6	1-3	1	"		7.5	50	16112	1	3	1-9-C	9
8JK8		7.5	50	15612	1	6	1-2	2	8X9		7.5	35	61512	1	4	2-3-7-8	7
8JL8		7.5	7	66612	3	2	6-7-8-9	9	"		7.5	87	16112	1	3	1-9-C	9
8JN8		6.3	70	12435	3	1	3-4-5-8	3	9A8		7.5	18	61512	2	3	2-3-7-8	7
8JP7		7.5	67	11121	1	3	6-7-8	6	"		9.0	30	15321	2	3	2-3-6-7	6
8JQ7		7.5	67	45121	1	3	1-2-3	1	9AH9		9.0	30	41121	2	2	1-8-9	1
8JR7		(0)	20	21514	1	1	3-5-7	5	"	(0)	9.0	40	25411	3	2	2-3-4	3
8JS7		(6)	40	61541	1	4	1-2-6-7	4	9AK10		9.0	70	13114	2	2	1-2-5-6	2
8JY8		7.5	22	15612	3	2	1-2-3	3	"	(0)	9.0	65	21114	2	2	5-6-7	2
8KJ8		7.5	22	16612	2	2	1-8-9	6	"	(6)	9.0	65	11152	2	2	4-8-9	2
8KL8		7.5	55	15412	1	4	1-2-3	3	9AM10		9.0	66	11154	2	2	4-5-C	2
8KM8		7.5	75	66612	2	2	6-7-8-9	9	"	(0)	9.0	65	21114	2	2	4-5-C	2
8LN8		7.5	50	66612	2	2	6-7-8	6	"	(6)	9.0	65	11152	2	2	4-8-9	2
8LO8		7.5	50	45121	2	2	1-2-3	2	9AQ8		9.0	65	11154	2	2	4-5-C	2
8LP8		7.5	70	15621	3	2	1-2-6-7	6	"	(8)	9.0	65	11154	2	2	4-5-C	2
8LQ8		7.5	45	16612	3	2	1-8-9	8	9AU7		9.0	7	45121	3	2	*	1-6
8LR8		7.5	40	16612	3	2	1-2-3	3	"	*1-2-3-6-7-8	9.0	95	11161	1	2	1-2-3	1
8LS8		7.5	60	66612	3	3	6-7-8-9	9	9BJ11	(0)	9.0	95	45161	1	2	6-7-8	6
8LT8		7.5	30	66612	3	2	6-7-8	6	"	(7)	9.0	45	51111	2	3	2-3-3-6	2
8LU8		7.5	30	45112	3	2	1-2-3	1	9BR7		9.0	10	66612	3	3	1-3-4-5	1
8LV8		7.5	55	45112	3	2	2-3-8-9	2-8	"		9.0	90	55161	3	3	6-7-8	6-7
8LW8		7.5	10	51121	2	6	1-2-7-8	1-7	"		9.0	75	45112	2	2	1-2-3	1

TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MÉRIT	TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MÉRIT
9CL8	9.0	30	35	54121	3	2	1-2-3	2	10C8	9.0	7	95	66612	2	3	6-7-8-9	6
9DK3	9.0	70	90	11121	3	2	6-7-8-9	6	"	9.0	7	90	45112	2	3	1-2-3	1
9EA8	9.0	0	55	14621	2	1	2-C	2	10CW5	9.0	25	35	65121	2	2	2-3-7-9	7
9ED4A	9.0	75	65	46612	2	2	2-3-6-7	1	10DE7	9.0	70	70	11121	3	2	6-7-8	6
9GH8	9.0	60	80	65312	3	2	1-8-C	6	"	9.0	40	40	45621	3	1	1-2-9	1
9GV7	9.0	20	40	16621	4	5	2-3-6-7	C	10DR7	9.0	28	28	11111	4	3	6-7-8	6
9GV8	9.0	30	30	41661	2	3	1-8-9	6	"	9.0	30	55	45111	1	2	1-2-9	1
9JW8	9.0	10	12	46612	2	3	1-2-3	1	10DX8	9.0	28	28	45621	1	2	1-2-3	1
9KC6	9.0	30	30	66151	3	2	2-3-7-8	3	"	9.0	30	55	54121	2	3	6-7-8-9	6
9KG6A	9.0	70	75	63421	3	2	1-2-3	1	10EB8	9.0	14	62	11121	3	2	6-7-8-9	9
9KX6	9.0	65	60	45121	3	2	6-7-8-9	6	"	9.0	11	55	15412	2	4	1-2-3	3
9KZ8	9.0	50	45	11121	2	2	1-8-9	1	10EG7	9.0	60	70	54111	2	1	1-2-3	2
9LA6	9.0	30	20	41121	3	3	1-8-9	1	"	9.0	60	70	11154	3	2	4-5-6	5
9MD8	9.0	40	40	15321	3	3	2-3-6-7	6	10EM7	9.0	55	55	11154	2	3	4-5-6	5
"	9.0	40	40	15121	3	2	1-2-7-9	7	"	9.0	55	55	54111	2	1	1-2-3	1
9MH3	9.0	50	50	56321	2	1	1-3-9-C	C	10EW7	9.0	90	42	11121	1	3	6-7-8	6
9ML8	9.0	45	50	15112	2	2	1-2-7-8	7	"	9.0	84	90	45621	1	1	1-2-9	1
"	9.0	25	94	46612	2	2	1-8-9	1	10GK6	9.0	25	45	15112	3	2	1-2-7-8	8
9MN8	9.0	34	50	63112	2	3	2-3-6-7	6	10GN8	9.0	55	25	15412	1	4	1-2-3	3
"	9.0	40	60	15112	2	2	1-2-7-8	7	"	9.0	55	25	66612	2	2	6-7-8-9	9
9MP12	9.0	40	40	66421	3	2	2-7-8	2	10GV8	9.0	60	75	45121	3	2	1-2-3	1
9RA6	9.0	40	40	64621	3	2	1-7-9	1	"	9.0	35	60	11121	2	2	6-7-8-9	9
9RAL1	9.0	40	40	61651	3	2	1-6-7	1	10HF8	9.0	90	60	15412	3	2	1-3-3	3
9R8	9.0	12	100	46216	2	2	2-5-7	2	"	9.0	70	70	66612	2	2	6-7-8-9	9
9V9	9.0	12	100	64215	2	2	2-5-7	2	10JA5	9.0	85	85	25316	1	2	2-3-4-6	6
9X8	9.0	70	72	46621	2	2	1-7-9	1	10JA8	9.0	70	70	15412	3	2	1-2-3	3
10AF11	9.0	70	72	66421	2	2	3-6-7	3	"	9.0	50	60	66612	2	3	6-7-8-9	9
"	9.0	40	90	26166	2	2	3-6-8	6	10JT8	9.0	42	50	15412	3	3	1-2-3	3
10AL11	9.0	40	90	66526	2	2	3-7-8	7	"	9.0	47	30	66612	3	2	6-7-8-9	9
10BQ5	9.0	40	90	66651	2	2	4-8-9	8	10JY8	9.0	40	45	15412	3	2	1-2-3	3
"	9.0	75	78	51214	2	2	1-2-5-6	5	10KR8	9.0	60	60	66612	3	2	6-7-8-9	9
9RA6	9.0	70	80	15621	1	2	1-2-9	9	"	9.0	25	40	66621	3	2	6-7-8-9	9
9RAL1	9.0	30	45	46521	2	2	1-3-9	1	10L14	25	90	100	66621	1	2	6-7-8	6
9R8	9.0	50	70	11121	3	2	6-7-8	6	"	25	90	100	45111	1	2	1-2-3	1
9V9	9.0	44	73	65312	2	3	2-3-6-7	6	10LB8	9.0	40	55	66621	2	2	6-7-8-9	9
9X8	9.0	55	90	46612	2	2	1-8-9	1	"	9.0	30	30	15421	4	2	1-2-3	3
10AF11	9.0	65	65	11532	1	4	1-3-4-7	4	10LD6	9.0	66	35	15621	2	2	1-2-6-7	7
"	9.0	55	55	11112	1	3	8-9-C	C	"	Good tube reads above 50.							
10AL11	9.0	20	30	16621	3	3	6-7-8-9	9	10LE8	9.0	20	29	41121	2	3	1-3-8-9	1
10BQ5	9.0	20	30	15341	3	3	2-3	3	"	9.0	40	29	66121	2	3	3-6-8-9	9
"	9.0	65	50	13521	2	2	1-2-3-7	7	10LM8	9.0	40	50	46612	3	2	1-8-9	1
"	9.0	94	100	21111	1	2	3-6-8	8	"	9.0	40	50	65312	3	2	2-3-6-7	6
10AL11	9.0	88	40	21541	1	3	3-4-7	4	10LW8	9.0	85	96	15412	2	3	1-2-3	3
"	9.0	84	28	51342	3	2	1-2-3-4	4	"	9.0	65	70	66612	2	3	6-7-8-9	9
10BQ5	9.0	8	75	21511	2	4	2-3-4-6-7	6	10LY8	9.0	60	20	15412	3	3	1-2-3	3
"	9.0	60	95	65121	4	1	2-3-7-9	7	"	9.0	37	49	66612	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	15412	1	3	1-2-3	3	11Y9	9.0	85	51342	1	3	1-2-3-4	4
"	9.0	20	66612	2	2	6-7-8-9	9	"	9.0	60	11112	1	3	7-8-9-C	C
10P18	50	80	66612	3	1	2-3-7-9	7	12AB5	12.6	20	36512	2	3	1-3-7-9	9
10T10	(0)	35	21511	3	3	2-3-6-7	7	12AC6	12.6	62	51124	1	4	1-5-6-7	5
10Z10	(6)	30	51341	3	2	1-2-3-4	4	12AC10	(5)	90	54121	1	3	1-2-9	2
"	(6)	95	14151	2	2	2-4-8-9	2	"	(3)	12	52114	1	3	1-5-6	5
"	(0)	60	21141	2	4	4-6-7-8	4	12AD6	(0)	90	21114	1	3	5-6-7	5
11AF9	9.0	75	51342	2	2	1-2-3-4	4	12AE6	12.6	7	51215	2	6	1-2-5-6-7	5-6
11AR11	9.0	75	11112	2	2	7-8-9-C	C	"	12.6	45	11215	1	4	5-6	7
"	(7)	34	14351	2	3	2-3-4-5	2	12AE10	12.6	7	51216	1	4	1-2-7	7
"	(0)	30	24315	2	3	2-3-5-6	2	"	12.6	55	21511	3	3	2-3-6-7	7
11BM8	9.0	82	51121	1	3	1-8-9	9	12AF3	(8)	20	11513	3	2	3-4-5-6	6
11BQ11	9.0	68	11521	2	2	2-3-6-7	6	12AF6	12.6	0	66621	1	1	9-C	9
11BT11	(0)	40	24315	2	3	2-3-5-6	2	12AF11	12.6	7	51214	1	4	1-5-6-7	5
"	(6)	40	43511	2	3	1-2-3-4	1	"	(5)	65	13521	2	2	1-2-3-7	7
11C5	(0)	70	21511	3	2	3-4-9	9	12AJ6	(0)	94	21111	1	2	5-6-8	8
11CALL	(0)	70	21115	2	2	5-6-7	7	"	(0)	88	11111	1	3	3-4-7	4
"	(7)	70	11135	2	2	2-4-5-9	9	12AJ7	12.6	40	11215	2	6	5-6	5-6
11CF11	12.6	23	15216	3	1	1-2-6-7	7	"	12.6	40	51216	1	4	1-2-7	7
"	(0)	11	21141	2	3	4-5-6	4	12AL5	12.6	55	35121	3	3	2-3-6	6
"	(8)	20	24511	2	3	2-3-7	2	12AL8	12.6	55	11121	3	2	8-9	8
11CH11	(0)	60	11513	2	2	3-4-5-6	6	"	12.6	55	11121	3	2		
"	(0)	70	21435	2	2	3-4-5-6	6	12AL11	12.6	0	16211	1	1	1-7	7
11CY7	(0)	82	11511	1	3	3-7-C	3	"	12.6	0	14211	1	1	2-5	2
"	(6)	97	15412	1	3	1-2-3	3	12AQ5	12.6	10	46612	1	4	1-8-9	1
11DS5	9.0	65	21511	2	2	3-4-9	9	12AT6	12.6	27	63512	1	4	2-3-6-7	6
11FY7	(0)	75	66612	2	2	5-6-7	7	"	6.3	45	21516	3	3	2-6-7	6
"	(6)	40	46512	2	4	2-4-5-9	9	12AT7	(8)	55	11513	3	2	3-4-5-6	6
11HM7	9.0	35	51214	2	1	6-7-8	6	"	12.6	70	51124	2	2	1-2-5-6	5-6
11JE8	9.0	55	21514	1	3	1-3-9	1	12AU6	12.6	60	11215	1	4	5-6	5-6
"	(6)	70	61541	2	3	1-2-5-6	5	12AU7	12.6	13	51216	1	3	6-7-8	7
11KV8	9.0	42	12111	3	3	2-3-4	4	"	12.6	60	66612	1	3	1-2-3	3
"	12.6	11	15121	3	2	1-2-7-8	7	12AV5	12.6	70	51124	3	2	1-5-6-7	5
11LQ8	9.0	20	15412	3	3	1-2-3	3	12AV6	12.6	95	45121	1	2	1-2-3	1
"	12.6	60	66612	3	2	6-7-8-9	9	"	12.6	95	11121	1	2	6-7-8	6
11LT8	9.0	75	15412	3	2	1-2-3	3	12AV7	12.6	80	15412	2	2	1-2-3	3
"	9.0	85	66612	3	2	6-7-8-9	9	"	12.6	80	66612	2	2	6-7-8-9	9
11LY6	9.0	50	66612	2	2	1-2-3	2	12AW6	12.6	80	66612	2	2	1-2-3	2
11MS8	9.0	64	15421	3	2	6-7-8-9	9	12AX3	12.6	10	51114	4	1	1-3-8	3
"	9.0	35	66621	3	2	6-7-8-9	9	12AX4	12.6	25	51216	3	3	1-2-7	7
11R3	9.0	70	13421	3	2	1-2-3-9	3	"	12.6	14	45121	4	6	2-5-6	5-6
"	9.0	97	63421	2	2	6-7-8	6-8	12AX7	12.6	30	64111	3	2	1-2-3	1
"	9.0	70	15121	2	2	1-2-7	7	"	12.6	30	11161	3	2	1-2-3	2
"	9.0	74	14311	2	2	1-2-3	2	"	12.6	19	51214	3	3	6-7-8	6
"	9.0	50	45121	1	3	1-2-3	1	"	12.6	0	21141	1	1	4-7	4
"	9.0	17	11121	2	2	6-7-8-9	6	"	12.6	0	66114	1	1	3-5	5
"	12.6	0	66621	3	1	9-C	9	"	12.6	37	45112	2	3	1-2-3	1
"		35						"	12.6	40	66612	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	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	12CU6	12.6	20	80	11635	62114	4	1	4-5-8-C	C
12AZ7	12.6	16	98	66612	45161	3	3	6-7-8	12D4	12.6	0	75	66164	62111	2	1	3-5	5
12B4	12.6	25	95	45121	11161	3	2	1-2-3	12DB5	12.6	15	95	31512	61641	3	1	1-3-6-9	9
12BA6	12.6	25	95	11121	45161	3	2	6-7-8	12DE8	12.6	0	30	61412	66661	1	2	2-3	3
12BA7	12.6	30	30	15612	16141	1	2	1-2-9	12DF5	12.6	7	58	56612	41311	1	4	1-6-8-9	6
12BB14	12.6	75	75	51214	31111	3	2	1-5-6-7	12DK6	12.6	0	27	41112	61611	2	2	1-3	1
12BE3	12.6	20	90	35121	15141	2	3	1-2-3-9	12DK7	12.6	65	85	51214	31111	3	2	6-8	6
12BF6	12.6	8	94	56121	36614	1	2	1-3-6-C	12DL8	12.6	7	17	51312	64661	1	4	1-2-3-7	6-9
12BF11	12.6	0	75	21141	11111	2	1	4-7	"	12.6	7	95	66666	66151	1	3	8-9	9
12BH7	12.6	30	96	51214	31111	2	3	1-2-5-7	"	12.6	7	95	56612	66161	1	3	1-8	1
12BL6	12.6	85	90	11215	51111	3	4	5-6	12DM4	12.6	0	75	66114	11211	2	2	2-3-6-7	6
12BN7	12.6	85	90	51216	64111	2	2	1-2-7	12DM7	12.6	25	35	45121	11161	2	4	1-2-3	5
12BR3	12.6	45	50	11215	11341	3	3	4-5-8-9	"	12.6	25	35	11121	45161	2	4	6-7-8	1
12BR7	12.6	45	50	51341	12111	2	2	1-2-3-4	12DQ6	12.6	25	35	11121	45161	2	4	4-5-8-C	6
12BT3	12.6	88	94	66612	45161	1	2	6-7-8	12DQ7	12.6	78	78	11635	62114	1	2	1-2-7-8	C
12BV7	12.6	88	94	45112	66661	1	2	1-2-3	12DQ7	12.6	7	65	15112	14311	4	2	1-2-7-8	7
12BV11	12.6	7	60	51124	31111	1	4	1-5-6-7	12DS7	12.6	60	59	66612	66151	2	5	8-9	9
12BW4	12.6	25	75	15123	14111	2	4	1-2-5-7	"	12.6	60	59	56612	66161	2	5	1-8	1
12BW4	12.6	85	80	12635	61114	2	1	4-5-8-C	12DT5	12.6	7	25	36512	61641	2	3	1-3-7-9	9
12BW4	12.6	0	70	66621	66641	2	1	9-C	12DT6	12.6	8	60	51214	31111	2	4	1-2-5-6	5
12BY3	12.6	90	90	66612	55161	3	3	6-7-8	12DT7	12.6	50	65	45121	11161	3	3	1-2-3	1
12BY7	12.6	75	75	45112	66661	3	2	1-2-3	"	12.6	50	65	11121	45161	3	3	6-7-8	6
12BZ6	12.6	0	75	21141	11111	2	1	4-7	12DT8	12.6	7	83	45112	66611	2	3	1-2-3	1
12BZ7	12.6	55	55	15121	64111	3	2	1-2-7-8	12DV7	12.6	65	90	15521	66661	2	5	1-2-3	2-3
12C5	12.6	40	40	21431	51111	3	3	3-4-5-6	"	12.6	20	20	66621	35161	1	5	6-7-8	6
12CA4	12.6	40	40	51341	11211	3	3	1-2-3-4	12DV8	12.6	15	65	61512	43661	3	3	2-3-6-7	6
12CA5	12.6	0	84	46612	66611	3	1	1-9	"	12.6	20	60	56612	66151	4	6	1-8-9	1-9
12CA5	12.6	0	84	66612	64611	3	1	7-9	"	12.6	15	65	61512	43661	3	3	2-3-6-7	6
12CK3	12.6	0	65	66621	66641	2	1	9-C	12DW4	12.6	0	95	66621	64611	1	1	7-9	7
12CM6	12.6	45	25	36512	61641	4	2	1-3-7-9	12DW6	12.6	40	65	11635	62114	3	1	4-5-8-C	C
12CR6	12.6	15	0	16214	35111	4	6	1-2	12DW6	12.6	30	60	51124	31111	1	3	1-5-6-7	5
12CT3	12.6	22	0	16124	35111	4	3	1-5-6-7	12DZ6	12.6	20	90	51436	62111	2	2	1-3-4-8	3
12CT8	12.6	0	93	64621	66611	1	1	2-9	12DZ7	12.6	20	90	61635	42111	2	2	4-5-6-8	6
	12.6	30	30	66612	43511	2	3	6-7-8-9	12E13	12.6	6.3	88	11435	12111	2	1	3-4-5-8	3
	12.6	35	35	45112	66661	2	3	1-2-3	12EAG	12.6	7	30	51124	31111	1	3	1-5-6-7	5
									12EAG	12.6	30	60	15126	34111	3	2	1-2-6-7	7
									12EH5	12.6	47	47	15126	34111	2	2	1-2-6-7	7
									12EK6	12.6	55	55	51124	31111	1	3	1-5-6-7	5
									12EN6	12.6	7	94	61435	62111	4	1	3-4-5-8	3
									12EQ7	12.6	0	40	11121	11461	1	3	8	8
										12.6	30	40	15121	34661	2	3	2-3-6-7	7

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	2	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	12.6	93	65	16112 13654	1	2	1-7-9-C	C
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	24111 66111	1	1	2-4	2
"	(7)	12.6	45	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
12JB6	12.6	15	70	66621 51431	2	2	6-7-8-9	8
12JF5	(5)	12.6	80	65121 63164	4	1	2-3-7-C	C
"	(7)	12.6	80	66621 13514	1	2	7-8-9-C	C
12JM6	(3)	12.6	83	11121 36514	2	1	5-6-8-C	C
12JN6	(5)	12.6	90	16521 11364	2	1	3-7-8-C	C
12JN8	12.6	44	80	66621 43151	3	2	6-7-8-9	6
12JQ6	12.6	23	55	46321 65611	2	2	1-2-3	2
12JS6	(4)	12.6	48	66112 13654	1	2	1-3-7-9	1
"	Cap goes to top of tube.	12.6	48	66112 13654	1	2	6-7-8-9-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	11121	2	3	1-8-9	8	15KY8	12.6	60	65	3	3	2-3-6-7	6
"	12.6	15	65121	1	2	2-3-6	6	"	12.6	75	66	3	2	1-8-9	8
13J10	(6) 12.6	55	14151	3	2	2-4-8-9	2	15LF8	12.6	20	29	2	3	1-3-8-9	1
"	(0) 12.6	40	21141	4	4	4-6-7-8	4	"	12.6	40	29	2	3	3-6-8-9	6
13JZ8	(0) 12.6	87	65311	2	1	4-7-8-9	4	15MF8	(0) 12.6	95	26	2	2	4-6-8-9	4
"	(4) 12.6	67	51211	1	3	1-2-6	6	"	(4) 12.6	50	68	3	2	1-2-6	6
13V10	(0) 12.6	52	34111	3	3	2-3-6-7	7	15MX8	12.6	45	65	3	3	2-3-6-7	6
"	(8) 12.6	20	11513	3	2	3-4-5-6	6	"	12.6	68	90	3	2	1-8-9	8
13Z10	(6) 12.6	55	14151	3	2	2-4-8-9	2	16A5	19	55	55	2	2	2-3-7-9	7
"	(0) 12.6	50	21141	2	4	4-6-7-8	4	16A8	12.6	20	20	2	4	1-8-9	9
14BL11	(0) 12.6	62	21511	3	2	3-4-9	9	"	12.6	15	15	3	2	2-3-6-7	6
"	(7) 12.6	60	14111	3	2	5-6-7	7	"	12.6	15	15	3	2	2-3-6-7	6
"	(0) 12.6	40	11241	3	2	2-4-5-9	9	16AK9	(8) 7.5	66	66	1	3	2-5-6	6
14BR11	(0) 12.6	85	21111	2	2	5-6-8	6	"	(8) 7.5	66	66	1	3	2-3-4	4
"	(7) 12.6	38	11451	2	3	1-3-4	3	"	(0) 7.5	66	66	1	3	2-3-7	2
"	(3) 12.6	90	41125	1	3	1-5-6-7	7	16AQ3	12.6	0	30	4	1	9-C	9
14F7	12.6	60	11456	3	3	2-3-4	3	16BQ11	(0) 12.6	45	35	2	3	2-3-5-6	2
"	12.6	60	16665	3	3	5-6-7	6	"	(6) 12.6	47	37	2	3	1-2-3-4	1
14GT8	12.6	25	66121	2	4	7-8-9	9	16BX11	(0) 12.6	71	51	3	2	4-5-6	6
"	12.6	0	16612	1	2	1-6	6	"	(0) 12.6	71	51	3	2	7-8-9	7
"	12.6	0	66661	1	2	2-3	6	"	(4) 12.6	70	80	3	2	1-2-6-7	2
14GW8	12.6	47	66312	3	2	3-6-7-8	8	16CB28	(4) 12.6	67	67	1	2	6-7-9-C	C
"	12.6	30	51612	3	3	1-2-9	9	16GK6	12.6	25	45	3	2	1-2-7-8	7
14JG8	12.6	55	66612	3	3	7-8-9	9	16GY5	(2) 19	11	0	1	3	5 6 7 C	C
"	12.6	0	16612	2	1	1-6	6	"	Cap goes to top of tube.	80	64	2	1	2-3-4-7	7
14N7	12.6	30	16665	2	3	5-6-7	6	16HB5	(0) 12.6	66	66	1	2	1-7-8-C	C
"	12.6	30	11456	2	3	2-3-4	3	16KA6	(4) 12.6	0	45	2	4	1-2	1
15AF11	(5) 12.6	65	13521	2	2	1-2-3-7	7	16KH8	12.6	50	50	3	2	2-3-9	3
"	(0) 12.6	94	21111	1	2	5-6-8	8	"	12.6	50	50	3	2	6-8-9	8
15BD11	(5) 12.6	88	13521	1	3	3-4-7	4	16LD6	12.6	66	35	2	2	1-2-6-7	7
"	(0) 12.6	47	14111	2	2	1-2-3-7	7	"	Good tube reads above 50.	85	85	2	1	4-6-8-9	4
"	(0) 12.6	59	21541	2	2	3-4-7	4	16LJ8	(0) 12.6	85	85	2	2	1-2-6	6
15CW5	(0) 12.6	59	21111	2	2	5-6-8	8	"	(4) 12.6	70	70	2	2	1-2-6	6
15DQ8	12.6	30	65121	2	2	2-3-7-9	9	16MY8	(0) 12.6	85	86	2	1	4-6-8-9	4
15EA7	12.6	45	54121	2	3	1-2-3	2	"	(4) 12.6	70	70	2	2	1-2-6	6
15EW7	12.6	65	11121	3	2	6-7-8-9	6	16Y9M	12.6	85	80	1	3	1-2-3-4	4
"	12.6	30	11154	3	3	4-5-6	5	"	12.6	60	60	1	3	7-8-9-C	C
15FM7	(8) 12.6	84	45621	1	1	1-2-3	2	17A8	12.6	13	85	2	2	1-8-9	1
"	(0) 12.6	50	21514	2	1	3-5-7	5	"	12.6	25	70	2	3	2-3-6-7	6
15FY7	(0) 12.6	20	21514	1	4	2-3-4	4	17AB10	(0) 19	39	73	3	3	4-6-7-8	4
15HA6	(6) 12.6	40	61541	2	2	1-2-6-7	7	"	(3) 19	83	20	2	2	1-5-6-C	C
15HB6	12.6	55	15121	2	2	1-2-6-7	7	17AX3	(0) 19	0	80	2	1	4-7	4
"	12.6	50	15121	2	2	1-2-6-7	7	17AX4	(0) 19	0	80	2	1	4-7	4
"	12.6	50	34661	1	4	2-3-4	4	17AY3	19	0	100	3	1	3-5	5
"	12.6	55	15121	2	2	1-2-6-7	7	17AY4	19	0	25	3	1	7-9	7
"	12.6	50	34661	2	2	1-2-6-7	7	17BB14A	19	8	94	1	2	1-3-6-C	C
"	12.6	50	34661	2	2	1-2-6-7	7	17BE3	(0) 19	0	75	2	1	4-7	4

TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
17BF11	(6)	19	76	51341	2	2	1-2-3-4	4
"	(0)	19	7	21511	2	4	2-3-6-7	7
17BH3	19	85	75	66621	2	1	7-9	7
17BQ6	19	85	80	12635	2	1	4-5-8-C	C
17BR3	19	12.6	0	66621	2	1	9-C	9
17BS3	19	19	0	64121	2	1	2-9	2
17BW3	(7)	12.6	0	11141	2	1	1-4	4
17BZ3	(0)	12.6	0	21146	2	1	4-7	4
17C5	19	19	23	15216	3	1	1-2-6-7	7
17C8	19	19	0	66112	2	3	3-8	8
"	19	19	0	66112	2	3	3-7	7
17C9	19	19	20	35112	2	3	1-2-3-6	6
"	19	19	36	53421	2	3	1-2-3-C	3
17C9	19	19	36	11121	2	3	6-7-8-9	9
17CK3	19	19	0	64621	2	1	2-9	2
17CL3	19	19	0	66621	3	1	7-9	7
17CT3	12.6	19	0	64621	1	1	2-9	2
17CU5	19	19	23	15216	3	1	1-2-6-7	7
17D4	19	19	0	66114	2	1	3-5	5
17DE4	19	19	0	66114	2	1	3-5	5
17DM4	19	19	0	66111	2	1	3-5	5
17DQ6	19	19	7	11635	4	1	4-5-8-C	C
17DW4	19	19	0	66621	1	1	7-9	7
17E8	19	19	60	66612	3	2	6-7-8	6
17F6	19	19	60	45112	3	2	1-2-3	1
17GJ5	19	19	55	35121	2	1	1-2-3-C	C
17GT5	19	19	80	35121	2	1	1-2-3-9	9
17GV5	(4)	19	93	16112	1	2	1-7-9-C	C
17GW6	19	19	65	11635	3	1	4-5-8-C	C
17HB25A	12.6	19	60	56121	3	1	1-6-9-C	C
17JB6	19	19	94	35121	1	3	1-2-3-8-C	C
17JF6	12.6	19	55	35121	1	2	1-2-3-C	C
17JG6	19	19	40	35121	3	1	1-2-3-9	9
17JK8	19	19	30	66612	2	3	6-7-8	6
17JM6	(3)	19	35	11121	3	2	1-2-3	1
17JN6	(5)	12.6	90	16511	2	1	3-7-8-C	C
17JQ6	12.6	19	15	46321	2	2	1-3-7-9	9
17JR6	12.6	19	65	35121	1	2	1-2-3-9	9
17JT6	19	19	58	35121	1	2	1-2-3-9	9
17JZ8	(0)	19	40	21141	2	2	4-6-8-9	4
"	(4)	19	70	51112	2	2	1-2-6	6

TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
17KV6	19	19	40	35121	3	1	1-2-3-9	9
17LD8	12.6	19	62	15121	3	3	2-3-6-7	6
"	12.6	19	85	11121	3	2	1-8-9	8
17RHH2	19	19	60	66612	3	2	6-7-8	6
"	19	19	60	45112	3	2	1-2-3	1
17RK19	12.6	19	0	66621	2	1	9-C	9
17XL0	(0)	19	40	21141	3	3	4-6-7-8	4
"	(3)	19	83	51123	2	2	1-5-6-C	C
17Y9	12.6	19	80	51342	2	2	1-2-3-4	4
"	12.6	19	80	11112	2	2	7-8-9-C	C
17Z3	12.6	19	0	66621	2	1	9-C	9
18AJ10	(2)	19	75	21115	1	4	4-5-8-9	9
"	(6)	19	55	51342	2	2	1-2-3-4	4
18FW6	19	19	45	51214	2	3	1-5-6-7	5
18FX6	19	19	15	51214	2	4	1-2-5-7	5
18FY6	19	19	50	51216	2	3	1-2-7	7
"	19	19	60	11215	4	4	5-6	5-6
18GB5A	19	19	78	65121	1	2	2-3-6-C	C
18GD6	19	19	70	51124	2	3	1-5-6-7	5
18GV8	19	19	61	45121	1	3	1-2-3	1
"	19	19	87	11121	1	2	6-7-8-9	6
18RAL1	19	19	40	45621	2	2	1-2-9	1
"	19	19	65	66621	2	2	5-7-8	6
19A3	6.3	19	0	11114	1	1	6-7	5
19AU4	19	19	0	66114	1	2	3-5	5
19CG3	(0)	19	0	21146	1	1	4-7	4
19CL8	19	19	30	54121	3	2	1-2-3	2
"	19	19	70	11121	3	2	6-7-8-9	6
19DE3	(7)	19	0	11141	1	1	4-C	4
19DK3	19	19	0	14621	2	1	2-C	2
19DQ3	(0)	19	0	21146	2	1	4-7	4
19EA8	19	19	75	46612	2	2	1-8-9	1
"	19	19	60	65312	3	2	2-3-6-7	6
19EZ8	19	19	75	15421	3	2	1-2-3	3
"	19	19	60	11124	2	2	5-6	5
"	19	19	60	11121	2	2	8-9	8
19FL8	19	19	85	35121	2	2	1-2-3-6	6
"	19	19	0	66121	1	2	3-7	7
"	19	19	0	66121	1	2	3-8	8
19FX5	19	19	55	15126	2	2	1-2-6-7	7
19GQ7	19	19	50	66612	1	5	6-7	6
"	19	19	50	66612	1	5	6-7	6
"	19	19	50	15612	1	5	1-2	2
19HR6	19	19	20	51124	2	3	1-5-6-7	5
19HS6	19	19	35	51124	3	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		
19HVS	19	7	81	54112	66661	2	4	1-2-3	2	21LU8	(0)	19	90	90	21141	2	1	4-6-8-9	4		
"	19	70	80	66612	43151	3	2	6-7-8-9	6	"	(4)	19	70	70	51112	2	2	1-2-6	6		
19J6	19	20	20	64125	61111	2	3	2-5-7	1	21MY8	(0)	19	85	85	21141	2	1	4-6-8-9	4		
"	19	20	20	46126	51111	2	3	1-6-7	2	"	(4)	19	70	70	51112	2	2	1-2-6	6		
19JN8	19	44	80	66621	43151	3	2	6-7-8-9	6	22BH3	(0)	19	0	80	66621	2	1	7-9	7		
"	19	23	80	54121	66661	2	2	1-2-3	2	22BW3	(0)	19	0	75	21146	2	1	4-7	4		
19KFGA	19	27	80	56121	36641	2	1	1-3-6-9	9	22DE4	19	19	0	80	66114	2	1	3-5	5		
19KGS	19	70	80	45121	11111	2	2	1-2-3	1	22JF6	19	19	72	72	65121	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	40	70	35121	3	1	1-2-3-9	9		
"	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		
19Q9	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	
19X8	19	50	50	56612	51661	3	5	6-7	6	23MB6	(5)	19	83	76	51321	11664	1	2	1-3-7-C	C	
"	19	20	30	16621	15341	3	3	6-7-8-9	9	Cap goes to top of tube.											
19Y3	19	0	80	66121	66641	2	1	3-9	9	Cap goes to top of tube.											
20AQ3	19	0	85	66612	66641	1	1	9-C	9	23Z9	(0)	19	60	65	24511	61661	3	2	2-3-7	2	
20D4	6.3	92	92	35121	43661	2	2	1-2-3-6-7	6	"	(8)	19	35	35	26614	61531	3	2	2-5-6	6	
"	6.3	76	76	35121	43451	1	3	8-9	8	24AX4	(0)	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	24JE6	(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	24JZ8	(0)	25	55	55	65121	63164	1	2	2-3-7-C	C	
20LFG	(2)	19	40	21611	14511	3	3	7-8-9	7	"	(0)	25	40	35	21141	56311	2	2	4-6-8-9	6	
21AG	(2)	19	10	70	11213	15164	1	2	4-5-7-C	C	24LQ6	(4)	25	70	70	51112	41111	3	2	1-2-6	2
21EX6	19	61	93	65121	66314	2	1	2-3-C	C	24LZ6	25	25	65	65	35121	66664	1	2	1-2-3-C	C	
21GY5	(2)	19	50	70	12115	11314	3	1	3-5-8-C	C	25AV5	25	10	80	51114	12311	4	1	1-3-5-6	6	
"	(2)	19	11	0	21163	15664	1	3	5-6-7-C	C	25AX4	25	0	100	66114	12111	1	1	3-5	5	
Cap goes to top of tube.										25BB14A	25	8	94	56121	36614	1	1	1-3-6-C	C		
21HA6	19	67	50	15121	34661	2	2	1-2-6-7	7	25BQ6	25	85	80	12635	61114	2	1	4-5-8-C	C		
21HB5	(0)	19	80	64	23516	64661	2	1	2-3-4-7	7	25C5	25	23	90	15216	34111	3	1	1-2-6-7	7	
21HJ5	(0)	19	70	70	21563	64161	2	1	2-3-5-7	C	25CA5	25	25	25	15216	34111	3	2	1-2-6-7	7	
21JS6	(4)	19	48	48	66112	13654	1	2	6-7-8-9-C	C	25CD6	25	85	76	12115	11314	2	1	3-5-8-C	C	
Cap goes to top of tube.										25CG3	(0)	25	0	90	21146	61661	1	1	4-7	4	
21JV6	(5)	19	97	95	66511	21364	1	1	3-7-8-C	C	25CM3	25	0	90	64621	66611	1	1	2-9	2	
21JZ6	(4)	19	30	70	61112	13654	3	1	6-7-9-C	C	25CT3	25	0	93	64621	66611	1	1	2-9	2	
Cap goes to top of tube.										25CU6	25	80	84	11635	62114	2	1	3-4-8-C	C		
21KA6	(4)	19	66	66	16112	13154	1	2	1-7-8-C	C	25DK3	25	0	55	14621	66661	2	1	2-3	2	
21KQ6A	19	53	53	56321	66614	1	2	1-3-9-C	C	25DK4	25	0	70	11214	61111	2	1	5-7	5		
21LG6	(6)	19	7	70	15132	11164	2	1	2-3-4-C	C	25DL3	25	0	54	64621	66661	2	1	2-C	2	
Cap goes to top of tube.										25DN6	25	71	62	12115	11314	4	1	3-5-8-C	C		
21LR8	19	25	25	65121	43111	2	2	2-3-6-7	6	25E5	25	55	10	62635	11114	2	2	4-5-6-8	8		
"	19	70	73	11121	11451	3	2	1-8-9	8	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
25H5	25	47	15126	2	2	1-2-6-7	7	30MP23	25	83	15216	2	1	1-2-6-7	7
25F5	25	65	15216	2	2	1-2-6-7	7	30MP27	25	83	15216	2	1	1-2-6-7	7
25GB6	25	91	11635	2	1	4-5-8-C	9	30PL12	12.6	20	56621	2	4	1-8-9	9
25HX5A	25	75	36641	1	2	1-2-6-9	6	"	12.6	15	61521	3	2	2-3-6-7	6
25JQ6	25	55	46321	2	2	1-3-7-9	1	31AL10	(0)	90	16643	1	2	4-5-7-8	4
25JQ6	(0)	15	56311	2	2	4-6-8-9	4	"	(0)	43	14516	1	3	2-3-7	2
25JZ8	(4)	70	51112	3	2	1-2-6	6	"	(6)	49	14151	1	3	2-3-4	2
								31JS6	(4)	48	66112	1	2	6-7-8-9-C	C
25KA6	(4)	66	16112	1	2	1-7-8-C	C		Cap goes to top of tube.						
25L6	25	45	61435	2	2	3-4-5-8	3	31LQ6	25	65	35121	1	2	1-2-3-C	C
25MP20	25	61	51124	2	2	1-2-5-6	5								
25RK19	25	0	66621	2	1	9-C	9	31LR8	25	82	65121	2	1	2-3-6-7	6
25W4	25	0	66114	3	1	3-5	5	"	25	72	11451	1	3	1-8-9	8
26AQ8	25	90	66621	1	2	6-7-8	6	31LZ6	25	65	35121	1	2	1-2-3-C	C
	25	90	45121	1	2	1-2-3	1	32A8	25	70	56621	3	2	1-8-9	9
								"	25	35	61521	2	2	2-3-6-7	6
26DQ5	25	55	52136	2	1	1-3-4-C	C	32ET5	(7)	60	15216	2	2	1-2-6-7	7
26HU5	25	40	51316	2	1	1-2-C	C	32HQ7	(0)	90	21513	2	1	2-3-5-C	C
26HV5	(0)	60	5316	3	2	2-3-4-7	7	"	(0)	70	14111	2	1	2-4	2
26LW6	25	60	61365	2	1	2-3-5-C	C	33GT7	(9)	7	41215	2	1	1-4-5-7	1
26LX6	(4)	23	66112	1	2	6-7-9-C	C	"	(0)	10	24111	3	1	2-4	2
27GB5A	25	78	65121	1	2	2-3-6-C	C	33GY7	(0)	60	24116	2	1	2-4	2
								"	(7)	75	61563	2	1	2-3-5-C	C
27KG6A	25	50	56321	2	1	1-3-9-C	C	33HE7	(0)	90	24111	1	1	2-4	2
27LFG	(2)	10	11213	1	2	4-5-7-C	C	"	(7)	45	61563	2	1	1-2-3-5-C	C
								33JR6	25	62	35121	3	1	2-3-9	9
28HA6	25	60	15121	2	2	1-2-6-7	7	33JV6	(5)	97	66511	1	1	3-7-8-C	C
29GK6	25	25	15112	3	2	1-2-7-8	7	34CD3	(0)	59	21146	2	1	4-7	4
29KQ6A	25	30	56321	2	1	1-3-9-C	C	34CE3	(0)	55	26646	2	1	4-7	4
29LE6A	25	44	56321	1	2	1-3-9-C	C	34CM3	35	0	64621	1	1	2-9	2
30A5	25	30	15216	2	2	1-2-6-7	7	34DK3	35	0	14621	2	1	2-C	2
30AE3	25	0	66621	3	2	9-C	9	34GD5	35	70	15216	2	2	1-2-6-7	7
30AG11	(0)	0	21411	1	1	2-3	3	34R3	35	0	66612	2	1	9-C	9
"	(0)	74	21115	1	3	4-5-6	6	35C5	35	23	15126	3	1	1-2-6-7	7
"	(0)	71	21111	1	3	7-8-9	7	35DZ8	35	7	56612	2	4	1-8-9	9
"	(8)	0	11114	1	1	5-6	5	"	35	7	61512	2	2	2-3-6-7	6
30C18	7.5	30	46121	3	2	1-8-9	1	35EH5	35	47	15126	2	2	1-2-6-7	7
30HJ5	(0)	70	63421	3	2	2-3-7-8	7	35GL6	35	25	15213	2	2	1-2-5-7	7
								35L6	35	45	61435	2	2	3-4-5-8	8
30JZ6	(4)	30	61112	3	1	6-7-9-C	C	35LR6	(4)	43	66112	1	2	6-7-8-9-C	C
30KD6	(4)	93	16112	1	1	6-7-9-C	C	35W4	35	0	11124	1	1	5-7	5
30KG6A	25	50	56321	2	1	1-3-9-C	C	35Y4	35	0	14161	4	1	2-7	2
30LW6	25	60	61365	2	1	2-3-5-C	C	35Z4	35	0	16664	4	1	5-8	5
30MB6	(5)	83	51321	1	2	1-3-7-C	C	36AM3	35	0	12614	1	1	5-8	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	2	3	1-2-5-6	5
			Cap goes to top of tube.								407	35	85	90	21546	2	2	2-3-4	4
36LW6		35	60	50	61365	62114	2	1	2-3-5-C	C	"	35	85	90	21116	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	3	2	2-3-4-C	C
			Cap goes to top of tube.								866	2.5	0	70	21111	4	1	C	C
38HE7	(0)	35	0	90	24111	66161	1	1	2-4	2	TJ880	6.3	30	30	15112	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	4	1	5-8	5
			Good tube reacts above 45.								"	6.3	0	84	61416	4	1	3-8	3
38HK7	(7)	35	60	60	61563	16214	2	1	2-3-5-C	C	1280	12.6	7	50	14311	2	4	2-3-6-7	2
"	(0)	35	0	55	24111	66161	2	1	2-4	2	1611	6.3	45	75	12435	3	2	3-4-5-8	3
40FR5		35	50	60	15126	34111	2	2	1-2-6-7	7	1612	6.3	7	72	11431	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	3	2	3-5-8	3
			Cap goes to top of tube.								1629	12.6	23	65	12445	4	3	3-4-5-8	3
40KG6A		35	50	20	56321	66614	2	1	1-3-9-C	C	2050	6.3	0	40	11616	1	3	6-8	6
42EC4A		35	0	55	16121	16411	2	1	8-C	8	5636	6.3	7	83	51114	2	4	1-2-3-7	5
42KN6	(2)	35	7	55	11213	65164	1	2	4-5-6-7-C	C	5642	1.25	0	100	11111	1	3	C	C
45B5		50	80	85	65121	64631	3	1	2-3-7-9	7	5651	6.3	0	60	41666	2	3	1	1
50B5		50	7	65	51124	36111	2	2	1-2-5-6	5	5654	6.3	22	20	51214	2	3	1-2-5-6	5
50BM8		50	45	70	66612	66141	2	3	1-8-9	9	5663	6.3	0	100	11213	1	1	1-7	7
50C5		50	30	65	51512	43661	2	2	2-3-6-7	6	5670	6.3	30	30	21541	2	3	*	4-6
50DC4		50	23	90	15216	34111	3	1	1-2-6-7	7									
50EH5		50	0	70	11124	61111	2	1	5-7	5									
50FE5		50	47	47	15126	34111	2	2	1-2-6-7	7	5686	6.3	40	75	15621	3	2	1-2-6-7	7
50FK5		50	70	75	12435	11111	3	1	3-4-5-8	8	5687	12.6	20	95	45112	1	2	1-2-3	1
			7	45	15126	34111	3	2	1-2-6-7	7		12.6	30	95	66612	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	3	2	1-2-3	2
			30	40	56621	66141	1	4	1-8-9	9	5692	6.3	15	60	11154	3	2	4-5-6	5
50GY7	(4)	50	0	95	11112	41111	1	1	6-8	6	5693	6.3	20	5	61151	2	4	4-5-6-8	8
			67	67	53112	11141	1	2	1-2-9-C	9	5696	6.3	20	85	51123	1	1	1-2-5-6	6
50HC6	(4)	50	35	60	15213	64111	2	2	1-2-5-7	7	5725	6.3	0	85	51214	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	9	5726	6.3	88	58	16211	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	1	6	1-2-5-7	7
			96	96	61435	62111	2	1	3-4-5-8	8	5727	6.3	0	58	61213	2	1	1-2-5-7	7
50L6		50	70	85	56621	66141	3	2	1-8-9	9	CK5755	12.6	83	20	41521	1	4	1-2-3	3
50MB8		50	35	55	61521	43661	2	2	2-3-6-7	6	5763	12.6	78	20	11121	1	4	6-7-8	8
			0	75	12311	61111	4	1	3	3	5814	12.6	70	92	41121	1	4	3-7-8	8
50Y7		50	0	75	12513	61111	4	1	3-4-5-8	8		12.6	45	18	45112	2	3	1-2-3	3
			60	60	61563	16214	2	1	2-3-5-C	C		12.6	45	18	66612	2	3	6-7-8	6
53HK7	(7)	50	0	55	24111	66161	2	1	2-4	2	5823	70	0	70	46266	3	1	1	1
			0	50	24111	66111	1	1	2-4	2	5824	25	7	50	61435	2	3	3-4-5-8	8
58HE7	(0)	50	45	60	61563	16214	2	1	2-3-5-C	C	5840	6.3	7	85	51164	2	3	1-2-5-7	7
			55	60	15126	34111	2	2	1-2-6-7	7	5879	6.3	45	60	51121	3	3	1-3-7-8	8
60FX5		50	0	60	12111	31111	4	1	1-3-4-5-6-8	8	5881	6.3	47	95	61435	4	1	3-4-5-8	8
117L7		117	30	0	12353	11111	3	2	2-3-7-9	9	5884	6.3	70	65	64125	2	2	2-5-7	7
			55	55	65121	64631	2	2	2-3-7-9	9		6.3	70	65	46126	2	2	1-6-7	7
163PEN		19																	

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
5899	6.3	70	7	70	51164	2	3	1-2-5-7	5	7189	6.3	20	38	65112	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	2	3	2-3-6-7	2	
5931	5.0	0	35	12111	41111	4	1	6	6	"	6.3	25	45	46621	3	2	1-8-9	1	
	5.0	0	35	12141	11111	4	1	4	4	7233	6.3	85	60	45621	1	1	1-2-8	1	
65963	12.6	20	15	45121	11161	2	3	1-2-3	1	7247	12.6	45	65	45121	3	2	1-2-3	1	
	12.6	20	15	11121	45161	2	3	6-7-8	6	"	12.6	55	65	11121	2	3	6-7-8	6	
3005	6.3	20	40	51124	36111	2	3	1-2-5-6	5	7308	6.3	70	80	45121	1	2	1-2-3	1	
3080	6.3	15	10	11154	12111	2	1	4-5-6	5	"	6.3	70	80	11121	1	2	6-7-8	6	
	6.3	15	10	54111	12111	2	1	1-2-3	2	7355	6.3	7	16	11411	4	2	3-5-6-8	3	
3084	6.3	70	32	36121	46151	2	3	1-3-6-9	6	7360	6.3	20	99	13521	3	3	1-2-3-6	6	
3085	12.6	10	74	45112	66661	2	3	1-2-3	1	"	6.3	20	99	13521	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	4	2	3-4-5-8	3	
3100	6.3	40	15	46126	51111	2	2	1-6-7	1	7543	6.3	80	85	56124	3	2	1-5-6-7	7	
3146	6.3	40	45	11365	62114	2	2	1-3-5-C	1	7581	6.3	25	25	61435	4	2	3-4-5-8	3	
3159	25	40	90	12365	61114	3	1	1-3-5-C	C	7591	6.3	85	50	11431	2	2	3-4-5-6	3	
3189	6.3	45	18	45112	66661	2	3	1-2-3	1	7643	6.3	50	58	41121	2	2	1-8-9	1	
	6.3	45	18	66612	45161	2	3	6-7-8	6	"	6.3	80	75	15321	2	3	2-3-6-7	6	
3201	12.6	20	60	45112	66661	2	3	1-2-3	1	7695	50	70	80	31621	3	1	1-6-7-9	9	
	12.6	25	10	45121	11161	2	3	1-2-3	6	7724	12.6	25	35	66612	2	4	7-8-9	9	
3211	12.6	25	10	11121	45161	2	3	1-2-3	1	"	12.6	0	25	16612	1	2	1-6	6	
3227	6.3	55	55	15121	14311	3	2	6-7-8	6	"	12.6	0	25	64112	1	2	2-3	2	
3267	6.3	20	30	31121	41151	4	3	2-3-7-8	7	7751	6.3	10	78	62435	1	2	3-4-5-8	3	
3267	6.3	85	85	62365	11114	1	2	3-5-6-C	C	7788	6.3	52	35	15621	2	2	1-2-6-7	7	
3360	12.6	35	50	51621	43161	3	2	1-2-6-7	6	7868	6.3	85	85	35121	4	1	1-2-3-9	9	
	12.6	35	50	61521	13461	3	2	2-3-7-8	8	7898	12.6	93	100	45121	1	2	1-2-3	1	
	6.3	75	75	21541	45111	2	2	*	4-6	"	12.6	93	100	11121	1	2	6-7-8	6	
3386	6.3	75	75	41521	11161	3	2	1-2-3	1	7984	(4)	69	80	53112	1	2	1-2-6-9	9	
	12.6	25	25	11121	41561	3	2	6-7-8	6	8032A	12.6	40	45	11365	2	2	1-3-5-C	C	
3463	6.3	70	75	51124	31111	3	2	1-5-6-7	5	8068	6.3	45	45	12115	3	2	3-5-8-C	C	
3485	6.3	45	42	51214	31111	1	3	1-2-5-6	5	8102	12.6	70	80	41521	2	2	1-2-3	1	
3661	6.3	80	70	65121	64311	2	2	2-3-7-8	7	"	12.6	80	85	11121	3	2	6-7-8-9	6	
3688	6.3	50	85	15621	64631	2	2	1-2-7-9	7	8106	12.6	60	60	41321	3	2	1-2-3-7	7	
3689	6.3	55	90	35121	41111	2	2	1-2-3-6	6	8113	6.3	25	30	51214	2	3	1-2-5-6	5	
3883	12.6	70	75	12365	61114	3	1	1-3-5-C	C	8136	6.3	65	85	51214	3	2	1-2-5-6	5	
3919	6.3	70	70	15211	15111	4	3	1-2-5-7	2-7	8156	(4)	12.6	35	55	53112	2	2	1-2-6-9	9
3939	12.6	50	60	61521	63461	3	2	2-3-8	8	8233A	6.3	45	45	46321	2	2	1-3-7-8	7	
3973	12.6	50	60	51621	43661	3	2	2-6-7	6	8278A	6.3	70	87	31621	1	2	1-2-7-9	9	
3975	6.3	50	50	31521	61641	3	2	1-3-7-9	9	8417	6.3	45	40	61435	2	2	3-4-5-8	3	
3975	12.6	43	60	45121	11161	1	4	1-2-3	1	8425	6.3	70	89	51124	3	2	1-5-6-7	5	
3975	12.6	43	60	11121	45161	1	4	6-7-8	6	8552	12.6	80	90	12365	1	1	1-3-5-C	C	
3975	6.3	90	90	32465	61111	4	1	1-3-5-8	3	8908	6.3	94	90	61315	2	1	3-4-5-C	C	
3975	12.6	20	55	15112	14311	2	2	1-2-7-8	7	8950	(3)	12.6	55	56	62311	3	1	6-8-C	C
3975	12.6	35	30	45121	11611	2	2	1-2-3	1	9003	6.3	50	50	51214	2	3	1-2-5-6	5	
3975	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
A1834	6.3	6.3	15	10	2	1	4-5-6	5	EF37A	6.3	53	53	62436	2	3	3-4-8-C	3
"	6.3	6.3	15	10	2	1	1-2-3	2	EF804S	6.3	75	100	11112	2	2	3-7-8-9	7
AA91E	6.3	6.3	0	98	1	1	1-7	2	EFL200	6.3	45	47	11112	2	2	1-2-3-4	4
"	6.3	6.3	0	98	1	1	2-5	7	"	6.3	40	40	61435	4	2	7-8-9-C	C
ABC91	12.6	6.3	7	54	4	2	3-4-5-8	2	EL32	6.3	80	75	65121	2	1	2-3-6-C	C
AR18	6.3	6.3	44	45	2	3	3-8-C	3	EL500A	6.3	70	87	31621	1	2	1-2-7-9	9
"	6.3	6.3	7	0	4	6	4-5	4-5	EL503A	6.3	80	75	65121	2	1	2-3-6-C	C
E55LA	6.3	6.3	45	45	2	2	1-3-7-8	7	EL504A	6.3	50	35	56321	2	1	1-3-9-C	C
E80CC	12.6	6.3	10	74	2	3	1-2-3	1	EL508	6.3	7	75	11635	3	1	4-5-8-C	C
"	12.6	6.3	10	74	2	3	6-7-8	6	EN91	6.3	0	58	61213	2	1	1-2-5-6	6
E80F	6.3	6.3	70	32	2	3	1-3-6-9	6	EY500A	6.3	0	93	64121	1	1	2-5	2
EBOL	6.3	6.3	55	55	3	2	2-3-7-8	7	GZ32	5.0	0	65	12141	2	1	4	4
E81L	6.3	6.3	80	70	2	2	2-3-7-8	7	"	5.0	0	65	12111	2	1	6	6
E82CC	12.6	6.3	95	100	1	2	6-7-8	6	LCF200	6.3	87	40	16645	1	3	1-9-C	9
"	12.6	6.3	95	100	2	2	1-2-3	3	"	6.3	18	10	61512	2	3	2-3-7-8	7
E83CC	12.6	6.3	37	75	2	3	1-2-3	1	LCF201	6.3	52	52	16112	2	2	1-9-C	9
"	12.6	6.3	40	76	2	3	6-7-8	6	"	6.3	45	100	61512	1	3	2-3-7-8	7
E83F	6.3	6.3	55	90	2	2	1-2-3-6	6	LCH200	5.0	65	65	11532	1	4	1-3-4-7	7
E84L	6.3	6.3	65	85	4	1	2-3-7-9	7	"	5.0	55	55	11112	1	3	8-9-C	C
E90Z	6.3	6.3	0	90	2	1	1-7	1	LFL200	9.0	77	76	51342	2	2	1-3-4	4
E182CC	12.6	6.3	80	60	1	2	6-7-9	6	"	9.0	45	47	11112	2	2	7-8-9-C	C
E188CC	6.3	6.3	70	80	1	2	1-2-3	1	LL500A	19	75	75	65121	1	2	2-3-6-C	C
E235L	6.3	6.3	10	78	1	2	3-4-5-8	3	LL509A	25	50	50	56321	2	1	1-3-9-C	C
E810F	6.3	6.3	52	35	2	2	1-2-6-7	7	LL521A	19	53	53	56321	1	2	1-3-9-C	C
E902	6.3	6.3	0	90	2	1	1-7	1	LL802	9.0	66	35	15621	2	2	1-2-6-7	7
EAF801	6.3	6.3	81	82	2	2	1-2-3-6	6	N22LLA	19	27	80	56121	2	1	1-3-6-9	9
EC88	6.3	6.3	55	65	2	2	3-8	8	PCF200	7.5	87	40	16112	1	3	1-9-C	9
ECC808	6.3	6.3	35	50	1	4	1-2-8	8	"	7.5	18	10	61512	2	3	2-3-7-8	7
EFC200	6.3	6.3	35	50	1	4	1-2-3	3	PCF201	7.5	52	52	16112	2	2	1-9-C	9
"	6.3	6.3	87	40	1	3	1-9-C	9	"	7.5	45	100	61512	1	3	2-3-7-8	7
EFC201	6.3	6.3	52	52	2	2	1-9-C	9	PCH200	9.0	65	65	11532	1	4	1-3-4-7	7
ECH200	6.3	6.3	65	65	1	4	1-3-4-7	7	"	9.0	55	55	11112	1	3	8-9-C	C
ECLL800	6.3	6.3	0	45	2	4	1-2	1	PCL85	19	61	70	45121	1	3	1-2-3	1
"	6.3	6.3	50	50	3	2	2-3-9	3	PD500A	19	87	87	11121	1	2	6-7-8-9	9
"	6.3	6.3	50	50	3	2	6-8-9	8	"	9.0	60	15	16621	4	5	1-8-C	C
ED500A	6.3	6.3	60	15	4	5	1-8-C	C	PFL200	12.6	85	80	51342	1	3	1-2-3-4	4
									"	12.6	60	60	11112	1	3	7-8-9-C	C
									PL500A	25	75	75	65121	1	2	2-3-6-C	C
									PL504A	25	80	70	65121	2	1	2-3-6-C	C
									PL505A	35	50	35	56321	2	1	1-3-9-C	C
									PL521A	25	53	53	56321	1	2	1-3-9-C	C
									PY500A	35	0	55	16121	2	1	1-3-9-C	C

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
XL500A	12.6		80	75	65121	36664	2	1	2-3-6-C	C
XL504A	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

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