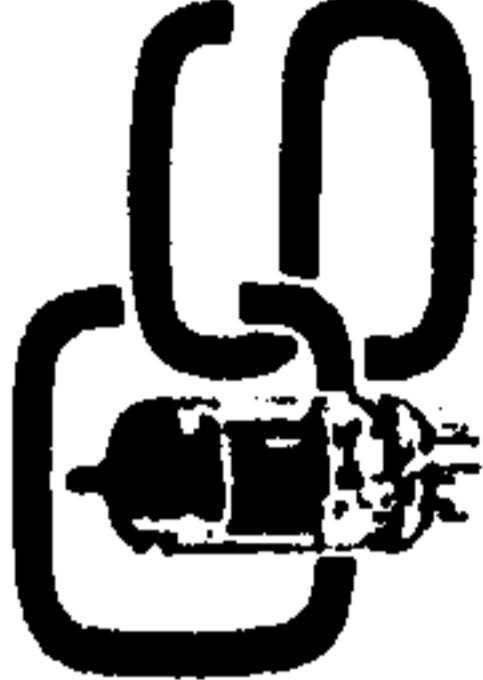


TUBE DATA

FOR



666 TUBE TESTER

COLETRONICS  SERVICE INC.

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

(AUTHORIZED  TUBE DATA SERVICE)

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

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
2DV4	2.5	14	100	64251	61111	1	2	2-4-7	2
2DZ4	2.5	46	82	45211	66111	1	2	1-2-5	1
2E26	6.3	20	20	12365	61114	3	2	1-3-5-C	C
2EG4	1.4	50	85	14251	11111	2	3	2-4-8	2
2EN5	2.5	0	55	16121	14111	1	2	5-7	7
	2.5	0	85	14121	16111	1	2	2-5	2
2ER5	2.5	15	25	65214	61111	2	3	2-5-7	5
2FH5	2.5	10	21	65214	61111	2	3	2-5-7	5
2FQ5	2.5	60	70	15214	16111	2	2	1-2-5	5
2FS5	2.5	54	20	51214	36111	2	3	1-2-5-6	5
2FY5	2.5	15	60	65214	61111	2	3	2-5-7	5
2GK5	2.5	30	90	15214	66111	2	2	1-2-5	5
2GY5	2.5	10	15	51214	36111	3	3	1-2-5-6	5
2GW5	2.5	45	80	45211	61111	2	2	1-2-5	1
2HA5	2.0	84	84	51214	66111	1	2	1-2-5	5
2HK5	2.5	25	80	51214	66111	2	2	1-2-5	5
2HM5	2.0	90	96	51214	66111	1	2	1-2-5	5
2HQ5	2.5	20	95	51214	66111	2	2	1-2-5	5
2V2	2.5	0	70	12116	11114	4	3	C	C
2X2	2.5	0	7	21111	11114	4	2	C	C
3A3	2.8	0	25	12111	11614	1	4	C	C
	Good tube reads above 40.								
3A4	2.8	70	90	14356	62111	2	2	2-3-4	2
3AF4	2.8	77	77	45211	66111	1	2	1-2-5	1
3AL5	2.8	0	98	16211	14111	1	1	1-7	7
	(2)								
3AT2	2.8	0	95	16266	66664	3	2	2-5	2
3AU6	2.8	70	89	51124	31111	3	2	C	C
3AV6	2.8	25	85	51216	64111	3	2	1-5-6-7	5
	(2)								
3AW2	2.8	25	14	51216	64111	3	3	1-2-7	7
3B2	2.8	0	60	21116	16614	4	6	2-5-6	5-6
	Cap goes to top of tube.								
3BA6	2.8	55	55	62616	61614	3	3	C	C
3BC5	2.8	75	75	51214	31111	3	2	1-5-6-7	5
3BE6	2.8	15	55	51214	36111	2	3	1-2-5-6	5
3BL2	3.8	0	84	26166	66664	1	3	1-2-5-7	5
	Cap goes to top of tube.								
3BM2	2.8	0	60	11261	16614	3	2	C	C
3BN6	2.8	30	80	15123	14111	2	4	1-2-5-6-7	7
3BS2	2.8	0	45	11266	16664	2	3	C	C
	Cap goes to top of tube.								
3BT2	3.8	0	45	61121	16114	2	3	C	C
	Good tube reads above 40. Cap goes to top of tube.								
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	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	6
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	1
3JC6	3.8	55	80	15621	14361	3	2	1-2-7-8	7	"	4.2	35	50	45121	66611	2	2	1-2-5-7	5
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	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	4GS8	4.2	40	50	66112	43651	3	2	3-6-7-9	6
3Q5	2.8	25	27	12435	12111	2	3	3-4-5	3	"	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	4GX7	4.2	70	75	13612	65411	2	4	1-2-7-8	5
3V4	2.8	30	34	24316	51111	2	3	2	2	"	4.2	45	40	15621	43661	3	2	1-2-6-7	6
4AB8	3.8	70	80	45121	66661	3	2	1-2-3	1	4GZ5	4.2	60	60	16621	66451	3	2	1-8-9	8
"	3.8	60	75	66121	46351	3	2	3-6-8-9	6	4HA5	4.2	55	40	15126	34111	3	2	1-2-6-7	7
4AU6	4.2	70	89	51124	31111	3	2	1-5-6-7	5	"	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	4.2	50	72	51124	11611	3	3	1-5-6	5
4BC5	4.2	25	14	51216	64111	4	6	2-5-6	5-6	"	4.2	50	72	54111	21111	3	2	1-2-9	2
4BC8	4.2	15	55	51214	36111	2	3	1-2-5-6	5	4HC7	5.0	7	85	24111	16151	3	4	2-3	2
"	4.2	20	10	66612	45111	2	3	6-7-8	6	"	5.0	7	84	45112	11111	3	2	1-8	1
4BE6	4.2	30	96	51214	31111	2	3	1-2-3	1	4HK5	4.2	25	80	51214	66111	2	2	1-2-5	5
4BF5	4.2	25	60	51124	36111	2	2	1-2-5-7	5	4HM5	4.2	90	96	51214	66111	1	2	1-2-5	5
4BL8	4.7	35	70	46612	66151	2	2	1-8-9	1	4HM6	4.2	50	30	15621	14361	2	3	1-2-7-8	7
4BN6	4.2	50	70	65312	41661	4	2	2-3-6-7	6	4HQ5	4.2	20	95	51214	66111	2	2	1-2-5	5
4BQ7	4.2	30	80	15123	14111	2	4	1-2-5-7	7	"	4.2	71	85	13612	65411	3	3	1-2-7-8	8
4BS8	4.2	75	75	66612	45111	2	2	6-7-8	6	"	4.2	71	85	13412	15661	3	3	1-2-3-7	3
"	4.2	13	20	66612	45111	2	3	1-2-3	1	4HT6	4.2	75	75	15621	14361	3	2	1-2-7-8	7
"	4.2	13	20	45112	66611	2	3	1-2-3	1	4JC6	4.2	55	80	15621	14361	3	2	1-2-7-8	7
4BU8	4.2	24	30	13412	15661	2	4	1-2-3-7	3	4JD6	4.7	70	70	15621	14361	3	2	1-2-7-8	7
"	4.2	42	30	13612	65411	2	4	1-2-7-8	8	4JH6	4.2	30	87	51214	31111	3	2	1-2-5-6	5
4BX8	4.2	25	75	66621	45111	2	2	6-7-8	6	4JL6	3.8	18	85	51214	31111	2	2	1-2-5-6	5
"	4.2	25	75	45121	66611	2	2	1-2-3	1	"	4.2	62	85	41121	11151	3	2	1-8-9	1
4BZ6	4.2	40	85	51214	31111	3	2	1-2-5-6	5	4JW8	4.2	74	80	15321	41111	3	2	2-3-6-7	7

JBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
CF8	4KFB	4.2	65 70	13421 15111	3	3	1-2-3-7	3	5BQ7	5.0	75	75	66612 45111	2	2	6-7-8	6
ON8	4KNB	4.2	65 70	13121 15411	3	3	1-2-7-8	8	5BR8	5.0	75	75	45112 66611	2	2	1-2-3	1
OT6	4KT6	4.2	35 35	66612 45111	2	2	6-7-8	6	5BT8	5.0	22	89	54112 66661	4	2	1-2-3	2
J8	4LJ8	4.2	35 35	45112 66611	2	2	1-2-3	1	5CG8	5.0	22	98	66612 43151	4	2	6-7-8-9	6
JU6	4LU6	4.2	50 45	15621 14311	3	2	1-2-7-8	7	5CL8	5.0	7	5	55112 66661	4	6	1-2-3	1-2
MK8	4MK8	4.2	40 85	54112 66661	2	2	1-2-3	2	5CM6	5.0	29	100	66612 43511	3	2	6-7-8-9	6
		4.2	50 85	66112 43651	3	2	3-6-7-9	6		5.0	65	85	54112 66661	2	2	1-2-3	2
		4.2	83 68	51214 31111	2	2	1-2-5-6	5		5.0	35	19	66112 43651	3	3	3-6-7-9	6
		4.2	70 70	13412 15661	4	3	1-2-3-7	3		5.0	30	35	54121 11111	3	2	1-2-3	2
		4.2	35 70	13612 65411	4	3	1-2-7-8	8		5.0	70	90	11121 43151	3	2	6-7-8-9	6
		4.2	35 70	13612 65411	4	3	1-2-7-8	8		5.0	45	25	36512 61641	4	2	1-3-7-9	9
MP12	4MP	4.7	30 70	51214 31111	3	2	1-2-5-6	5	5Q8	5.0	7	84	46612 66151	3	2	1-8-9	1
MP26	4MP	4.2	71 35	51214 36111	2	2	1-2-5-6	5	5Q8	5.0	7	45	41661 41661	3	3	2-3-6-7	6
RHH2	4RHH2	4.2	70 30	45121 11111	1	3	1-2-3	1	5CZ9	5.0	45	45	31521 61641	3	2	1-2-7-9	9
RHH8	4R	4.2	70 30	11121 45111	1	3	6-7-8	6	5DH8	5.0	80	80	66121 43151	3	2	6-7-8-9	6
RHH15	4R	4.2	35 35	66612 45111	2	2	1-2-3	1	5DJ4	5.0	50	50	54121 66661	2	4	1-2-3	4
		4.2	35 35	45112 66611	2	2	1-2-3	1	5EA8	5.0	0	80	62641 11611	2	1	4	5
		3.8	30 76	45121 11111	2	2	1-2-3	1	5EU8	5.0	75	65	61611 66151	2	1	1-8-9	1
		3.8	30 65	11121 45111	2	2	6-7-8	6		5.0	60	80	46612 66151	2	2	2-3-6-7	6
5 AM8		5.0	0 10	66612 61411	1	2	7-8	8		5.0	7	28	65312 41661	2	3	2-3-6	3
		5.0	40 40	15312 41111	2	3	1-2-3-6	6		5.0	7	100	65412 16661	2	3	1-7-8-9	1
5 AN8		5.0	20 40	45112 66661	3	2	1-2-3	1	5EW6	6.3	75	82	51214 31111	3	2	1-2-5-7	5
5 AQ4		5.0	60 60	66612 43511	3	2	6-7-8-9	6	5FG7	4.7	50	90	54112 66661	2	2	1-2-3	2
5 AQ5		5.0	0 65	12141 11111	2	1	4	4	5FV8	4.7	72	90	66112 43651	3	2	3-6-7-9	6
AR4		5.0	0 65	12111 41111	2	1	1-2-5-6	5	5GH8	5.0	60	85	66621 43151	3	2	6-7-8-9	6
AS4		5.0	70 34	51124 36111	3	2	4	4	5GJ7	5.0	60	70	54121 66661	2	2	1-2-3	2
AS8		5.0	0 95	11141 61211	1	1	6	6	5GM6	5.0	80	89	65312 41661	2	2	2-3-6-7	6
		5.0	0 95	11161 41211	1	1	6	6		5.0	36	89	46612 66151	2	2	1-8-9	1
		5.0	0 80	12111 41111	2	1	4	4		5.0	22	50	15612 43661	2	3	1-2-6-7	6
		5.0	0 80	12141 11111	2	1	1-2-3-9	9		5.0	22	50	16612 66451	2	2	1-8-9	1
		5.0	20 10	35112 61641	3	3	6-8	6		5.0	22	50	66451 36111	2	2	1-2-5-6	5
		5.0	0 10	66612 46161	1	2		6		5.0	30	70	51214 36111	4	2		5
AT8		5.0	63 91	54112 66661	2	2	1-2-3	1	5GS7	5.0	20	80	54112 66661	2	2	1-2-3	2
AU4		5.0	66 95	66112 43151	3	2	6-7-9	6	5GX6	5.0	65	80	66112 43651	3	2	3-6-7-9	6
AV8		5.0	0 82	61646 66211	4	1	4	4	5GX7	5.0	80	90	31111 43661	4	2	1-2-5-6	6
AW4		5.0	0 82	61666 46211	4	1	6	6	5HA7	5.0	70	75	15621 43661	3	2	1-2-6-7	6
AB8		4.7	35 30	15421 11111	3	2	1-2-3	3	5HB7	5.0	45	40	66451 66451	3	2	1-8-9	1
BC3		4.7	70 80	11121 51341	3	2	6-7-8-9	9	5HC7	5.0	50	72	11611 11611	3	3	1-5-6	5
BK5		5.0	0 70	61646 66211	2	1	4	4	5HZ6	5.0	50	72	21111 21111	3	2	1-2-9	2
BK7		5.0	0 70	61666 46211	2	1	6	6	5J6	5.0	75	80	15621 43661	3	2	1-2-6-7	6
		5.0	87 95	15412 66661	1	2	1-2-3	1		5.0	50	60	16621 66451	3	2	1-8-9	1
		5.0	30 25	66612 51341	2	3	6-7-8-9	9		5.0	4.7	7	24111 16151	3	4	2-3	2
		5.0	0 80	26114 61111	2	1	5	5		5.0	4.2	85	45112 11111	3	2	1-8	1
		5.0	0 80	26111 11461	2	1	8	8		5.0	4.2	80	51214 31111	3	2	1-2-5-6	6
		5.0	93 30	41512 16311	2	2	1-3-6-9	1		5.0	80	90	61111 61111	4	2	2-5-7	2
		5.0	65 85	66621 45111	2	2	6-7-8	6		5.0	20	20	64125 61111	2	3	1-6-7	1
		5.0	65 85	45121 66611	2	2	1-2-3	1		5.0	20	20	46126 51111	2	2	1-6-7	1

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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
5KE8	5.0	80	80	65312	41661	3	2	2-3-6-7	6	"	5.0	0	57	11416	11211	4	1	3	3
5KZ8	5.0	30	30	15321	41111	2	3	2-3-6-7	6	5Z3	5.0	0	35	14621	11111	4	1	2	2
5LJ8	5.0	50	80	41121	11151	2	2	1-8-9	1	"	5.0	0	35	16421	11111	4	1	3	3
	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
	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	6.3	90	12	54121	11111	1	3	1-2-9	2
5MHH3	4.7	25	30	54121	66661	2	3	1-2-3	2	"	6.3	90	12	52114	11111	1	3	1-5-6	5
5MK9	4.7	45	60	64215	61111	3	2	2-5-7	2	"	6.3	90	12	21114	15111	1	3	5-6-7	5
5MQ8	4.7	45	60	46216	51111	3	2	1-6-7	1	6AD10	6.3	25	50	21511	34111	4	3	2-3-6-7	7
5R4	5.0	0	75	66214	66111	2	1	5	5	"	6.3	30	60	11513	41121	3	2	3-4-5-6	6
5RDDH1	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
"	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
"	4.7	0	100	41121	11111	1	1	1-2	1	6AF11	6.3	65	50	13521	14111	2	2	1-2-3-7	7
"	4.7	0	100	11121	41111	1	1	3-6	6	"	6.3	94	100	21111	51411	1	2	5-6-8	8
"	4.7	37	70	11121	14511	1	4	4-5-9	7	"	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
5RHR1	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
5T8	5.0	58	89	65312	41661	2	2	1-8-9	1	6AG9	6.3	20	10	13511	24111	3	2	1-2-3-7	7
"	5.0	50	50	56612	51661	3	5	2-3-6-7	6	"	6.3	20	75	21115	14661	3	2	5-6-7	7
"	5.0	50	50	66612	61541	3	3	1-7	9	6AG11	6.3	0	100	21411	11111	1	1	2-3	3
5U4	5.0	50	50	65112	66661	3	4	7-8-9	2	"	6.3	74	40	21115	41111	1	3	4-5-6	6
5U8	5.0	50	50	56612	51661	3	5	2-3	2	"	6.3	71	40	21111	14511	1	3	7-8-9	7
5U9	5.0	0	100	12111	41111	1	1	6-7	6	6AH4	6.3	15	75	11114	11121	1	1	5-6	5
5U9	5.0	0	100	12141	11111	1	1	6	6	6AH6	6.3	75	80	51664	62111	1	2	1-5-8	5
5V4	5.0	55	90	46612	66151	2	2	1-8-9	4	"	6.3	75	80	56124	31111	3	2	1-5-6-7	5
5V6	5.0	44	73	65312	41661	2	3	2-3-6-7	6	6AH9	6.3	40	50	25411	11111	3	2	2-3-4	3
5V9	6.3	50	50	16112	16145	1	3	1-9-C	9	"	6.3	70	50	13114	11215	2	2	1-2-5-C	5
5X8	6.3	35	40	61512	14311	1	4	2-3-7-8	7	6AJ7	6.3	13	87	61151	32411	4	2	4-5-6-8	8
5X9	5.0	0	65	11141	61211	2	1	4	4	6AJ8	6.3	92	92	35121	43661	2	2	1-2-3-6-7	7
	5.0	0	65	11161	41211	2	1	6	6	"	6.3	76	76	35121	43451	1	3	8-9	8
	4.7	40	40	61436	62111	4	2	3-4-5-8	3	6AK5	6.3	35	35	51214	36111	2	3	1-2-5-6	5
	5.0	65	65	11532	14111	1	4	1-3-4-7	7	6AK6	6.3	50	89	51124	31111	3	2	1-5-6-7	5
	5.0	55	55	11112	11514	1	3	8-9-C	C	6AK7	6.3	60	38	11151	32411	3	2	4-5-6-8	8
	4.7	20	30	16621	15341	3	3	6-7-8-9	9	6AK9	6.3	66	66	11665	42111	1	3	2-5-6	6
	4.7	20	90	15421	16611	2	2	2-3	2	"	6.3	66	66	11536	62111	1	3	2-3-4	4
	6.3	87	40	16112	16645	1	3	1-9-C	9	6AK10	6.3	65	75	24516	61661	1	3	2-3-7	7
	6.3	18	10	61512	14311	2	3	2-3-7-8	7	"	6.3	65	74	21114	15111	2	2	5-6-7	5
	6.3	18	10	61512	14311	2	3	2-3-7-8	7	"	6.3	66	75	11152	11411	2	2	4-8-9	9



TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6AL3	6.3	0	100		66612	1	1	9-C	9
6AL5	6.3	0	98		16211	1	1	1-7	7
6AL9	6.3	0	98		14211	1	1	2-5	2
6AL11	(5)	10	41		13511	2	3	1-2-3-7	7
6AM4	(0)	90	45		21115	2	2	5-6-7	7
6AM8	(0)	45	40		21516	3	3	2-6-7	6
6AN4	(8)	55	60		11513	3	2	3-4-5-6	6
6AN5	(0)	80	70		51664	3	2	1-2-5	5
6AN8	(0)	0	10		66612	1	2	7-8	8
6AQ5	(0)	40	40		15312	2	3	1-2-3-6	6
6AQ6	(0)	7	93		45211	4	2	1-2-5	1
6AQ7	(0)	50	50		51214	2	2	1-2-5-6	5
6AQ8	(0)	20	40		45112	3	2	1-2-3	1
6AR5	(0)	60	60		66612	3	2	6-7-8-9	6
6AR8	(0)	70	34		51124	3	2	1-2-5-6	5
6AR11	(7)	14	89		51216	3	3	1-2-7	7
6AS5	(0)	14	89		51214	3	6	5-6	5-6
6AS6	(0)	50	50		51511	2	5	1-2-3	1-3
6AS7	(0)	7	39		61654	4	4	4-5-6	5
6AT6	(0)	80	80		66621	2	2	6-7-8	6
6AT7N	(0)	80	80		45121	2	2	1-2-3	1
6AT8	(0)	65	33		51124	4	2	1-2-5-6	2
6AU4	(0)	20	20		11421	4	3	3-6-8-9	8-9
6AU5	(0)	30	30		24315	2	3	2-3-4-5-6	2
6AU6	(0)	34	34		14351	2	2	1-2-3-4-5	2
6AU7	(0)	7	25		15126	4	2	1-2-6-7	7
6AU8	(0)	30	40		51214	3	3	1-2-5-6	5
6AU9	(0)	15	10		11154	2	1	4-5-6	5
6AU10	(0)	15	10		54111	2	1	1-2-3	2
6AU11	(0)	20	10		35112	3	3	1-2-3-9	9
6AU12	(0)	0	10		66612	1	2	6-8	6
6AU13	(0)	35	65		13521	3	2	1-2-3-7	7
6AU14	(0)	30	90		21111	3	2	5-6-8	8
6AU15	(0)	30	90		21541	3	2	3-4-7	4
6AU16	(0)	13	93		51216	1	4	2-7	7
6AU17	(0)	67	36		11215	2	6	5-6	5-6
6AU18	(0)	30	90		66621	3	2	6-7-8	6
6AU19	(0)	30	90		45121	3	2	1-2-3	1
6AU20	(0)	63	91		54112	2	2	1-2-3	2
6AU21	(0)	66	95		66112	3	2	6-7-9	6
6AU22	(0)	0	62		66114	1	2	3-5	5
6AU23	(0)	25	90		51114	3	1	1-3-5-8	5
6AU24	(0)	70	89		51124	3	2	1-5-6-7	5
6AU25	(0)	95	100		45121	1	2	1-2-3	1
6AU26	(0)	95	100		11121	1	2	6-7-8	6
6AU27	(0)	95	100		11121	1	2	6-7-8	6
6AU28	(0)	95	100		45161	1	2	6-7-8	6
6AU29	(0)	95	100		45161	1	2	6-7-8	6
6AU30	(0)	95	100		45161	1	2	6-7-8	6
6AU31	(0)	95	100		45161	1	2	6-7-8	6
6AU32	(0)	95	100		45161	1	2	6-7-8	6
6AU33	(0)	95	100		45161	1	2	6-7-8	6
6AU34	(0)	95	100		45161	1	2	6-7-8	6
6AU35	(0)	95	100		45161	1	2	6-7-8	6
6AU36	(0)	95	100		45161	1	2	6-7-8	6
6AU37	(0)	95	100		45161	1	2	6-7-8	6
6AU38	(0)	95	100		45161	1	2	6-7-8	6
6AU39	(0)	95	100		45161	1	2	6-7-8	6
6AU40	(0)	95	100		45161	1	2	6-7-8	6
6AU41	(0)	95	100		45161	1	2	6-7-8	6
6AU42	(0)	95	100		45161	1	2	6-7-8	6
6AU43	(0)	95	100		45161	1	2	6-7-8	6
6AU44	(0)	95	100		45161	1	2	6-7-8	6
6AU45	(0)	95	100		45161	1	2	6-7-8	6
6AU46	(0)	95	100		45161	1	2	6-7-8	6
6AU47	(0)	95	100		45161	1	2	6-7-8	6
6AU48	(0)	95	100		45161	1	2	6-7-8	6
6AU49	(0)	95	100		45161	1	2	6-7-8	6
6AU50	(0)	95	100		45161	1	2	6-7-8	6
6AU51	(0)	95	100		45161	1	2	6-7-8	6
6AU52	(0)	95	100		45161	1	2	6-7-8	6
6AU53	(0)	95	100		45161	1	2	6-7-8	6
6AU54	(0)	95	100		45161	1	2	6-7-8	6
6AU55	(0)	95	100		45161	1	2	6-7-8	6
6AU56	(0)	95	100		45161	1	2	6-7-8	6
6AU57	(0)	95	100		45161	1	2	6-7-8	6
6AU58	(0)	95	100		45161	1	2	6-7-8	6
6AU59	(0)	95	100		45161	1	2	6-7-8	6
6AU60	(0)	95	100		45161	1	2	6-7-8	6
6AU61	(0)	95	100		45161	1	2	6-7-8	6
6AU62	(0)	95	100		45161	1	2	6-7-8	6
6AU63	(0)	95	100		45161	1	2	6-7-8	6
6AU64	(0)	95	100		45161	1	2	6-7-8	6
6AU65	(0)	95	100		45161	1	2	6-7-8	6
6AU66	(0)	95	100		45161	1	2	6-7-8	6
6AU67	(0)	95	100		45161	1	2	6-7-8	6
6AU68	(0)	95	100		45161	1	2	6-7-8	6
6AU69	(0)	95	100		45161	1	2	6-7-8	6
6AU70	(0)	95	100		45161	1	2	6-7-8	6
6AU71	(0)	95	100		45161	1	2	6-7-8	6
6AU72	(0)	95	100		45161	1	2	6-7-8	6
6AU73	(0)	95	100		45161	1	2	6-7-8	6
6AU74	(0)	95	100		45161	1	2	6-7-8	6
6AU75	(0)	95	100		45161	1	2	6-7-8	6
6AU76	(0)	95	100		45161	1	2	6-7-8	6
6AU77	(0)	95	100		45161	1	2	6-7-8	6
6AU78	(0)	95	100		45161	1	2	6-7-8	6
6AU79	(0)	95	100		45161	1	2	6-7-8	6
6AU80	(0)	95	100		45161	1	2	6-7-8	6
6AU81	(0)	95	100		45161	1	2	6-7-8	6
6AU82	(0)	95	100		45161	1	2	6-7-8	6
6AU83	(0)	95	100		45161	1	2	6-7-8	6
6AU84	(0)	95	100		45161	1	2	6-7-8	6
6AU85	(0)	95	100		45161	1	2	6-7-8	6
6AU86	(0)	95	100		45161	1	2	6-7-8	6
6AU87	(0)	95	100		45161	1	2	6-7-8	6
6AU88	(0)	95	100		45161	1	2	6-7-8	6
6AU89	(0)	95	100		45161	1	2	6-7-8	6
6AU90	(0)	95	100		45161	1	2	6-7-8	6
6AU91	(0)	95	100		45161	1	2	6-7-8	6
6AU92	(0)	95	100		45161	1	2	6-7-8	6
6AU93	(0)	95	100		45161	1	2	6-7-8	6
6AU94	(0)	95	100		45161	1	2	6-7-8	6
6AU95	(0)	95	100		45161	1	2	6-7-8	6
6AU96	(0)	95	100		45161	1	2	6-7-8	6
6AU97	(0)	95	100		45161	1	2	6-7-8	6
6AU98	(0)	95	100		45161	1	2	6-7-8	6
6AU99	(0)	95	100		45161	1	2	6-7-8	6
6AU100	(0)	95	100		45161	1	2	6-7-8	6

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MÉRIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MÉRIT
6BC8		6.3	20	10	66612	2	3	6-7-8	6	6BL7		6.3	50	55	11154	2	2	4-5-6	5
6BD11	(5)	6.3	20	10	45112	2	3	1-2-3	1	6BL8		6.3	50	55	54111	2	2	1-2-3	2
"	(0)	6.3	47	85	13521	2	2	1-2-3-7	7	6BM8		6.3	35	70	46612	2	2	1-8-9	1
"	(0)	6.3	59	90	21541	2	2	3-4-7	4	6BN4		6.3	50	70	65312	4	2	2-3-6-7	6
6BE3	(0)	6.3	59	90	21111	2	2	5-6-8	8	6BN6		6.3	70	85	56621	3	2	1-8-9	9
6BE6	(0)	6.3	0	75	21141	2	1	4-7	4	6BN7		6.3	35	55	61521	2	2	2-3-6-7	6
6BF5		6.3	30	90	51214	2	3	1-2-5-7	5			6.3	74	17	15214	1	3	1-2-5	5
6BF6		6.3	25	60	51124	2	2	1-2-5-6	5			6.3	30	80	15123	2	4	1-2-5-7	7
6BF7		6.3	85	90	11215	3	4	5-6	5-6			6.3	25	75	15123	2	4	1-2-5-6-7	7
6BF8		6.3	85	90	51216	2	2	1-2-7	7			6.3	0	75	66621	2	1	9-C	9
6BF11	(0)	6.3	15	30	66161	3	3	5-7-8	8	6BR3		6.3	50	40	51612	6	6	1-2	1
6BG6		6.3	15	30	45116	3	3	1-2-4	1	6BR5		6.3	50	40	66112	1	6	3-6	6
6BH3		6.3	65	75	56621	2	4	1-6	1	6BR8		6.3	7	65	66612	1	4	7-8-9	7
6BH6		6.3	65	75	65621	2	4	2	2			6.3	80	90	21534	2	2	2-3-4-5	5
		6.3	65	75	66521	2	4	3	3			6.3	80	90	11111	2	2	2-3-4-6	6
		6.3	65	75	66621	2	4	7	7			6.3	60	95	41121	4	1	2-3-7-9	9
		6.3	65	75	66621	2	4	8	8			6.3	85	80	64631	2	2	4-5-8-C	C
		6.3	65	75	66621	2	4	9	9			6.3	65	65	61114	2	2	6-7-8	8
6BF11	(6)	6.3	52	70	21511	3	3	2-3-6-7	7	6BR3		6.3	0	75	66612	2	2	1-2-3	3
6BJ3		6.3	50	55	51341	2	2	1-2-3-4	4	6BR5		6.3	0	15	11621	4	5	1-7-9	9
6BJ6		6.3	85	90	12115	4	1	3-5-8-C	C	6BR8		6.3	16	30	11621	4	5	1-2-3	3
6BJ7		6.3	0	45	66621	4	4	7-9	7			6.3	25	98	54112	2	3	6-7-8-9	9
"		6.3	65	65	51214	2	3	1-2-5-6	5			6.3	0	15	66661	4	5	1-2-3	3
6BH8		6.3	40	40	15412	3	2	1-2-3	3	6BS3		6.3	0	15	66612	4	2	1-7-9	9
6BH11	(0)	6.3	30	30	66612	2	3	6-7-8-9	9	6BS8		6.3	13	20	66621	2	1	6-7-8-9	9
"	(0)	6.3	40	60	21451	3	2	2-3-4	4			6.3	13	20	66612	2	3	6-7-8	8
"	(6)	6.3	40	60	21111	3	2	5-6-7	6			6.3	13	20	45112	2	3	1-2-3	3
6BJ3	(0)	6.3	80	85	53411	3	2	1-2-3-4	4	6BU8		6.3	24	30	13412	2	4	1-2-3-7	7
6BJ6	(0)	6.3	0	75	21141	2	1	4-7	4	6BV8		6.3	42	30	13612	2	4	1-2-7-8	8
6BJ7		6.3	55	26	51214	2	3	1-2-5-6	5			6.3	50	50	66612	4	3	6-8	8
"		6.3	20	58	15612	2	4	1-2	2			6.3	50	50	66612	4	3	7-9	9
6BJ8		6.3	20	58	66612	2	4	6-7	6			6.3	15	15	15412	2	3	1-2-3	3
"		6.3	20	58	66612	2	4	8-9	8	6BV11		6.3	40	40	21431	3	3	3-4-5-6	6
"		6.3	50	50	51612	1	6	1-2	1	6BW3		6.3	40	40	51341	3	3	1-2-3-4	4
"		6.3	50	50	66112	1	6	3-6	6	6BW4		6.3	0	67	11141	2	1	1-4	4
"		6.3	7	45	66612	2	3	7-8-9	7	6BW6		6.3	0	50	66612	1	2	7-9	9
6BK4		6.3	45	60	11665	3	4	1-5-C	C	6BW8		6.3	40	70	46612	1	2	1-9	9
6BK5		Good	tube	reads	above	40				6BW11		(0)	40	40	51111	3	3	1-3-7-8	8
6BK7		6.3	93	30	41512	2	2	1-2-6-9	9	6BX7		(7)	40	70	56121	3	4	1-3-4	4
6BK8		6.3	65	85	66621	2	2	6-7-8	8	6BX8		(7)	70	90	51512	3	2	1-4	4
6BK11		6.3	65	85	45121	2	2	1-2-3	3			(6)	70	90	66612	3	2	7-9	9
"	(8)	6.3	55	60	51121	3	4	1-3-6-9	9			(2)	45	70	43151	3	2	1-3-7-8	8
"	(0)	6.3	50	50	11654	3	3	4-5-C	C				32	32	11215	2	2	1-2-3	3
"	(6)	6.3	50	50	21114	3	3	5-6-7	5				32	32	12111	2	2	4-5-6	6
"		6.3	50	50	11151	3	3	4-8-9	8				25	75	66621	2	2	4-5-6	6
"		6.3	50	50	11151	3	3	4-8-9	8				25	75	45121	2	2	1-2-3	3

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6BY5	6.3	0	36	0	11146	12611	4	1-4	4
6BY6	6.3	0	36	0	61164	12111	5	5-8	5
6BY7	6.3	30	95	30	51214	31111	5	1-2-5-6-7	5
6BY8	6.3	45	60	45	15621	14311	7	1-2-7-8	7
6BY11	(0)	50	75	50	56121	14311	7	1-7-8-9	7
6BZ3	(8)	50	50	50	11121	41111	6	3-6	6
6BZ6	(0)	50	50	50	21511	34111	7	2-3-6-7	7
6BZ7	(0)	50	50	50	11513	41121	6	3-4-5-6	6
6BZ8	(0)	65	65	65	21146	61661	4	4-7	4
6C4	6.3	40	85	40	51214	31111	5	1-2-5-6	5
6C5	6.3	80	100	80	66612	45111	6	6-7-8	6
6C9	6.3	73	100	73	45112	66611	1	1-2-3	1
6C10	(0)	7	25	7	66612	45111	6	6-7-8	6
"	(4)	7	60	7	45112	66611	1	1-2-3	1
6C16	(5)	93	100	93	46126	51111	1	1-6-7	1
6C18	6.3	65	80	65	62465	61111	1	3-5-8	1
6CA4	6.3	36	15	36	53421	11111	3	1-2-3-C	3
6CA7	6.3	36	15	36	11121	15341	3	6-7-8-9	3
6CA11	(0)	50	50	50	21114	15111	5	5-6-7	5
"	(8)	50	50	50	15112	41116	6	2-6-7	6
6CB5	6.3	35	70	35	54111	21111	2	1-2-9	2
6CB6	6.3	50	70	50	46612	66151	1	1-8-9	1
6CC31	(0)	50	30	50	65312	41661	6	2-3-6-7	6
"	(0)	30	70	30	46121	66151	1	1-8-9	1
6CC42	(8)	70	70	70	63421	65161	3	2-3-7-8	3
6CC43	(0)	0	70	0	46121	66111	1	1-3	1
6CD3	6.3	30	95	30	66121	64111	7	3-7	7
6CD6	6.3	11	50	11	11435	12111	3	3-4-5-8	3
6CE3	(0)	20	50	20	21141	51111	4	4-5-6	4
6CE5	(0)	20	50	20	24511	11111	2	2-3-7	2
6CF6	(0)	60	54	60	11513	42111	6	3-4-5-6	6
6CG3	6.3	10	75	10	31156	62614	C	1-3-4-C	C
6CG7	6.3	40	90	40	51214	31111	5	1-2-5-7	5
6CG8	6.3	20	20	20	64125	61111	2	2-5-7	2
6CB5	6.3	20	20	20	46126	51111	1	1-6-7	1
6CB6	6.3	30	30	30	21541	45111	4-6	2-3-4-6-7-8	4-6
6CC31	(0)	80	80	80	66621	45111	6	6-7-8	6
6CC42	(0)	80	80	80	45121	66611	1	1-2-3	1
6CC43	(0)	0	59	0	21146	61661	4	4-7	4
6CD3	6.3	90	90	90	12115	11314	C	3-5-8-C	C
6CE3	(0)	0	59	0	21146	61661	4	4-7	4
6CE5	6.3	30	20	30	51214	36111	5	1-2-5-6	5
6CF6	6.3	40	5	40	51214	31111	5	1-2-5-6	5
6CG3	(0)	0	65	0	21146	61661	4	4-7	4

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6CG7	6.3	30	30	30	66612	45111	2	6-7-8	2
6CG8	6.3	30	30	30	45112	66611	3	1-2-3	3
6CH3	6.3	65	85	65	54112	66661	2	1-2-3	2
6CH8	6.3	35	19	35	66112	43651	3	3-6-7-9	3
6CH40	6.3	0	70	0	66621	64621	1	7-9	1
6CJ3	6.3	45	45	45	14321	15111	3	2-3-6-7	3
6CJ6	6.3	50	50	50	11121	11541	2	1-8-9	2
6CK3	6.3	92	92	92	35121	43661	2	1-2-3-6-7	2
6CK4	6.3	76	76	76	35121	43451	3	8-9	3
6CL3	6.3	0	20	0	66621	64611	1	7-9	1
6CL5	6.3	30	20	30	65121	66314	2	2-3-9-C	2
6CL6	6.3	0	20	0	66612	66611	1	2-9	1
6CL8	6.3	30	35	30	54121	11111	2	1-5-8	2
6CM3	6.3	70	90	70	11121	43151	1	7-9	1
6CM4	6.3	0	35	0	64621	66611	1	7-9	1
6CM5	6.3	55	70	55	45121	66661	2	3-4-8-C	2
6CM6	6.3	30	20	30	62635	11114	2	1-2-3	2
6CM7	6.3	45	25	45	36512	61641	2	1-3-7-9	2
6CM8	6.3	80	67	80	66112	45661	2	3-6-7	2
6CN7	6.3	40	65	40	46612	66511	2	1-8-9	2
6CQ4	6.3	7	25	7	46612	66151	4	1-8-9	4
6CQ8	6.3	7	50	7	65112	43661	3	2-3-6-7	3
6CR6	6.3	20	87	20	66612	15461	4	6-7-8	4
6CS6	6.3	10	35	10	55112	66661	6	1-2-3	6
6CS7	6.3	0	70	0	66114	12111	2	3-5	2
6CT3	6.3	50	50	50	15321	41111	3	2-3-6-7	3
6CU5	6.3	15	15	15	41121	11151	3	1-8-9	3
6CU6	6.3	7	23	7	15126	66111	6	1-2	6
6CU8	6.3	15	30	15	16124	35111	4	1-5-6-7	4
6CW4	6.3	11	19	11	51214	31111	2	1-2-5-6	2
6CW5	6.3	75	90	75	66612	45161	2	6-7-8	2
6CX8	6.3	25	80	25	46512	66611	2	1-3-9	2
6CB5	6.3	0	93	0	64621	66611	1	2-9	1
6CB6	6.3	23	90	23	15216	34111	3	1-2-6-7	3
6CC31	6.3	25	80	25	11635	62114	4	4-5-8-C	4
6CC42	6.3	7	45	7	14312	15141	3	2-6-7	3
6CC43	6.3	7	65	7	16612	66541	2	1-8-9	2
6CD3	6.3	27	40	27	14151	11111	3	2-4-8	3
6CE3	6.3	25	35	25	65121	64631	2	2-3-7-9	2
6CE5	6.3	85	85	85	15412	66661	2	1-2-3	2
6CF6	6.3	75	75	75	66612	15341	2	6-7-8-9	2

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	6.3	70	70	21114	15611	3	2	5-6-7	5
"	6.3	70	70	51124	11111	3	2	1-5-6	5
"	6.3	70	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
6DG6	6.3	40	40	45621	11111	3	1	1-2-9	1
6DJ8	6.3	7	93	61435	62111	3	1	3-4-5-8	3
"	6.3	50	50	66621	45111	2	2	6-7-8	6
6DK3	6.3	50	50	45121	66611	2	2	1-2-3	1
"	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	6.3	0	60	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	6.3	0	60	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	6.3	50	45	11266	61514	4	4	7-8-C	C
"	Cap goes to top of tube.	70	75	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
6EA8	6.3	75	65	46612	66151	2	2	1-8-9	1
"	6.3	60	80	65312	41661	3	2	2-3-6-7	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	6.3	40	60	21166	61564	4	4	7-8-C	C
6EH4	6.3	70	75	11261	11514	3	4	7-8-C	C
6EH5	Cap goes to top of tube.	47	47	15126	34111	2	2	1-2-6-7	7
6EH7	6.3	30	40	15612	14311	2	3	1-2-7-8	7
6RH8	6.3	20	65	15412	66661	3	2	1-2-3	3
"	6.3	20	75	66612	15341	2	3	6-7-8-9	9
6EJ4	6.3	70	90	11261	11514	3	4	7-8-C	C
"	Cap goes to top of tube.	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
6EN4	6.3	80	54	12665	61614	3	4	1-5-C	C
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	20	65214	2	3	2-5-7	5	6FH8	6.3	81	20	65412	1	3	2-3	3	
6ES8	6.3	7	60	7	66612	2	2	6-7-8	6	"	6.3	77	71	46612	2	3	1-6-7	1	
6EU7	6.3	7	60	26	45112	2	2	1-2-3	1	"	6.3	85	71	66612	2	3	6-7-8	8	
6EU8	6.3	26	80	26	12166	3	3	7-8-9	7	6FJ7	6.3	14	71	66612	2	3	6-7-9	9	
6EV5	6.3	26	80	26	12115	3	3	4-5-6	6	"	(0)	25	55	21514	2	2	3-5-7	5	
6EV7	6.3	7	28	7	65412	2	3	2-3-6	3	6FM7	6.3	45	75	15411	3	2	1-2-3	3	
6EW6	6.3	14	95	14	46612	2	3	1-7-8-9	1	"	(8)	30	30	11615	3	3	4-5-6	6	
6EW7	6.3	60	60	60	51214	3	2	1-2-5-6	5	6FM8	6.3	50	50	21514	2	1	3-5-7	5	
6EX6	6.3	20	10	20	11121	3	3	6-7-8	6	"	(0)	0	100	14112	1	1	2-3	2	
6EZ5	6.3	20	10	20	45121	3	3	1-2-3	1	"	6.3	0	98	11112	1	1	1-6	6	
6EZ8	6.3	75	82	75	51214	3	2	1-2-5-7	5	6FQ5	6.3	77	85	66612	1	3	7-8-9	9	
6F5	6.3	90	42	90	11121	1	3	6-7-8	6	"	6.3	60	70	15214	2	2	1-2-5	5	
6F6	6.3	84	90	84	45621	1	1	1-2-9	1	6FQ7	6.3	31	31	11121	2	3	6-7-8	6	
6F10	6.3	35	50	35	12115	3	2	3-5-8-C	C	"	6.3	31	31	45121	2	3	1-2-3	1	
6F19	6.3	60	40	60	61435	3	2	3-4-5-8	3	6FR7	6.3	40	75	11121	3	3	6-7-8	6	
6F21	6.3	10	30	10	15412	2	4	1-2-3	3	"	6.3	20	30	45621	3	1	1-2-9	1	
6F22	6.3	15	85	15	66612	2	3	6	6	6F5	6.3	54	20	51214	2	3	1-2-5-6	5	
6F23	6.3	15	75	15	66612	2	3	8	8	"	6.3	55	70	56214	3	2	1-5-6-7	5	
6F26	6.3	88	83	88	11141	2	2	4-8-C	4	6FV6	6.3	60	85	66621	3	2	6-7-8-9	6	
6F29	6.3	75	75	75	61435	2	2	3-4-5-8	3	6FV8	6.3	60	70	54121	2	2	1-2-3	2	
6F30	6.3	13	87	13	61151	4	2	4-5-6-8	8	"	6.3	60	70	66661	3	2	1-2-3	2	
6F32	6.3	45	60	45	15621	2	3	1-2-7-8	7	6FW5	6.3	80	85	52114	3	1	1-3-5-8	5	
6F33	6.3	25	70	25	51124	3	3	1-2-5-7	5	6FY5	6.3	7	70	65214	2	3	2-5-7	5	
6F35	6.3	20	30	20	31121	4	3	1-3-6-9	6	6FY7	6.3	20	100	21514	1	1	3-5-7	5	
6F39	6.3	30	40	30	15612	2	3	1-2-7-8	7	"	(0)	40	57	61541	1	4	2-3-4	4	
6F40	6.3	45	60	45	15621	2	3	1-2-7-8	7	6G11	6.3	7	75	21511	2	4	2-3-4-6-7	6	
6F45	6.3	0	90	0	24111	1	1	2-4	2	"	6.3	87	97	51342	2	1	1-2-3-4	4	
6F50	6.3	45	60	45	61563	2	1	2-3-5-C	C	6GA7	6.3	70	60	23651	3	1	2-4-5-7	7	
6F55	6.3	11	100	11	15612	2	2	1-2-7-8	7	"	(6)	0	75	16641	2	1	1-4	4	
6F58	6.3	35	35	35	51214	2	3	1-2-5-6	5	6GB3	6.3	50	70	12135	2	2	4-5-8-C	C	
6F60	6.3	30	40	30	51214	3	3	1-2-5-6	5	6GB5A	6.3	78	78	65121	1	2	2-3-6-C	C	
6F65	6.3	25	25	25	51124	2	3	1-5-6-7	5	6GB6	6.3	91	80	11635	2	1	4-5-8-C	C	
6F67	6.3	50	60	50	11121	3	3	6-7-8	6	6GB7	6.3	42	72	12135	2	2	4-5-8-C	C	
6F68	6.3	50	60	50	45621	2	1	1-2-9	1	6GB9	6.3	78	78	11635	1	2	4-5-8-C	C	
6F69	6.3	70	75	70	12435	3	1	3-4-5-8	3	6GC5	6.3	40	50	36512	2	2	1-3-7-9	9	
6F70	6.3	25	25	25	51214	4	3	1-2-5-6	5	6GE5	6.3	60	84	23516	2	1	2-3-4-7	7	
6F75	6.3	15	60	15	56121	2	5	9	9	6GF5	6.3	50	70	23516	3	1	2-3-4-7	7	
6F77	6.3	50	90	50	54112	2	2	1-2-3	2	"	(0)	36	89	46612	2	2	2-3-4-7	7	
6F78	6.3	72	90	72	66112	3	2	3-6-7-9	6	6GF7	6.3	27	95	11121	2	3	1-8-9	8	
6F80	6.3	10	45	10	65214	2	2	4-5-8	5	6GH8	6.3	15	15	65121	1	2	2-3-6	6	
6F85	6.3	20	20	20	11635	2	2	1-2-3	2	"	Good	55	95	35121	2	1	2-3-6-7	7	
6F88	6.3	20	20	20	62114	2	2	2-5-7	2	6GJ5	6.3	22	50	15612	2	2	1-8-9	1	
6F90	6.3	20	20	20	62114	2	2	4-5-8	5	6GJ7	6.3	22	50	16612	2	2	1-2-3-C	C	
6F95	6.3	20	20	20	11635	2	2	1-2-3	2	6GK5	6.3	30	90	15214	2	2	1-2-6-7	7	
6F98	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F99	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F100	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F105	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F110	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F115	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F120	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F125	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F130	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F135	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F140	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F145	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F150	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F155	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F160	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F165	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F170	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F175	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F180	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F185	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F190	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F195	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F200	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F205	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F210	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F215	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F220	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F225	6.3	20	20	20	62114	2	2	1-2-3	2	"	Good	36	89	46612	2	2	1-8-9	1	
6F230	6.3	20	20	20	62114														

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)	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)	0	90	24111	66111	1	1	2-4	2
6GM5	6.3	100	90	36612	51641	3	1	1-6-7-9	9	"	(7)	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)	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.								
6GN8	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
	6.3	55	25	15412	66661	1	4	1-2-3	3	"	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
6GS7	6.3	0	80	11621	41111	2	1	6-7	6	6HJ5	(0)	70	70	21563	64161	2	1	2-3-5-7	7
	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
6GS8	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
	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
6GT5	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
6GU5	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
6GU7	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
	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	16112	13654	1	2	1-7-9-C	C	6HL8	6.3	55	60	46612	66151	3	2	1-8-9	1
		6.3	30	46121	66151	3	2	1-8-9	1	6HM5	6.3	65	85	65312	41661	3	2	2-3-6-7	6
6GV7	6.3	70	75	63421	65161	3	2	2-3-7-8	3	6HM6	6.3	90	96	51214	66111	1	2	1-2-5	5
6GV8	6.3	15	60	66612	43151	1	3	6-7-8-9	6	6HQ5	6.3	45	50	15621	14361	2	3	1-2-7-8	7
	6.3	15	80	45112	66661	4	2	1-2-3	1	6HR5	6.3	20	95	51214	66111	2	2	1-2-5	5
6GW6	6.3	7	75	11635	62114	3	1	4-5-8-C	C	"	6.3	20	40	51124	36111	2	3	1-2-5-6	5
6GW8	6.3	47	47	66312	41561	3	2	3-6-7-8	6	6HR6	6.3	85	80	56124	31111	3	2	1-5-6-7	5
6GX6	6.3	30	90	51612	66641	3	3	1-2-9	9	6HS5	6.3	60	65	25316	64661	3	2	2-3-4-7	7
	6.3	80	90	51214	31111	4	2	1-2-5-6	5	6HS6	6.3	25	40	51124	31111	2	3	1-5-6-7	5
6GX7	6.3	70	75	15621	43661	3	2	1-2-6-7	6	6HS8	6.3	53	55	13412	15661	2	4	1-2-3-7	3
	6.3	45	40	16621	66451	3	2	1-8-9	8	"	Good tube reads above 50.			13612	65411	2	4	1-2-7-8	8
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
6GZ5	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	7
6H6	6.3	60	60	15126	34111	3	2	1-2-6-7	7	6HV5	6.3	60	65	66621	51431	3	2	6-7-8-9	8
	6.3	90	70	61516	62111	3	3	3-4	3	"	(0)			25316	64661	3	2	2-3-4-7	7
6HA5	6.3	55	40	61665	62111	3	3	5-8	5	6HW8	6.3	70	70	34312	51431	3	3	*	2-8
6HA6	6.3	67	50	15121	34661	1	2	1-2-5	5	"	*1-2-3-6-8-9								
6HB6	6.3	50	50	15121	34661	2	2	1-2-6-7	7	6HZ5	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	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	6JT6		6.3	58	75	35121	66641	1	2	1-2-3-9	9
6J6		6.3	20	20	64125	61111	2	3	2-5-7	2	6JT8		6.3	40-40	40	15412	66661	3	3	1-2-3	3
6J7		6.3	20	20	46126	51111	2	3	1-6-7	1	6JU6		6.3	20	30	66612	15341	3	2	6-7-8-9	9
6J9		6.3	37	36	61431	62115	1	4	3-4-8-C	3	6JU8		6.3	100	98	65121	63164	1	1	2-3-7-C	C
"		6.3	60	70	45121	11111	3	2	1-2-3	1	"		6.3	0	98	41121	11111	1	1	1-2	1
"		6.3	60	70	11121	46651	3	2	6-9-10	6	"		6.3	0	98	64121	11111	1	1	2-3	1
6J10		6.3	60	70	11121	65461	3	2	7-8-10	8	"		6.3	0	98	11121	14111	1	1	7-8	7
"		(6)	55	55	14151	12311	3	2	2-4-8-9	2	"		6.3	0	98	11121	16411	1	1	8-9	8
"		(0)	40	35	21141	35111	4	4	4-6-7-8	4	6JV8		6.3	65	65	66621	15341	3	2	6-7-8-9	9
6J11		6.3	65	75	23465	11111	3	2	2-3-5-6	3	"		6.3	60	80	15421	66661	3	2	1-2-3	3
6JA5		6.3	65	75	31465	21111	3	2	1-2-3-5	3	6JW8		6.3	62	85	41121	11151	3	2	1-8-9	1
6JA8		6.3	85	85	25316	46661	1	2	2-3-4-6	6	6JY8		6.3	74	80	15321	41111	3	2	2-3-6-7	6
6JB5		6.3	69	93	66612	15341	3	2	6-7-8-9	9	6JZ6	(4)	6.3	60	60	66612	15341	3	2	1-2-3	3
6JB6		6.3	98	84	15412	66661	1	3	1-2-3	3	6JZ8	(0)	6.3	60	60	66612	15341	3	2	6-7-8-9	9
6JC5		6.3	60	60	25311	41161	2	2	2-3-4-6	6	6K6		6.3	30	70	61112	13654	3	1	6-7-9-C	C
6JC5		(0)	35	55	65121	63164	4	1	2-3-7-C	C	6K7		6.3	30	70	61112	13654	3	1	6-7-9-C	C
6JC5		(0)	40	66	25311	41661	2	2	2-3-4-6	6	6K8		6.3	7	81	11665	42111	2	3	5-6-8	6
6JC6		6.3	55	80	15621	14361	3	2	1-2-7-8	7	"		6.3	7	81	11435	62111	4	3	3-4-5-8	3
6JC8		6.3	68	18	15312	46661	3	3	1-2-3-6	6	6K11	(5)	6.3	25	25	54121	11111	2	3	4-6-8-9	4
6JD5		6.3	26	96	66612	61541	2	2	7-8-9	9	"	(2)	6.3	40	40	11211	14151	3	3	1-2-6	6
6JD6		6.3	38	38	25316	64661	2	3	2-3-4-7	7	6KA8	(3)	6.3	40	40	51124	11111	3	3	3-4-5-8	3
6JE6		6.3	70	70	15621	14361	3	2	1-2-7-8	7	6KD6	(4)	6.3	20	30	45121	61611	3	3	3-4-8-C	C
6JE8		6.3	90	50	65121	63164	2	1	2-3-7-C	C	6KD8		6.3	20	30	66121	51341	3	3	5-6-8	6
6JF6		6.3	70	80	35121	66664	2	1	1-2-3-C	C	6KE8		6.3	7	23	16112	13154	1	2	6-7-9-C	C
6JG5		6.3	78	50	66621	15341	2	2	6-7-8-9	9	6KG6		6.3	50	60	46612	66151	3	2	1-8-9	1
6JG6		6.3	40	40	35121	66641	3	1	1-2-3-9	9	6KH8		6.3	80	80	65312	41661	3	2	2-3-6-7	6
6JH5		6.3	35	10	25316	64661	1	4	2-3-4-7	7	"		6.3	30	30	15321	41111	2	3	2-3-6-7	6
6JH6		6.3	30	87	51214	31111	3	2	1-2-5-6	5	6KL8		6.3	50	80	41121	11151	2	2	1-8-9	1
6JH8		6.3	25	25	11421	51441	4	3	3-6-8-9	8-9	6KM6		6.3	30	30	65121	63164	3	1	2-3-7-C	C
6JK5		6.3	52	10	25316	64661	1	4	2-3-4-7	7	6KM8		6.3	40	35	11421	16661	1	3	3-6	3
6JK6		6.3	18	85	51214	31111	2	2	1-2-5-6	5	"		6.3	50	35	56321	66614	2	1	1-3-9-C	C
6JK8		6.3	55	59	45112	66611	3	2	1-2-3	1	6KL8		6.3	0	45	45121	11131	2	4	1-2	1
6JL6		6.3	53	100	66612	45111	1	3	6-7-8	6	6KJ8		6.3	50	50	15421	11131	3	2	2-3-9	3
6JM6		6.3	18	85	51214	31111	2	2	1-2-5-6	5	"		6.3	50	50	11121	51431	3	2	6-8-9	7
6JM6		(3)	35	85	11121	36514	2	1	5-6-8-C	C	6KL8		6.3	28	50	15121	34661	2	3	2-3-6-7	8
6JN6		6.3	90	72	16521	11364	2	1	3-7-8-C	C	6KM6		6.3	40	50	11121	11461	1	3	8	1
6JN8		6.3	44	80	66621	43151	3	2	6-7-8-9	9	6KJ8		6.3	40	50	65121	63164	3	1	2-3-7-C	C
6JQ6		6.3	23	80	54121	66661	2	2	1-2-3	1	6KJ8		6.3	40	35	11421	16661	1	3	3-6	3
6JR6		6.3	13	54	46321	65611	2	2	1-3-7-9	9	"		6.3	60	60	41621	15311	3	3	1-6-7-8	1
6JR6		6.3	65	70	35121	66641	1	2	1-2-3-9	9	"		6.3	60	60	14621	15311	3	3	2-5-8	2
6JR6		6.3	65	70	35121	66641	1	2	1-2-3-9	9	"		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	6LN8	6.3	50	70	65312	41661	4	2	2-3-6-7	6
6KR8		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
6KS6		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
6KT6		6.3	70	75	15421	66661	2	2	1-2-3	3	6LR6	6.3	35	35	66621	15341	3	2	6-7-8-9	9
6KT8		6.3	24	85	15213	14111	2	4	1-2-5-7	7	6LR6	6.3	50	30	66112	13654	1	2	6-7-8-9-C	C
6KU8		6.3	50	45	15621	14311	3	2	1-2-7-8	7	6LR8	Cap goes to top of tube.								
6KV6		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
6KV8		6.3	40	40	15421	11111	2	3	1-2-3	3	6LT8	6.3	72	45	11121	11451	1	3	1-8-9	8
6KX8		6.3	30	30	11121	15341	2	3	6-7-8-9	9	6LT8	6.3	70	75	13421	11151	3	2	1-2-3-9	3
6KY6		6.3	40	40	16512	66661	1	5	1-3	3	6LT8	6.3	70	97	63421	61651	2	6	6-7-8	6-8
6KY8		6.3	40	40	15612	66661	1	5	1-2	2-3	6LU6	6.3	83	68	51214	31111	2	2	1-2-5-6	5
6KV6		6.3	80	75	66612	15341	3	2	6-7-8-9	9	6LU8	6.3	90	90	21141	56311	2	1	4-6-8-9	4
6KV8		6.3	65	65	35121	66141	2	1	1-2-3-9	9	6LV6	6.3	70	70	51112	41111	2	2	1-2-6	6
6KX8		6.3	30	30	15412	66661	3	3	1-2-3	3	6LV6	6.3	10	70	11213	15164	1	2	4-5-7-C	C
6KY6		6.3	50	55	66612	15341	3	2	6-7-8-9	9	6LX6	6.3	23	19	66112	13654	1	2	6-7-9-C	C
6KY8		6.3	55	70	51421	11111	3	3	1-2-3	3	6LW6	Cap goes to top of tube.								
6KY6		6.3	55	70	11121	14151	3	3	7-8-9	7	6LX8	6.3	60	50	61365	62114	2	1	2-3-5-C	C
6KY8		6.3	52	40	15621	64361	2	2	1-2-7-8	7	6LX8	6.3	70	70	41121	11151	3	2	1-8-9	1
6KZ8		6.3	45	75	15121	45111	3	3	2-3-6-7	6	6LY8	6.3	37	37	15321	41111	2	3	2-3-6-7	6
6L6		6.3	85	90	11121	11451	3	2	1-8-9	8	6LZ6	6.3	67	20	15412	66661	3	3	1-2-3	3
6L31		6.3	25	94	46612	66151	2	2	1-8-9	1	6M3	6.3	67	49	66612	15341	2	2	6-7-8-9	9
6LB6	(2)	6.3	34	50	65112	43661	2	3	2-3-6-9	6	6M1	6.3	65	50	35121	66664	1	2	1-2-3-C	C
6LB8		6.3	55	95	61435	62111	4	1	3-4-5-8	3	"	6.3	0	65	62416	16111	2	1	3-C	3
6LC6		6.3	70	34	51124	36111	3	2	1-2-5-6	5	6MA6	6.3	70	50	21115	41111	3	2	4-5-6	6
6LC8		6.3	83	60	11213	65164	1	2	4-5-7-C	C	6MA6	6.3	70	50	21111	14511	3	2	7-8-9	7
6LD6		6.3	40	55	66621	15341	2	2	6-7-8-9	9	6MB6	6.3	95	98	66266	51114	3	3	1-2-6-7	2
6LE8		6.3	30	30	15421	66661	4	2	1-2-3	3	6MB6	6.3	83	76	51321	11664	1	2	6-7-C	C
6LF6		6.3	55	90	32665	11114	4	3	1-5-6-C	C	6MB8	6.3	42	42	66621	43151	2	3	1-3-7-C	C
6LF8		6.3	80	70	45121	11111	3	2	1-2-3	1	6MC6	6.3	25	30	54121	66661	2	3	6-7-8-9	6
6LG6		6.3	30	30	11121	51341	3	3	6-7-8-9	9	6MC6	6.3	18	100	35121	66664	1	1	1-2-3-C	C
6LH6		6.3	66	35	15621	34661	2	2	1-2-6-7	7	6MD8	Cap goes to top of tube.								
6LJ6	(2)	6.3	20	29	41121	66351	2	3	1-3-8-9	1	"	6.3	40	40	66421	51661	3	2	3-6-7	3
6LJ8		6.3	40	29	66121	41351	2	3	3-6-8-9	6	6ME5	6.3	40	40	64621	61561	3	2	2-7-8	2
6LH6		6.3	10	70	11213	15164	1	2	4-5-7-C	C	"	6.3	40	40	46621	61651	3	2	1-7-9	1
6LJ6		6.3	30	35	15412	66661	3	3	1-2-3	3	6ME5	6.3	20	90	52124	11111	4	4	5	5
6LJ8		6.3	50	55	66612	15341	3	2	6-7-8-9	9	"	6.3	20	70	54124	11111	4	4	5	5
6LM8	(6)	6.3	7	70	15132	11164	2	1	2-3-4-C	C	6ME6	6.3	15	100	54124	11111	4	3	2-5-7	2
		6.3	55	90	32665	11114	4	3	1-5-6-C	C	6ME8	6.3	17	65	35121	66664	1	2	1-2-3-C	C
		6.3	40	42	62665	11114	4	4	6-C	C		6.3	42	15	33421	51441	3	3	*	8-9
		6.3	40	85	54112	66661	2	2	1-2-3	2		6.3	42	15	33421	51441	3	3		
		6.3	50	85	66112	43651	3	2	3-6-7-9	6										
		6.3	40	50	46612	66151	3	2	1-8-9	1										
		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
MF8	(0)	6.3	95	26	21141	2	2	4-6-8-9	4	6RA9	6.3	93	55	15121	1	2	1-2-9	9	
"	(4)	6.3	50	68	51112	3	2	1-2-6	6	6RB11	6.3	95	90	31521	1	2	1-3-7-9	9	
MG8		6.3	30	30	15321	3	3	2-3-6-7	6	6RHH2	6.3	50	70	11121	2	2	6-7-8	6	
"		6.3	60	60	41121	4	3	1-8-9	1	"	6.3	50	70	45121	2	2	1-2-3	1	
MH1		6.3	7	40	61126	2	3	2-6-7	7	6RHH8	6.3	35	35	66612	2	2	6-7-8	6	
MH6	(2)	6.3	10	70	11213	1	2	4-5-7-C	C	"	6.3	35	35	45112	2	2	1-2-3	1	
MH3		6.3	45	60	64215	3	2	2-5-7	2	6RK19	6.3	0	70	66621	2	1	9-C	9	
"		6.3	45	60	46216	3	2	1-6-7	1	6RP15	6.3	45	75	56121	2	2	1-3-7-9	7	
MJ6		6.3	90	50	65121	2	1	2-3-7-C	C	6RP22	6.3	50	95	15321	3	2	1-2-3-6	6	
MJ8	(0)	6.3	66	100	26161	1	2	3-6-8	6	6S4	6.3	7	50	61512	2	3	2-3-9	9	
"	(4)	6.3	66	100	56112	1	2	1-7-8	8	6SA7	6.3	15	70	11435	4	3	3-4-5-6	3	
MK8	(3)	6.3	66	100	51124	1	2	1-5-6	5	6SC7	6.3	20	28	14566	3	4	2-3-6	2	
"		6.3	70	70	13412	3	3	1-2-3-7	3	"	6.3	20	28	16654	3	4	4-5-6	5	
ML4		6.3	70	70	13612	3	3	1-2-7-8	8	6SF5	6.3	68	50	11514	2	3	2-3-5	5	
ML8		6.3	35	77	45211	1	2	1-2-5	1	6SG7	6.3	25	25	12156	3	3	3-4-6-8	8	
"		6.3	70	72	46621	2	2	1-7-9	1	6SH7	6.3	50	97	11156	3	2	3-4-6-8	8	
"		6.3	70	72	64621	2	2	2-7-8	2	6SJ7	6.3	55	55	61151	2	3	4-5-8	8	
MN8	(0)	6.3	70	72	66421	2	2	3-6-7	3	6SK7	6.3	15	13	61151	3	3	4-5-6-8	8	
"	(5)	6.3	40	90	26166	2	2	3-6-8	6	6SL7	6.3	20	15	54111	3	4	1-2-3	2	
"	(6)	6.3	40	90	66526	2	2	3-7-8	7	"	6.3	20	15	11154	3	4	4-5-6	5	
MP17		6.3	40	90	66651	2	2	4-8-9	8	6SN7	6.3	79	80	54111	2	2	1-2-3	2	
"		6.3	95	20	51214	2	2	1-2-5-6	5	6SQ7	6.3	79	80	11154	2	2	4-5-6	5	
MP20		6.3	61	61	51124	2	2	1-2-5-6	5	"	6.3	22	30	65166	1	5	2-3-6	6	
MQ8		6.3	75	60	41121	2	2	1-8-9	1	"	6.3	22	15	65166	4	6	4	4	
"		6.3	70	90	15321	2	2	2-3-6-7	6	6T1	6.3	77	77	45211	1	2	1-2-5	1	
MJ8		6.3	69	70	15312	2	2	2-3-6-7	6	6T8	6.3	50	50	56612	3	5	1-7	1	
"		6.3	60	70	41112	2	2	1-8-9	1	"	6.3	50	50	66612	3	3	7-8-9	9	
MV8		6.3	70	85	15421	2	2	1-2-3	3	"	6.3	50	50	61541	3	4	2-3	2	
"		6.3	46	100	66621	2	2	6-7-8-9	9	"	6.3	50	50	66661	3	4	6-7	6	
MX8		6.3	45	65	15121	3	3	2-3-6-7	6	6T9	6.3	50	50	56612	3	5	2-4-5	2	
"		6.3	68	90	11121	3	2	1-8-9	8	"	(0)	30	50	24151	3	3	3-4-5-6	6	
MY8	(0)	6.3	85	86	21141	2	1	4-6-8-9	4	6T10	6.3	50	65	61513	3	2	2-3-6-7	7	
"		6.3	0	30	66121	4	1	3-9	9	6U8	6.3	44	73	65312	2	3	1-2-3-4	4	
N3		6.3	20	65	11456	2	3	3-4-8	3	6U9	6.3	55	90	46612	2	2	1-8-9	6	
N7		6.3	20	65	11665	2	3	5-6-7-8	6	"	6.3	50	50	16112	1	3	1-9-C	9	
PL12		6.3	70	85	56621	3	2	1-8-9	9	"	6.3	50	50	66151	2	2	2-3-7-8	7	
Q4		6.3	35	55	61521	2	2	2-3-6-7	6	6U10	6.3	65	60	54121	3	2	1-2-9	2	
Q7		6.3	50	40	66121	3	2	3-7-9	3	"	6.3	65	60	52114	3	2	1-5-6	5	
"		6.3	44	45	61466	2	3	3-8-C	3	6V3	6.3	0	75	13121	4	1	5-6-7	2	
Q11	(5)	6.3	7	0	11466	4	6	4-5	4-5	6V4	6.3	0	85	46121	2	1	2-C	1	
"	(0)	6.3	60	60	54111	3	2	1-2-9	2	6V6	6.3	40	40	66121	2	1	3-7	1	
"	(3)	6.3	50	50	21114	3	3	5-6-7	5	"	6.3	0	85	66121	2	1	3-4-5-8	3	
IR3		6.3	0	35	51124	3	3	1-5-6	9	"	6.3	0	85	66121	2	1	3-4-5-8	3	
IR4		6.3	50	55	66621	3	2	9-C	8	"	6.3	0	85	66121	2	1	3-4-5-8	3	
IRA6		6.3	70	80	51121	1	2	1-3-8	8	"	6.3	40	40	66121	4	2	3-4-5-8	3	

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TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6V9	6.3	65	65	65	11532	1	4	1-3-4-7	7	7KY6		7.5	70	25	15621	2	2	1-2-7-8	7
6W4	6.3	55	55	55	11112	1	3	8-9-C	C	7KZ6		7.5	70	25	15621	2	2	1-2-7-8	7
6W6	6.3	0	40	40	66114	3	1	3-5	5	7MP18		7.5	30	35	51214	3	2	1-2-5-6	5
6X4	6.3	35	40	40	12435	2	2	3-4-5-8	3	7N7		6.3	30	30	16665	2	3	5-6-7	6
6X5	6.3	0	90	90	41121	2	1	1-7	1	7SC7		6.3	30	30	11456	2	3	2-3-4	3
6X8	6.3	0	90	90	61121	2	1	6-7	6			7.5	20	28	14566	3	4	2-3-6	2
	6.3	0	25	25	61614	1	2	5-8	5			7.5	20	28	16654	3	4	4-5-6	5
	6.3	0	27	27	61416	1	2	3-8	3	8AC9	(0)	7.5	70	95	25111	3	3	2-3	2
	6.3	20	30	30	16621	3	3	6-7-8-9	9	"	(0)	7.5	70	95	26511	3	3	3-4	3
	6.3	20	90	90	15421	2	2	2-3	3	"	(7)	7.5	60	80	11534	3	2	2-3-4-5	5
6X9	6.3	87	40	40	16112	1	3	1-9-C	9	8AC10	(5)	7.5	90	12	54121	1	3	1-2-9	2
6Y6	6.3	18	10	10	61512	2	3	2-3-7-8	7	"	(3)	7.5	90	12	52114	1	3	1-5-6	5
6Y9	6.3	90	90	90	61435	2	1	3-4-5-8	3	8AL9	(0)	7.5	90	12	21114	1	3	5-6-7	5
6Z4	6.3	85	80	80	51342	1	3	1-2-3-4	4	"	(2)	7.5	12	40	11211	2	3	7-8-9	9
6Z10	6.3	60	60	60	11112	1	3	7-8-9-C	C	8AR11	(5)	7.5	7	33	13511	2	3	1-3-7	7
	6.3	0	90	90	41121	2	1	1-7	1	"	(7)	7.5	34	34	14351	2	3	1-2-3-4-5	5
	6.3	0	90	90	61121	2	1	6-7	6	"	(0)	7.5	30	30	24315	2	3	2-3-4-5-6	6
	6.3	55	55	55	14151	3	2	2-4-8-9	2	8AU8	(0)	7.5	80	80	15412	2	2	1-2-3	3
	6.3	50	85	85	21141	2	4	4-6-7-8	4	"	(0)	7.5	80	80	66612	2	2	6-7-8-9	9
7A6	7.5	0	60	60	16611	1	3	6-7	6	8AV11	(0)	7.5	50	95	21114	2	2	5-6-7	5
	7.5	0	60	60	11411	1	3	2-3	3	"	(5)	7.5	50	95	11521	2	2	3-7-8	7
7A8	7.5	7	55	55	24453	4	3	2-3-4-7	2	"	(5)	7.5	50	95	54121	2	2	1-2-9	1
7AG7	7.5	7	50	50	14311	4	3	2-3-6-7	2	8AW8	7.5	50	50	50	66621	3	2	6-7-8-9	9
7AN7	7.5	75	70	70	15421	2	2	*	3-9	"	7.5	72	72	72	15421	3	2	1-2-3	3
7AU7	7.5	95	100	100	45121	1	2	1-2-3	1	8B8	7.5	30	70	70	51121	3	3	1-8-9	9
7B7	7.5	90	100	100	11121	1	2	6-7-8	6	8B10	7.5	55	55	55	11521	2	2	2-3-6-7	6
7C5	7.5	60	23	23	14311	2	3	2-3-6-7	2	"	(0)	7.5	86	48	21541	2	2	2-3-4	4
7C6	7.5	30	50	50	14366	4	2	2-3-6-7	2	"	(0)	7.5	86	48	21115	2	2	5-6-7	6
	7.5	7	22	22	16665	4	6	5-6-7	5-6	"	(6)	7.5	70	85	61511	2	3	2-3	3
	7.5	15	78	78	14566	3	4	2-3-7	2	8BA8	7.5	70	70	85	51611	2	3	1-2-3	1
7C7	7.5	13	25	25	23416	2	4	2-3-6-7	2	"	(0)	7.5	75	75	15412	2	2	1-2-3	3
7CL8	6.3	30	35	35	54121	3	2	1-2-3	2	8BA11	7.5	33	33	33	66612	2	2	6-7-8-9	9
7D11	6.3	70	90	90	11121	3	2	6-7-8-9	6	"	(0)	7.5	33	33	24351	3	4	2-3-4-8	2
7DZ7	6.3	15	98	98	11435	2	1	3-4-5-8	3	"	(0)	7.5	33	33	26356	3	4	3-4-6-8	6
7F7	6.3	7	70	70	66654	4	2	4-5-6	5	"	(5)	7.5	57	57	51411	3	2	1-2-3	3
7GS7	6.3	60	40	40	11456	4	2	1-2-3	2	8BH8	7.5	40	40	40	15412	3	2	1-2-3	3
7GV7	7.5	65	80	80	66112	3	2	3-6-7-9	6	8BM11	7.5	30	30	30	66612	2	3	6-7-8-9	9
7HG8	7.5	30	30	30	46121	3	2	1-8-9	1	"	(0)	7.5	60	95	65121	2	3	2-3-5-6	6
	7.5	70	75	75	63421	3	3	2-3-7-8	3	8BN11	7.5	50	72	72	41315	2	3	1-3-4-5	5
	7.5	93	80	80	15612	1	2	1-6-7	7	"	(7)	7.5	40	30	21534	2	2	2-3-4-5	5
	7.5	20	90	90	16612	3	3	2-3-4	3	8BQ5	7.5	80	80	90	15113	2	2	2-3-4-6	6
	7.5	60	60	60	26665	3	5	5-6-7	5-6	8BQ11	7.5	60	60	95	64631	4	1	2-3-7-9	7
	7.5	60	60	60	26665	3	5	5-6-7	5-6	8BU11	7.5	40	30	30	24315	2	3	2-3-5-6	6
	7.5	60	60	60	26665	3	5	5-6-7	5-6	"	(6)	7.5	47	50	43511	2	3	1-2-3-4	4
	7.5	60	60	60	26665	3	5	5-6-7	5-6	"	(0)	7.5	41	46	21451	3	2	2-3-4	4
	7.5	60	60	60	26665	3	5	5-6-7	5-6	"	(0)	7.5	41	46	21111	3	2	5-6-7	7
	7.5	60	60	60	26665	3	5	5-6-7	5-6	"	(6)	7.5	78	77	53411	3	2	3-4-2	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	3	2	4-5-8	4	8JV8	7.5	60	80	15412	3	2	1-2-3	3	
8CG7	(8)	9.0	70	85	11435	3	2	3-4-5-6	3	"	7.5	65	65	66612	3	2	6-7-8-9	9	
8CM7		7.5	67	67	11112	2	3	6-7-8	6	8K11	(5)	25	25	54121	2	3	1-2-9	2	
8CN7		7.5	67	67	45112	2	3	1-2-3	1	"	(2)	41	41	11211	3	3	7-8-9	7	
8CS7		7.5	30	30	66112	2	3	3-6-7	6	8KA8	(3)	40	40	51124	3	3	1-5-6	5	
8CS8		7.5	15	5	46612	2	3	1-8-9	1	"		16	92	66112	2	3	3-6-8-9	9	
8CW5		7.5	20	87	66612	1	4	6-7-8	8	8KR8	7.5	25	40	45112	2	3	1-2-3	1	
8CX8		7.5	10	35	55112	4	6	1-2-3	1-2	"	7.5	65	65	66621	3	2	6-7-8-9	9	
8CY7		7.5	90	20	46512	2	2	1-3-9	1	8LC8	9.0	80	70	45121	3	2	1-2-3	3	
8D5		6.3	45	60	66612	2	2	6-7-8	6	"	9.0	30	30	11121	3	3	1-2-3	1	
8D6		6.3	7	88	15612	2	2	6-7-8	6	8LES	7.5	20	29	41121	2	3	6-7-8-9	9	
8D8		7.5	40	45	36121	2	2	1-3-9	1	"	7.5	40	29	66121	3	3	1-3-8-9	1	
8DX8		7.5	10	70	65112	2	2	2-3-7-9	7	"	7.5	56	79	15121	2	2	3-6-8-9	6	
8EB8		7.5	85	85	15412	2	2	1-2-3	3	8LSS	7.5	70	75	13421	3	2	1-2-3-7-8	7	
8EM5		7.5	35	40	66612	2	2	6-7-8-9	9	8LT8	7.5	70	97	63421	2	6	1-2-3-9	3	
8ET7		9.0	25	25	31521	3	2	1-3-7-9	3	"	7.5	70	70	41121	2	3	7-8-8	6-8	
8FE5		7.5	50	50	16512	1	6	1-3	1	8LX8	7.5	37	37	15321	3	2	1-8-9	1	
8FQ7		7.5	70	67	11121	3	3	6-7-8	8	8MD8	7.5	40	40	66421	2	3	2-3-6-7	6	
8FY7	(0)	7.5	20	100	21514	1	3	1-2-3	6	"	7.5	30	35	64621	3	2	3-6-7	3	
8GJ7	(6)	7.5	40	57	61541	1	6	1-2	2	8MU8	9.0	69	70	15312	3	2	2-7-8	2	
8GN8		7.5	22	22	15612	3	2	6-7-8-9	9	"	9.0	60	70	41112	2	2	1-7-9	1	
8GU7		7.5	55	25	66612	2	4	3-4-5-8	3	8MV8	6.3	70	85	15421	2	2	2-3-6-7	1	
8GX7		7.5	75	50	66612	3	2	6-7-8	6	"	6.3	46	100	66621	2	2	1-2-3	3	
8JE8		7.5	45	40	16612	3	3	1-2-3	2	8U9	7.5	50	50	16112	1	3	1-9-C	9	
8JK8		7.5	60	30	66612	3	3	6-7-8-9	9	8X9	7.5	35	40	61512	1	4	2-3-7-8	7	
8JU8		7.5	10	30	65121	2	6	1-2-7-8	1-7	9A8	9.0	30	70	14311	2	3	1-9-C	9	
		7.5	12	30	51121	2	6	1-2-7-8	1-7	9AH9	9.0	40	85	41121	2	3	2-3-7-8	7	
										"	(0)	40	50	25411	3	2	2-3-4	4	
										9AK10	9.0	70	50	13114	2	2	1-2-5-6	6	
										"	(7)	65	75	21114	2	2	5-6-7	7	
										9AM10	9.0	65	74	11152	2	2	4-8-9	9	
										"	(8)	66	75	11154	2	2	4-5-C	5	
										"	(6)	65	75	21114	2	2	5-6-7	7	
										"	(8)	65	75	11152	2	2	4-8-9	9	
										9AQ8	9.0	7	97	45121	3	2	* 1-2-3-6-7-8	1-6	
										9AU7	9.0	95	100	45121	1	2	9.0	1	
										9BJ11	9.0	45	20	24311	2	3	9.0	6	
										9BR7	9.0	90	90	66612	3	3	9.0	2	
										"	(7)	75	75	45112	3	2	9.0	1	
										"	(7)	75	75	66612	3	2	9.0	6-7	
										"	(7)	75	75	45112	3	2	9.0	1	

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TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MÉRIT
9CL8	9.0	30	35		54121	3	2	1-2-3	2
9DK3	9.0	70	90		11121	3	6	6-7-8-9	6
9EA8	9.0	0	55		14621	2	1	2-C	2
9ED4	9.0	75	65		46612	2	2	1-8-9	1
9GH8	9.0	60	80		65312	3	2	2-3-6-7	6
9GV7	9.0	60	15		16621	4	5	1-8-C	C
9GV8	9.0	20	40		65312	2	3	2-3-6-7	6
9JW8	9.0	10	12		46612	2	1	1-8-9	1
9KC6	9.0	30	30		46121	3	2	1-8-9	1
9KG6	9.0	70	75		63421	3	3	2-3-7-8	3
9KX6	9.0	65	60		45121	3	1	1-2-3	1
9KZ8	9.0	50	45		11121	2	2	6-7-8-9	6
9LA6	9.0	30	20		41121	3	2	1-8-9	1
9MD8	9.0	30	40		15321	3	3	2-3-6-7	6
	9.0	55	55		15121	3	2	1-2-7-9	7
9MH3	9.0	50	50		56321	2	1	1-3-9-C	C
9ML8	9.0	45	50		15112	2	2	1-2-7-8	7
	9.0	25	94		46612	2	2	1-8-9	1
9MN8	9.0	34	50		65112	2	3	2-3-6-7	6
	9.0	40	60		15112	2	2	1-2-7-8	7
9ML8	9.0	40	40		66421	3	2	3-6-7	3
	9.0	40	40		64621	3	2	2-7-8	2
9MH3	9.0	40	40		46621	3	2	1-7-9	1
9ML8	9.0	12	100		46216	2	2	1-6-7	1
	9.0	12	100		64215	2	2	2-5-7	1
9MN8	9.0	70	72		46621	2	2	1-7-9	1
	9.0	70	72		64621	2	2	2-7-8	1
	9.0	70	72		66421	2	2	3-6-7	2
	9.0	40	90		26166	2	2	3-6-8	6
	9.0	40	90		66526	2	2	3-7-8	7
9MP12	9.0	40	90		66651	2	2	4-8-9	8
	9.0	75	78		51214	2	2	1-2-5-6	5
9RA6	9.0	70	80		15621	1	2	1-2-9	9
9RAL1	9.0	30	45		46521	2	2	1-3-9	1
9U8	9.0	50	70		11121	3	2	6-7-8	6
9V9	9.0	44	73		65312	2	3	2-3-6-7	6
9X8	9.0	55	90		46612	2	2	1-8-9	1
10AF11	9.0	65	65		11532	1	4	1-3-4-7	7
"	9.0	55	55		11112	1	3	8-9-C	C
10AL11	9.0	20	30		16621	3	3	6-7-8-9	9
"	9.0	20	90		15421	2	2	2-3	3
"	9.0	65	50		13521	2	2	1-2-3-7	7
"	9.0	94	100		21111	1	2	5-6-8	8
10AL11	9.0	88	40		21541	1	3	3-4-7	4
"	9.0	84	28		51342	3	2	1-2-3-4	4
10BQ5	9.0	8	75		21511	2	4	2-3-4-6-7	6
	9.0	60	95		65121	4	1	2-3-7-9	7
10C8	9.0	9.0	7	95	66612	2	3	6-7-8-9	6
"	9.0	9.0	7	90	45112	2	3	1-2-3	1
10CW5	9.0	25	35	70	65121	2	2	2-3-7-9	2
10DE7	9.0	70	70	40	11121	3	2	6-7-8	6
"	9.0	40	40	28	45621	3	1	1-2-9	1
10DR7	9.0	28	28	28	11121	4	3	6-7-8	6
"	9.0	28	28	28	45621	1	2	1-2-9	1
10DX8	9.0	30	55	30	11111	2	3	1-2-3	2
"	9.0	30	20	30	11121	2	3	6-7-8-9	6
10EB8	9.0	14	62	62	66612	3	2	6-7-8-9	6
"	9.0	11	55	55	15412	2	4	1-2-3	3
10EG7	9.0	60	70	70	54111	2	1	1-2-3	2
"	9.0	60	70	70	11154	3	2	4-5-6	5
10EM7	9.0	55	55	55	11154	2	3	4-5-6	5
"	9.0	55	55	55	54111	2	1	1-2-3	2
10EW7	9.0	90	42	90	11121	1	3	6-7-8	6
"	9.0	84	90	90	45111	1	1	1-2-9	1
10GK6	9.0	25	45	45	15112	3	2	1-2-7-8	7
10GN8	9.0	55	25	25	15412	1	4	1-2-3	3
"	9.0	75	50	50	66612	1	2	6-7-8-9	6
10GV8	9.0	60	75	75	45121	2	2	1-2-3	2
"	9.0	35	60	60	11121	3	2	6-7-8-9	6
10HF8	9.0	90	60	60	15412	3	2	1-2-3	2
"	9.0	70	70	70	66612	2	2	6-7-8-9	6
10JA5	9.0	85	85	85	25316	1	2	2-3-4-6	6
10JA8	9.0	70	70	70	15412	3	2	1-2-3	2
"	9.0	50	60	60	66612	2	3	6-7-8-9	6
10JT8	9.0	42	50	50	15412	3	3	1-2-3	3
"	9.0	47	30	30	66612	3	2	6-7-8-9	6
10JY8	9.0	40	45	45	15412	3	2	1-2-3	2
"	9.0	60	60	60	66612	3	2	6-7-8-9	6
10KR8	9.0	25	40	40	66621	3	2	6-7-8-9	6
"	9.0	70	75	75	15421	2	2	1-2-3	2
10L14	25	90	100	100	66621	1	2	6-7-8	6
"	25	90	100	100	45121	1	2	1-2-3	1
10LB8	9.0	40	55	55	66621	2	2	6-7-8-9	6
"	9.0	30	30	30	15421	4	2	1-2-3	2
10LD6	9.0	66	35	35	15621	2	2	1-2-6-7	7
"	Good tube	reads	above	50.					
10LE8	9.0	20	29	29	41121	2	3	1-3-8-9	6
"	9.0	40	29	29	66121	2	3	3-6-8-9	6
10LM8	9.0	40	50	50	46612	3	2	1-8-9	1
"	9.0	65	65	65	65312	3	2	2-3-6-7	6
10LW8	9.0	85	96	96	15412	2	3	1-2-3	2
"	9.0	65	70	70	66612	2	3	6-7-8-9	6
10LY8	9.0	60	20	20	15412	3	2	1-2-3	2
"	9.0	37	49	49	66612	2	2	6-7-8-9	6

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
10LZ8	9.0	9.0	60	70	15412	1	3	1-2-3	3	11Y9	9.0	85	80	51342	1	3	1-2-3-4	4	
10P18	9.0	9.0	20	89	66612	2	2	6-7-8-9	9	"	9.0	60	60	11112	1	3	7-8-9-C	C	
10T10	50	50	80	85	65121	3	1	2-3-7-9	7	12AB5	12.6	20	35	36512	2	3	1-3-7-9	9	
10Z10	(0)	(0)	35	70	21511	3	3	2-3-6-7	7	12AC6	12.6	62	38	51124	1	4	1-5-6-7	5	
11AF9	(6)	(6)	30	60	51341	3	2	1-2-3-4	4	12AC10	(5)	90	12	54121	1	3	1-2-9	2	
11AR11	(6)	(6)	95	20	14151	2	2	2-4-8-9	4	"	(3)	90	12	52114	1	3	1-5-6	5	
11BM8	(0)	(0)	60	70	21141	2	4	4-6-7-8	4	12AD6	(0)	90	12	21114	1	3	5-6-7	5	
11BQ11	(0)	(0)	75	75	51342	2	2	1-2-3-4	4	12AE6	12.6	7	85	51214	1	4	1-2-5-6-7	5-6	
11BT11	(0)	(0)	75	75	11112	2	2	7-8-9-C	C	"	12.6	45	90	11215	2	6	5-6	5	
11C5	(7)	(7)	34	34	14351	2	3	2-3-4-5	2	12AE10	12.6	7	45	51216	1	4	1-2-7	7	
11CA11	(0)	(0)	30	30	24315	2	3	2-3-5-6	2	12AF3	(0)	55	70	21511	3	3	2-3-6-7	7	
11CF11	(0)	(0)	82	77	51121	1	3	1-8-9	9	12AF6	(8)	20	25	11513	3	2	3-4-5-6	6	
"	(6)	(6)	68	20	11521	2	2	2-3-6-7	6	12AF11	12.6	7	80	66621	1	1	9-C	9	
"	(6)	(6)	40	30	24315	2	3	2-3-5-6	2	"	(5)	65	50	51214	1	4	1-5-6-7	5	
"	(0)	(0)	40	30	43511	2	3	1-2-3-4	1	12AJ6	(0)	88	40	11111	1	2	1-2-3-7	7	
"	(0)	(0)	70	72	21511	3	2	3-4-9	9	12AJ7	12.6	40	80	11215	1	3	5-6	5-6	
"	(7)	(7)	70	72	21115	3	2	5-6-7	7	"	12.6	40	90	51111	2	6	1-2-7	7	
"	(0)	(0)	70	72	11135	2	2	2-4-5-9	9	12AL5	12.6	40	80	64111	1	4	2-3-6	6	
"	(0)	(0)	23	90	15216	3	1	1-2-6-7	7	12AL8	12.6	55	70	46661	3	3	8-9	8	
"	(0)	(0)	11	50	21141	2	3	4-5-6	4	"	12.6	55	60	11121	3	2	2-3-9	2	
"	(8)	(8)	60	54	11513	2	2	3-4-5-6	6	12AL11	12.6	0	98	16211	1	1	1-7	7	
"	(0)	(0)	70	40	21435	2	2	3-4-5-6	6	"	12.6	0	98	14211	1	1	2-5	2	
"	(5)	(5)	82	40	11511	2	3	3-7-C	3	12AQ5	12.6	10	10	46612	1	4	1-8-9	1	
"	(6)	(6)	97	40	15412	1	3	1-2-3	3	12AT6	12.6	27	65	63512	1	4	2-3-6-7	6	
11CH11	(0)	(0)	65	70	21511	2	2	3-4-9	9	12AT7	12.6	70	34	51124	3	2	3-4-5-6	5	
"	(0)	(0)	75	80	21115	2	2	5-6-7	7	"	12.6	67	36	11215	2	6	5-6	5-6	
11CY7	(7)	(7)	65	62	11135	2	2	2-4-5-9	9	12AU6	12.6	70	89	51112	3	2	1-2-7	7	
11DS5	12.6	12.6	20	40	66612	2	4	6-7-8	6	12AU7	12.6	95	100	45121	1	2	6-7-8	6	
11FY7	9.0	9.0	35	40	46512	2	1	1-3-9	1	"	12.6	95	100	11121	1	2	1-2-3	1	
11HM7	(0)	(0)	70	75	21514	2	3	1-2-5-6	5	12AU8	12.6	80	80	15412	2	2	1-2-3	2	
11JE8	(6)	(6)	42	55	61541	3	3	3-5-7	3	12AV5	12.6	80	80	66612	2	2	6-7-8-9	3	
11KV8	12.6	12.6	11	11	15121	3	2	2-3-4	4	12AV6	12.6	10	80	51114	4	1	1-3-5-8	9	
11LQ8	9.0	9.0	20	20	15412	3	3	1-2-7-8	7	12AV7	12.6	25	85	51216	3	3	1-2-7	5	
11LT8	9.0	9.0	60	60	66612	3	2	1-2-3	2	"	12.6	25	14	51216	4	3	2-5-6	7	
11LY6	9.0	9.0	75	85	15412	3	2	6-7-8-9	9	12AW6	12.6	30	60	45121	3	2	1-2-3	5-6	
11MS8	9.0	9.0	50	65	66612	2	2	1-2-3	2	12AX3	12.6	30	60	11121	3	3	6-7-8	1	
11R3	12.6	12.6	0	35	66621	3	1	6-7-8-9	9	12AX4	12.6	0	100	12111	2	1	1-2-5-6	6	
								9-C		12AX7	12.6	37	75	66661	2	3	3-5	4	
											12.6	40	76	66612	2	3	1-2-3	5	
											12.6	40	76	66612	2	3	6-7-8	1	

TUBE	KEY# FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY# FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
12F8	12.6	60	56612	3	5	1-6-7	1-6	12JT6	12.6	58	35121	1	2	1-2-3-9	9
"	12.6	42	63412	2	3	2-3-7-8	3	12K5	12.6	40	13125	2	3	1-2-5-7	7
12FK6	12.6	35	51216	2	2	1-2-7	7	12KG6A	12.6	50	56321	2	1	1-3-9-C	C
"	12.6	45	11215	4	4	5-6	5-6	12KL8	12.6	45	15121	2	3	2-3-6-7	7
12FM6	12.6	35	51216	1	3	1-2-7	7	"	12.6	0	11121	1	3	8	8
"	12.6	70	11215	2	5	5-6	5-6	12MD8	12.6	40	66421	3	2	3-6-7	3
12FQ7	12.6	31	11121	2	3	6-7-8	6	"	12.6	40	64621	3	2	2-7-8	2
"	12.6	31	45121	2	3	1-2-3	1	"	12.6	40	61561	3	2	1-7-9	2
12FQ8	12.6	70	45421	3	3	1-2-3-9	1-3	12ML8	12.6	70	46621	2	2	1-7-9	2
"	12.6	70	66621	3	3	6-7-8-9	6-8	"	12.6	70	61561	2	2	2-7-8	2
12FR8	12.6	20	61612	1	4	2-8	8	"	12.6	70	64621	2	2	3-6-7	3
"	12.6	45	51612	1	3	1-2-9	9	12MX8	12.6	45	15121	3	3	2-3-6-7	6
"	12.6	40	66512	1	2	3-6-7	7	"	12.6	68	11121	3	2	1-8-9	8
12FV7	12.6	35	45121	2	2	1-2-3	1	12R5	12.6	32	15216	2	2	1-2-6-7	7
"	12.6	35	11121	2	2	6-7-8	6	12RK19	12.6	0	66612	1	1	9-C	9
12FX5	12.6	55	15126	2	2	1-2-6-7	7	12RL13	12.6	30	45121	3	2	1-2-3	3
12FX8	12.6	35	35412	1	4	1-2-3-7	3	"	12.6	30	11121	3	2	6-7-8	3
"	12.6	15	66612	1	3	6-8	6	12SA7	12.6	7	11121	4	3	3-4-5-6	5
12GB3	12.6	80	11635	2	1	4-5-8-C	C	12SC7	12.6	20	11435	3	4	2-3-6	3
12GB7	12.6	40	12135	2	2	4-5-8-C	C	"	12.6	20	14566	3	4	4-5-6	4
12GC6	12.6	80	11135	2	1	3-4-5-C	C	12SJ7	12.6	14	61151	2	4	4-5-6-8	8
12GJ5	12.6	55	35121	2	1	1-2-3-C	C	12SK7	12.6	15	61151	3	3	4-5-6-8	8
12GN7	12.6	85	15621	3	1	1-2-7-8	7	12SL7	12.6	20	54111	3	4	1-2-3	3
12GT5	12.6	40	35121	3	1	1-2-3-9	9	"	12.6	20	11154	3	4	4-5-6	4
12GV5	12.6	93	16112	1	2	1-7-9-C	C	12SN7	12.6	20	54111	3	2	1-2-3	2
"	(4) 12.6	Cap goes to top of tube.						12SQ7	12.6	22	11154	3	3	4-5-6	3
12GW6	12.6	40	11635	3	1	4-5-8-C	C	"	12.6	22	65166	1	5	2-3-6	5
12HB25A	12.6	65	56121	2	1	1-6-9-C	C	"	12.6	22	65166	4	6	4	4
12HE7	(0) 12.6	0	24111	1	1	2-4	2	12T10	12.6	35	21511	3	3	2-3-6-7	3
"	(7) 12.6	45	61563	2	1	2-3-5-C	C	"	(6) 12.6	35	51341	3	2	1-2-3-4	2
12HG7	12.6	55	15121	2	2	1-2-7-8	7	12W6	12.6	15	61435	4	1	3-4-5-8	3
12HL5	12.6	35	56121	2	2	1-3-7-9	7	12X4	12.6	0	41121	2	1	1-7	1
12HL7	12.6	45	15112	2	2	1-2-7-8	7	"	12.6	0	61121	2	1	6-7	1
12HU8	12.6	70	35421	2	2	1-2-3-6-7	3	13CM5	12.6	65	62635	3	1	5-8-C	C
"	12.6	70	66621	2	2	6-7-8-9	8	13DE7	12.6	70	45621	1	2	1-2-9	2
12JB6	12.6	15	65121	4	1	2-3-7-C	C	"	12.6	11	11121	2	3	6-7-8	3
12JF5	(5) 12.6	80	66621	1	2	7-8-9-C	C	13DR7	12.6	28	11121	4	3	6-7-8	6
12JM6	(3) 12.6	Cap goes to top of tube.						13EM7	12.6	28	45621	1	2	1-2-9	2
"	(3) 12.6	83	11121	2	1	5-6-8-C	C	"	12.6	55	11154	2	3	4-5-6	3
12JN6	(5) 12.6	90	16521	2	1	3-7-8-C	C	13FD7	12.6	55	54111	2	2	1-2-3	2
12JN8	12.6	44	66621	3	2	6-7-8-9	6	"	12.6	60	11121	1	2	1-2-9	2
"	12.6	23	54121	2	2	1-2-3	2	13FM7	12.6	30	11615	3	3	6-7-8	3
12JQ6	12.6	15	46321	2	2	1-3-7-9	1	"	12.6	50	21514	2	1	4-5-6	2
12JS6	(4) 12.6	48	66112	1	2	6-7-8-9-C	C	13GB5A	12.6	78	65121	1	2	3-5-7	5
"	(4) 12.6	Cap goes to top of tube.												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	2	3	1-8-9	8	15KY8	12.6	60	65	15121	3	3	2-3-6-7	6	
"		12.6	15	15	65121	1	2	2-3-6	6	"	12.6	75	90	11121	3	2	1-8-9	8	
13J10	(6)	12.6	55	55	14151	3	2	2-4-8-9	2	15LE8	12.6	20	29	41121	2	3	1-3-8-9	1	
"	(0)	12.6	40	35	21141	4	4	4-6-7-8	4	"	12.6	40	29	41351	2	3	3-6-8-9	6	
13JZ8	(0)	12.6	87	92	21141	2	1	4-7-8-9	4	15MF8	(0)	95	26	21141	2	2	4-6-8-9	4	
"	(4)	12.6	67	67	51211	1	3	1-2-6	6	"	(4)	50	68	51112	3	2	1-2-6	6	
13V10	(0)	12.6	52	50	21511	3	3	2-3-6-7	7	15MX8	12.6	45	65	15121	3	3	2-3-6-7	6	
"	(8)	12.6	20	20	11513	3	2	3-4-5-6	6	"	12.6	68	90	11121	3	2	1-8-9	8	
13Z10	(6)	12.6	55	55	14151	3	2	2-4-8-9	2	16A5	19	55	55	65121	2	2	2-3-7-9	7	
"	(0)	12.6	50	85	21141	2	4	4-6-7-8	4	16A8	12.6	20	20	56621	2	4	1-8-9	9	
14BL11	(0)	12.6	62	78	21511	3	2	3-4-9	9	"	12.6	15	15	61521	3	2	2-3-6-7	6	
"	(0)	12.6	60	75	21115	3	2	5-6-7	7	16AK9		66	66	41111	1	3	2-5-6	6	
"	(7)	12.6	40	50	11145	3	2	2-4-5-9	9	"	7.5	66	66	21665	1	3	2-3-4	4	
14BR11	(0)	12.6	85	65	21111	2	2	5-6-8	6	"	7.5	66	66	21536	1	3	2-3-7	7	
"	(7)	12.6	38	18	11451	2	3	1-3-4	3	16AQ3	12.6	0	30	66621	4	1	9-C	9	
"	(3)	12.6	90	18	41125	1	3	1-5-6-7	1	16BQ11	12.6	45	35	24315	2	3	2-3-5-6	2	
14F7		12.6	60	40	11456	3	3	2-3-4	3	"	12.6	47	37	43511	2	3	1-2-3-4	1	
"		12.6	60	40	16665	3	3	5-6-7	6	16BX11	12.6	71	51	21115	3	2	4-5-6	6	
14GT8		12.6	25	35	66612	2	4	7-8-9	9	"	12.6	71	51	21111	3	2	7-8-9	7	
"		12.6	0	25	16612	1	2	1-6	6	"	12.6	70	80	14211	3	2	1-2-6-7	2	
"		12.6	0	25	64112	1	2	2-3	2	16CB28	12.6	67	67	16112	1	2	6-7-9-C	C	
14GW8		12.6	47	47	66312	3	2	3-6-7-8	6	16GK6	12.6	25	45	15112	3	2	1-2-7-8	7	
"		12.6	30	90	51612	3	3	1-2-9	9	16GY5	(2)	19	11	21163	1	9	5-6-7-C	C	
14JG8		12.6	55	55	66612	3	3	7-8-9	9	"	Cap goes to top of tube.			23516	2	1	2-3-4-7	7	
"		12.6	0	75	16612	2	1	1-6	6	16HB5	(0)	80	64	64661	2	1	1-7-8-C	C	
"	(0)	12.6	0	75	64112	2	1	2-3	2	16KA6	(4)	66	66	16112	1	2	1-2	1	
14N7		12.6	30	30	16665	2	3	5-6-7	6	16KH8	12.6	0	45	45121	2	4	2-3-9	3	
"		12.6	30	30	11456	2	3	2-3-4	3	"	12.6	50	50	15421	3	2	6-8-9	8	
15AF11	(5)	12.6	65	50	13521	2	2	1-2-3-7	7	16LD6	12.6	66	35	15621	2	2	1-2-6-7	7	
"	(0)	12.6	94	100	21111	1	2	5-6-8	8	16LJ8	(0)	85	85	21141	2	1	4-6-8-9	9	
"	(0)	12.6	88	40	21541	1	3	3-4-7	4	"	Good tube reads above 50.			51112	2	2	1-2-6	6	
15BD11	(5)	12.6	47	85	13521	2	2	1-2-3-7	7	16MY8	(0)	85	86	21141	2	1	4-6-8-9	9	
"	(0)	12.6	59	90	21541	2	2	3-4-7	4	16Y9	(4)	70	70	51112	2	2	1-2-6	6	
"	(0)	12.6	59	90	21111	2	2	5-6-8	8	"	12.6	85	86	21141	2	1	4-6-8-9	9	
15CW5		12.6	30	40	65121	2	2	2-3-7-9	7	17A8	12.6	60	60	11112	1	3	1-2-3-4	4	
15DQ8		12.6	45	50	54121	2	3	1-2-3	2	17AB10	(0)	19	39	21141	3	3	7-8-9-C	C	
15EA7		12.6	65	70	11121	3	2	6-7-8-9	6	"	12.6	13	85	41121	2	2	1-8-9	1	
"		12.6	30	60	11154	3	3	4-5-6	5	17AX3	(0)	19	73	15321	2	3	2-3-6-7	6	
15EW7		12.6	20	40	54111	3	1	1-2-3	2	17AX4	(0)	19	80	21141	2	1	4-6-7-8	8	
"		12.6	90	42	11121	1	3	6-7-8	6	17AY3	19	0	25	66621	3	1	1-5-6-C	C	
15FM7	(8)	12.6	84	90	45621	1	1	1-2-9	1	17BB14A	19	8	94	56121	1	2	4-7	4	
"	(0)	12.6	30	30	11615	3	3	4-5-6	6	17BE3	(0)	19	0	21141	2	1	1-5-6-C	C	
15FY7	(0)	12.6	50	50	21514	2	1	3-5-7	5	"	19	0	100	11111	2	1	4-7	4	
"	(0)	12.6	20	100	21514	1	1	3-5-7	5	"	19	0	25	66114	1	1	3-5	5	
15HA6	(6)	12.6	40	57	61541	1	4	2-3-4	4	"	19	8	94	66621	3	1	7-9	7	
15HB6		12.6	55	50	15121	2	2	1-2-6-7	7	"	19	8	94	56121	1	2	1-3-6-C	C	
"		12.6	50	50	15121	2	2	1-2-6-7	7	"	19	0	75	21141	2	1	4-7	4	

TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
17BFL1	(6)	19	76	14	51341	12111	2	2	4	17KV6	19	40	40	40	35121	3	1	1-2-3-4	9
"	(0)	19	7	88	21511	34111	2	4	7	17LD8	12.6	62	62	62	15121	3	3	2-3-6-7	6
17BH3	19	19	0	75	66621	64611	2	1	7	"	12.6	85	70	11121	3	2	7-9	8	
17BQ6	19	19	85	80	12635	61164	2	1	C	17RHH2	19	60	80	66612	3	2	4-5-8-C	6	
17BR3	12.6	19	0	75	66621	66641	2	1	9	"	19	60	45	45112	3	2	9-C	1	
17BS3	19	19	0	80	64121	66611	2	1	2	17RK19	(0)	0	63	66621	2	1	2-9	9	
17BW3	(7)	12.6	0	67	11141	11211	2	1	4	17X10	(3)	83	20	51123	3	3	1-4	4	
17BZ3	(0)	12.6	0	65	21146	61661	2	1	4	17Y9	12.6	80	70	51342	2	2	4-7	C	
17C5	19	19	23	90	15216	34111	3	1	7	"	12.6	80	30	11112	2	2	1-2-6-7	4	
17C8	19	19	0	30	66112	66561	2	3	8	17Z3	12.6	0	75	66621	2	1	3-8	C	
"	19	19	0	30	66112	65661	2	3	7	18AJ10	(2)	55	55	21115	1	4	3-7	9	
"	19	19	20	65	35112	46611	2	3	6	"	(6)	92	30	51342	2	2	1-2-3-6	4	
17C9	19	19	36	15	53421	11111	2	3	3	18FW6	19	45	50	51214	2	3	1-2-3-C	5	
"	19	19	36	15	11121	15341	2	3	9	18FX6	19	15	10	51214	2	4	6-7-8-9	5	
17CK3	19	19	0	65	64621	66611	2	1	2	18FY6	19	50	55	51216	2	3	2-9	7	
17CL3	19	19	0	25	66621	64611	3	1	7	"	19	60	65	11215	4	4	7-9	5	
17CT3	12.6	19	0	93	64621	66611	1	1	2	18GB5A	19	78	78	65121	1	2	2-9	C	
17CU5	19	19	23	90	15216	34111	3	1	7	18GD6	19	70	70	51124	2	3	1-2-6-7	5	
17D4	19	19	0	75	66114	11211	2	1	5	18GV8	19	61	70	45121	1	3	3-5	1	
17DE4	19	19	0	80	66114	11211	2	1	5	"	19	87	87	11121	1	2	3-5	6	
17DM4	19	19	0	75	66111	11211	2	1	5	18RAL1	19	40	30	45621	2	2	3-5	1	
17DQ6	19	19	7	70	11635	62114	4	1	C	"	19	65	85	66621	2	2	4-5-8-C	7	
17DW4	19	19	0	95	66621	64611	1	1	2	19A3	6.3	0	95	11114	1	1	2-9	6	
17EW8	19	19	60	80	66612	45111	3	2	6	19AU4	19	0	62	66114	1	2	6-7-8	4	
"	19	19	60	45	45112	66611	3	2	1	19CG3	(0)	0	90	21146	1	1	1-2-3	6	
17GJ5	19	19	55	95	35121	66164	2	1	C	"	19	30	35	54121	3	2	1-2-3-C	2	
17GT5	19	19	80	90	35121	66141	2	1	9	19CL8	19	70	90	11121	3	2	1-2-3-9	6	
17GV5	(4)	19	93	65	16112	13654	1	2	C	19DE3	(7)	0	91	11141	1	1	1-7-9-C	4	
17GW6	19	19	65	65	11635	62114	3	1	C	"	Cap goes to top of tube.	Cap goes to top of tube.	Cap goes to top of tube.	11141	2	1	4-5-8-C	2	
17HB25A	12.6	19	60	60	56121	36114	3	1	C	19DK3	(0)	0	55	14621	2	1	2-C	2	
17JB6	19	19	94	83	35121	66164	1	3	C	19DQ3	19	75	65	21146	2	1	4-7	4	
17JF6	12.6	19	55	65	35121	66664	1	2	C	19EA8	19	60	80	46612	2	2	1-8-9	1	
17JG6	19	19	40	40	35121	66641	3	1	C	"	19	75	70	65312	3	2	2-3-6-7	6	
17JK8	19	19	30	30	66612	45111	2	3	9	19EZ8	19	60	60	15421	3	2	1-2-3	3	
"	19	19	55	55	45112	66611	3	2	6	"	19	60	60	11124	2	2	5-6	5	
17JM6	(3)	19	35	85	11121	36514	2	1	1	"	19	60	60	11121	2	2	8-9	8	
"	19	19	Cap goes to top of tube.	Cap goes to top of tube.	Cap goes to top of tube.	Cap goes to top of tube.	Cap goes to top of tube.	Cap goes to top of tube.	Cap goes to top of tube.	19FL8	19	85	87	35121	2	2	1-2-3-6	6	
17JN6	(5)	12.6	90	72	16511	21364	2	1	C	"	19	0	93	66121	1	2	3-7	7	
17JQ6	12.6	19	15	55	46321	65611	2	2	1	"	19	0	100	66121	1	2	3-8	8	
17JR6	12.6	19	65	70	35121	66641	1	2	C	19FX5	19	55	60	15126	2	2	1-2-6-7	7	
17JT6	19	19	58	75	35121	66641	1	2	9	19GQ7	19	50	50	66612	1	5	8-9	8	
17JZ8	(0)	19	40	35	21141	56311	2	2	4	"	19	50	50	66612	1	5	6-7	6	
"	(4)	19	70	70	51112	41111	3	2	6	19HR6	19	20	40	51124	2	3	1-2	2	
"	19	19	0	70	51112	41111	3	2	6	19HS6	19	35	35	51124	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	2	4	1-2-3	2	21LU8	(0)	19	90	90	21141	2	1	4-6-8-9	4
"	19	70	80		66612	3	2	6-7-8-9	6	"	(4)	19	70	70	51112	2	2	1-2-6	6
19J6	19	20	20		64125	2	3	2-5-7	2	21MY8	(0)	19	85	85	21141	2	1	4-6-8-9	4
"	19	20	20		46126	2	3	1-6-7	1	"	(4)	19	70	70	51112	2	2	1-2-6	6
19JN8	19	44	80		66621	3	2	6-7-8-9	6	22BH3	(0)	19	0	80	66621	2	1	7-9	7
"	19	23	80		54121	2	2	1-2-3	2	22BW3	(0)	19	0	75	21146	2	1	4-7	4
19KF6A	19	27	80		56121	2	1	1-3-6-9	9	22DE4	(0)	19	0	80	66114	2	1	3-5	5
19KG8	19	70	80		45121	2	2	1-2-3	1	22JF6	19	72	72	65121	2	1	2-3-7-C	C	
"	19	45	50		11121	2	3	6-7-8-9	6	"	Cap goes to top of tube.								
19MR9	19	30	40		51214	2	3	1-5-6-7	5	22JG6	19	40	70	35121	3	1	1-2-3-9	9	
"	19	80	80		53421	3	2	1-2-3-10	3	22JR6	19	65	70	35121	1	2	1-2-3-9	9	
19Q9	19	70	75		11121	2	2	7-8-9	9	22JU6	19	100	98	65121	1	1	2-3-7-C	C	
19T8	19	50	50		56612	3	5	1-7	1	22KM6	19	50	65	65121	2	1	2-3-7-C	C	
"	19	50	50		66612	3	3	7-8-9	9	22KV6	19	60	65	35121	2	1	1-2-3-9	9	
"	19	50	50		65112	3	4	2-3	2	23JS6	(4)	25	48	66112	1	2	6-7-8-9-C	C	
19X8	19	50	50		56612	3	5	6-7	6	23MB6	(5)	19	83	76	51321	1	2	1-3-7-C	C
"	19	20	30		16621	3	3	6-7-8-9	9	"	Cap goes to top of tube.								
19Y3	19	0	80		66121	2	2	2-3	3	23Z9	(0)	19	60	65	24511	3	2	2-3-7	2
20AQ3	19	0	85		66612	1	1	9-C	9	"	(8)	19	60	65	61665	3	2	2-5-6	5
20D4	6.3	92	92		35121	2	2	1-2-3-6-7	6	"	(0)	19	35	35	26614	2	2	5-7-8-9	5
"	6.3	76	76		35121	1	3	8-9	8	24AX4	(0)	25	0	32	66114	3	1	3-5	5
20EW7	19	90	42		11121	1	3	6-7-8	6	24BF11	(0)	25	52	50	21511	3	3	2-3-6-7	7
"	19	84	90		45621	1	1	1-2-9	1	"	(6)	25	41	35	51341	2	2	1-2-3-4	4
20EZ7	19	40	60		21615	3	3	4-5-6	6	24JE6	(0)	25	55	55	65121	1	2	2-3-7-C	C
"	19	40	60		21611	3	3	7-8-9	7	24JZ8	(0)	25	40	35	21141	2	2	4-6-8-9	4
20LF6	(2)	10	70		11213	1	2	4-5-7-C	C	"	(4)	25	70	70	51112	3	2	1-2-6	6
21A6	19	61	93		65121	2	1	2-3-C	C	24LQ6	(0)	25	65	65	35121	1	2	1-2-3-C	C
21EX6	19	50	70		12115	3	1	3-5-8-C	C	24LZ6	25	65	50	50	35121	1	2	1-3-5-6	5
21GY5	(2)	11	0		21163	1	3	5-6-7-C	C	25AV5	25	10	80	80	51114	4	1	1-3-5-6	5
"	Cap goes to top of tube.									25AX4	25	0	100	100	66114	1	1	3-5	5
21HA6	19	67	50		15121	2	2	1-2-6-7	7	25BB14A	25	8	94	94	56121	1	2	1-3-6-C	C
21HB5	(0)	80	64		23516	2	1	2-3-4-7	7	25BQ6	25	85	80	80	12635	2	1	4-5-8-C	C
21HJ5	(0)	70	70		21563	2	1	2-3-5-7	7	25C5	25	23	90	90	15216	3	1	1-2-6-7	7
21JS6	(4)	48	48		66112	1	2	6-7-8-9-C	C	25CA5	25	25	25	25	34111	3	2	1-2-6-7	7
"	Cap goes to top of tube.									25CD6	25	85	76	76	12115	2	1	3-5-8-C	C
21JV6	(5)	97	95		66511	1	1	3-7-8-C	C	25CG3	(0)	25	0	90	21146	1	1	4-7	4
21JZ6	(4)	30	70		61112	3	1	6-7-9-C	C	25CM3	25	0	90	90	64621	1	1	2-9	2
"	Cap goes to top of tube.									25CT3	25	0	93	93	64621	1	1	2-9	2
21KA6	(4)	66	66		16112	1	2	1-7-8-C	C	25CU6	25	80	84	84	11635	2	1	3-4-8-C	C
21KQ6A	19	53	53		56321	1	2	1-3-9-C	C	25DK3	25	0	55	55	14621	2	1	2-3	2
21LG6	(6)	7	70		15132	2	1	2-3-4-C	C	25DK4	25	0	70	70	11214	2	1	5-7	5
"	Cap goes to top of tube.									25DL3	25	0	54	54	64621	2	1	2-C	2
21LR8	19	25	25		65121	2	2	2-3-6-7	6	25DN6	25	71	62	62	12115	4	1	3-5-8-C	C
"	19	70	73		11121	3	2	1-8-9	8	25E5	25	55	10	10	62635	2	2	4-5-6-8	C
"										25EC6	25	54	50	50	12115	3	1	3-5-8-C	C

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TUBE	KEY# FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY# FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
25EH5	25	47	15126 34111	2	2	1-2-6-7	7	30MP23	25	83	15216 34111	2	1	1-2-6-7	7
25F5	25	65	15216 34111	2	2	1-2-6-7	7	30MP27	25	83	15216 34111	2	1	1-2-6-7	7
25GB6	25	91	11635 62114	2	1	4-5-8-C	C	30PL12	12.6	20	56621 66141	2	4	1-8-9	9
25HX5A	25	75	51621 36641	1	2	1-2-6-9	9	"	12.6	15	61521 43661	3	2	2-3-6-7	6
25JQ6	25	15	46321 65611	2	2	1-3-7-9	1	31AL10	(0)	90	16643 21511	1	2	4-5-7-8	4
25JZ8	(0)	40	21141 56311	2	2	4-6-8-9	4	"	(0)	43	14516 21611	1	3	2-3-7	2
"	(4)	70	51112 41111	3	2	1-2-6	6	31JS6	(4)	48	66112 13654	1	2	6-7-8-9-C	C
25KA6	(4)	66	16112 13154	1	2	1-7-8-C	C	31LQ6	25	65	35121 66664	1	2	1-2-3-C	C
25L6	25	45	61435 62111	2	2	3-4-5-8	3	"	Cap goes to top of tube.						
25MP20	25	61	51124 36111	2	2	1-2-5-6	5	31LR8	25	82	65121 43111	2	1	2-3-6-7	6
25RK19	25	0	66621 66641	2	1	9-C	9	"	25	72	11121 11451	1	3	1-8-9	8
25W4	25	0	66114 11211	3	1	3-5	5	31LZ6	25	65	35121 66664	1	2	1-2-3-C	C
26AQ8	25	90	66621 45111	1	2	6-7-8	6	32A8	25	70	56621 66141	3	2	1-8-9	9
"	(4)	90	45121 66611	1	2	1-2-3	1	"	25	35	61521 43661	2	2	2-3-6-7	6
26DQ5	25	55	52136 61614	2	1	1-3-4-C	C	32ET5	35	60	15216 34111	2	2	1-2-6-7	7
26HU5	25	40	51316 62114	2	1	1-2-C	C	32HQ7	(7)	90	11114 12111	2	1	2-3-5-C	C
26HV5	(0)	60	25316 64661	3	2	2-3-4-7	7	"	(0)	0	14111 12111	2	1	2-4	2
26LW6	25	60	61365 62114	2	1	2-3-5-C	C	33GT7	(9)	7	41215 36111	2	1	1-4-5-7	1
26LX6	(4)	23	66112 13654	1	2	6-7-9-C	C	"	(0)	0	24111 11111	3	1	2-4	2
27GB5A	25	78	65121 36664	1	2	2-3-6-C	C	33GY7	(0)	60	24116 16661	2	1	2-4	2
"	Cap goes to top of tube.							"	(7)	75	61563 11214	2	1	2-3-5-C	C
27KG6A	25	50	56321 66614	2	1	1-3-9-C	C	33HE7	(0)	90	24111 66111	1	1	2-4	2
27LF6	(2)	10	11213 15164	1	2	4-5-7-C	C	"	(7)	45	61563 16214	2	1	2-3-5-C	C
"	25	78	65121 36664	1	2	2-3-6-C	C	33JR6	25	62	35121 66641	3	1	1-2-3-9	9
28HA6	25	60	15121 34661	2	2	1-2-6-7	7	33JV6	(5)	97	66511 21364	1	1	3-7-8-C	C
29GK6	25	25	15112 64361	3	2	1-2-7-8	7	34CD3	(0)	0	21146 61661	2	1	4-7	4
29KQ6A	25	30	56321 66614	2	1	1-3-9-C	C	34CE3	(0)	0	26646 61661	2	1	4-7	4
"	Cap goes to top of tube.							"	(0)	0					
29LE6A	25	44	56321 66614	1	2	1-3-9-C	C	34CM3	35	0	64621 66611	1	1	2-9	2
30A5	25	30	15216 34111	2	2	1-2-6-7	7	34DK3	35	0	14621 66661	2	1	2-C	2
30AE3	25	0	66621 66641	3	2	9-C	9	34GD5	35	70	15216 34111	2	2	1-2-6-7	7
30AG11	(0)	0	21411 11111	1	1	2-3	3	34R3	35	0	66612 66641	2	1	9-C	9
"	(0)	74	21115 41111	1	3	4-5-6	6	35C5	35	23	15126 34111	3	1	1-2-6-7	7
"	(8)	71	21111 14511	1	3	7-8-9	7	35DZ8	35	7	56612 66141	2	4	1-8-9	9
30C18	7.5	30	11114 11121	1	1	5-6	5	"	35	7	61512 43661	2	2	2-3-6-7	6
30HJ5	7.5	70	66151 66161	3	2	1-8-9	1	35EH5	35	47	15126 34111	2	2	1-2-6-7	7
30JZ6	(0)	70	63421 65161	2	1	2-3-5-7	7	35GL6	35	25	15213 64111	2	2	1-2-5-7	7
"	Cap goes to top of tube.							35L6	35	45	61435 62111	2	2	3-4-5-8	8
30KD6	(4)	93	16112 13154	1	1	6-7-9-C	C	35LR6	(4)	43	66112 13654	1	2	6-7-8-9-C	C
"	Cap goes to top of tube.							35W4	35	0	11124 61111	1	1	5-7	5
30KG6A	25	50	56321 66614	2	1	1-3-9-C	C	"	35	0	14161 11211	4	1	2-7	2
30LW6	25	60	61365 62114	2	1	2-3-5-C	C	35Y4	35	0	16664 62111	4	1	5-8	5
30MB6	(5)	83	51321 11664	1	2	1-3-7-C	C	35Z4	35	0	12614 11111	1	1	5-8	5
"	Cap goes to top of tube.							35Z5	35	0	11214 61111	3	1	5-7	5
"	Cap goes to top of tube.							36AM3	35	0	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	1280		12.6	7	50	14311 51211	2	4	2-3-6-7	2
40FR5	(0)	35	0	55	24111 66161	2	1	2-4	2	1611		6.3	45	75	12435 11111	3	2	3-4-5-8	3
			50	60	15126 34111	2	2	1-2-6-7	7	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
40KG6A		35	50	20	56321 66614	2	1	1-3-9-C	C	"		12.6	23	65	12145 11111	4	3	3-4-5-8	3
42EC4A		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	5636		6.3	7	83	51114 23611	2	4	1-2-3-7	5
45B5		50	80	85	65121 64631	3	1	2-3-7-9	7	5642		1.25	0	100	11111 11214	1	3	C	C
50B5		50	7	65	51124 36111	2	2	1-2-5-6	5	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
50C5		50	30	65	51512 43661	2	2	2-3-6-7	6	5663		6.3	0	100	11213 14111	1	1	1-7	7
50DC4		50	23	90	15216 34111	3	1	1-2-6-7	7	5670		6.3	30	30	21541 45111	2	3	*	4-6
50EH5		50	0	70	11124 61111	2	1	5-7	5	"		*2-3-4-6-7-8							
50FE5		50	47	47	15126 34111	2	2	1-2-6-7	7	5686		6.3	40	75	15621 34661	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 66661	1	2	1-2-3	1
			7	45	15126 34111	3	2	1-2-6-7	7	"		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
50GY7	(4)	50	30	40	56621 66141	1	4	1-8-9	9	"		6.3	15	60	11154 12111	3	2	4-5-6	5
			0	95	11112 41111	1	1	6-8	6	5693		6.3	20	5	61151 32411	2	4	4-5-6-8	8
50HC6	(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
50HK6		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
50HN5		50	30	25	15213 64111	2	2	1-2-5-7	7	5726		6.3	88	58	16211 15111	1	6	1-2-5-7	7
50JY6		50	35	35	56121 64631	2	2	1-3-7-9	9	"		6.3	88	58	15211 16111	1	6	1-2-5-7	7
			80	85	62635 61114	2	1	4-5-8-C	C	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	8	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
			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
			0	75	12513 61111	4	1	3-4-5-8	8	"		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	5823		70	0	70	46266 16611	3	1	1	1
			0	55	24111 66161	2	1	2-4	2	5824		25	7	50	61435 62111	2	3	3-4-5-8	3
58HE7	(0)	50	0	90	24111 66111	1	1	2-4	2	5840		6.3	7	85	51164 23611	2	3	1-2-5-7	5
			45	60	61563 16214	2	1	2-3-5-C	C	5879		6.3	45	60	51121 13411	3	3	1-3-7-8	8
60FX5		50	55	60	15126 34111	2	2	1-2-6-7	7	5881		6.3	47	95	61435 62111	4	1	3-4-5-8	3
117L7		117	0	60	12111 31111	4	1	1	1	5884		6.3	70	65	64125 61111	2	2	2-5-7	2
			30	0	12353 11111	3	2	3-4-5-6-8	8	"		6.3	70	65	46126 51111	2	2	1-6-7	1
163PEN		19	55	55	65121 64631	2	2	2-3-7-9	9			6.3	70	65					

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	56	7	56	51214	3	3	1-2-5-6-7	5	7199	6.3	25	55	14321	2	3	2-3-6-7	2	
5931	5.0	35	0	35	12111	4	1	6	6	"	6.3	25	45	46621	3	2	1-8-9	1	
65963	5.0	35	0	35	12141	4	1	4	4	7233	6.3	85	60	45621	1	1	1-2-8	1	
65963	12.6	20	20	15	45121	2	3	1-2-3	1	7247	12.6	45	65	45121	3	2	1-2-3	1	
65963	12.6	20	20	15	11121	2	3	6-7-8	6	"	12.6	55	65	11121	2	3	6-7-8	6	
65963	6.3	20	20	40	51124	2	3	1-2-5-6	5	7308	6.3	70	80	45121	1	2	1-2-3	1	
65963	6.3	15	10	10	11154	2	1	4-5-6	5	"	6.3	70	80	11121	1	2	6-7-8	6	
65963	6.3	15	10	10	54111	2	1	1-2-3	2	7355	6.3	7	16	11411	4	2	3-5-6-8	3	
65963	6.3	70	32	32	36121	2	3	1-3-6-9	6	7360	6.3	20	99	13521	3	3	1-2-3-6	6	
65963	12.6	10	74	74	45112	2	3	1-2-3	1	"	6.3	20	99	13521	3	3	1-2-3-7	7	
65963	12.6	10	74	74	66612	2	3	6-7-8	6	7408	6.3	23	60	61435	4	2	3-4-5-8	3	
65963	6.3	40	15	15	46126	2	3	1-6-7	1	7543	6.3	80	85	56124	3	2	1-5-6-7	7	
65963	6.3	40	45	45	11365	2	2	1-3-5-C	C	7581	6.3	25	25	61435	4	2	3-4-5-8	3	
65963	25	40	90	90	12365	3	1	1-3-5-C	C	7591	6.3	85	50	11431	2	2	3-4-5-6	3	
65963	6.3	45	18	18	45112	2	3	1-2-3	1	7643	6.3	50	58	41121	2	2	1-8-9	1	
65963	6.3	45	18	18	66612	2	3	6-7-8	6	"	6.3	80	75	15321	2	3	2-3-6-7	6	
65963	12.6	20	60	60	45112	2	3	1-2-3	1	7695	50	70	80	31621	3	1	1-6-7-9	9	
65963	12.6	25	65	65	66612	2	3	6-7-8	6	7724	12.6	25	35	66612	2	4	7-8-9	9	
65963	12.6	25	10	10	45121	2	3	1-2-3	1	"	12.6	0	25	16612	1	2	1-6	6	
65963	12.6	25	10	10	11121	2	3	6-7-8	6	"	12.6	0	25	64112	1	2	2-3	2	
65963	6.3	55	55	55	15121	3	2	2-3-7-8	7	7751	6.3	10	78	62435	1	2	3-4-5-8	3	
65963	6.3	20	30	30	31121	4	3	1-3-6-9	6	7788	6.3	52	35	15621	2	2	1-2-6-7	7	
65963	6.3	85	85	85	62365	1	2	3-5-6-C	C	7868	6.3	85	85	35121	4	1	1-2-3-9	9	
65963	12.6	35	50	50	51621	3	2	1-2-6-7	6	7898	12.6	93	100	45121	1	2	1-2-3	1	
65963	12.6	35	50	50	61521	3	2	2-3-7-8	8	"	12.6	93	100	11121	1	2	6-7-8	6	
65963	6.3	75	75	75	21541	2	2	*	4-6	7984	(4) 12.6	69	80	53112	1	2	1-2-6-9	9	
65963	12.6	25	25	25	41521	3	2	1-2-3	1	8032A	12.6	40	45	11365	2	2	1-3-5-C	C	
65963	12.6	25	25	25	11121	3	2	6-7-8	6	8068	6.3	45	45	12115	3	2	3-5-8-C	C	
65963	6.3	70	75	75	51124	3	2	1-5-6-7	5	8102	12.6	70	80	41521	2	2	1-2-3	1	
65963	6.3	45	42	42	31111	1	3	1-2-5-6	5	"	12.6	80	85	11121	3	2	6-7-8-9	6	
65963	6.3	80	70	70	51214	2	2	2-3-7-8	7	8106	12.6	60	60	41321	3	2	1-2-3-7	1	
65963	6.3	50	85	85	65121	2	2	1-2-7-9	7	8113	6.3	25	30	51214	2	3	1-2-5-6	5	
65963	6.3	55	90	90	15621	2	2	1-2-3-6	6	8136	6.3	65	85	51214	3	2	1-2-5-6	5	
65963	12.6	70	75	75	12365	3	1	1-3-5-C	C	"	(4) 12.6	35	55	53112	2	2	1-2-6-9	9	
65963	6.3	70	70	70	15211	4	3	1-2-5-7	2-7	8156	6.3	45	45	46321	2	2	1-3-7-8	7	
65963	12.6	50	60	60	61521	3	2	2-3-8	8	8233A	6.3	70	87	31621	1	2	1-2-7-9	9	
65963	12.6	50	60	60	51621	3	2	2-6-7	6	8278A	6.3	45	40	61435	2	2	3-4-5-8	3	
65963	6.3	50	50	50	31521	3	2	1-3-7-9	9	8417	6.3	70	89	51124	3	2	1-5-6-7	7	
65963	12.6	43	60	60	45121	1	4	1-2-3	1	8425	12.6	80	90	12365	2	1	1-3-5-C	C	
65963	12.6	43	60	60	11121	1	4	6-7-8	6	8552	6.3	94	90	61315	1	1	3-4-5-C	C	
65963	6.3	90	90	90	32465	4	1	1-3-5-8	3	8908	(3) 12.6	55	56	62311	3	1	6-8-C	C	
65963	12.6	20	55	55	15112	2	2	1-2-7-8	7	8950	6.3	50	50	51214	2	3	1-2-5-6	6	
65963	12.6	35	30	30	45121	2	2	1-2-3	1	9003	6.3	50	50	36111	2	3	1-2-5-6	6	
65963	12.6	35	30	30	11121	2	2	6-7-9	9	"	12.6	50	50	11121	2	3	1-2-5-6	6	

TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT	TUBE	KEY#	FIL.	GR. PL.	LEVERS	V	S	LEAK	MERIT
A1834	6.3	15	10	11154	2	1	4-5-6	5	EF37A	6.3	53	53	62436	2	3	3-4-8-C	3
"	6.3	15	10	54111	2	1	1-2-3	2	EF804S	6.3	75	100	11112	2	2	3-7-8-9	7
AA91E	6.3	0	98	16211	1	1	1-7	7	EFL200	6.3	77	76	51342	2	2	1-2-3-4	4
"	6.3	0	98	14211	1	1	2-5	2	EL32	6.3	45	47	11112	2	2	7-8-9-C	C
ABC91	12.6	7	54	61435	4	2	3-4-5-8	3	EL500	6.3	80	75	61435	4	2	3-4-5-8	C
AR18	6.3	44	45	61466	2	3	3-8-C	3	EL503	6.3	70	87	31621	1	2	2-3-6-C	9
"	6.3	7	0	11466	4	6	4-5	4-5	EL504	6.3	80	75	65121	2	1	1-2-7-9	C
E55LA	6.3	45	45	46321	2	2	1-3-7-8	7	EL505	6.3	50	35	56321	2	1	1-3-9-C	C
E80CC	12.6	10	74	45112	2	3	1-2-3	1	EL508	6.3	7	75	11635	3	1	4-5-8-C	C
"	12.6	10	74	66612	2	3	6-7-8	6	EN91	6.3	0	58	61213	2	1	1-2-5-6	6
E80F	6.3	70	32	36121	2	3	1-3-6-9	6	EY500	6.3	0	93	64121	1	1	2-C	2
E80L	6.3	55	55	15121	3	2	2-3-7-8	7	GZ32	5.0	0	65	12141	2	1	4	4
E81L	6.3	80	70	65121	2	2	2-3-7-8	7	LCF200	5.0	0	65	12111	2	1	6	6
E82CC	12.6	95	100	45121	1	2	6-7-8	6	"	6.3	87	40	16112	1	3	1-9-C	9
"	12.6	95	100	11121	2	2	1-2-3	3	LCF201	6.3	18	10	61512	2	3	2-3-7-8	7
E83CC	12.6	37	75	45112	2	3	1-2-3	1	"	6.3	52	52	16112	2	2	1-9-C	9
"	12.6	40	76	66612	2	3	6-7-8	6	"	6.3	45	100	61512	1	3	2-3-7-8	7
E83F	6.3	55	90	35121	2	2	1-2-3-6	6	LCH200	5.0	65	65	11532	1	4	1-3-4-7	7
E84L	6.3	65	85	65112	4	1	2-3-7-9	7	"	5.0	55	55	11112	1	3	8-9-C	C
E90Z	6.3	0	90	41121	2	1	1-7	1	LFL200	9.0	77	76	51342	2	2	1-2-3-4	4
"	6.3	0	90	61121	2	1	6-7	6	"	9.0	45	47	11112	2	2	7-8-9-C	C
E182CC	12.6	80	60	45121	1	2	1-2-3	1	LL500	19	75	75	65121	1	2	2-3-6-C	C
"	12.6	84	60	11121	1	2	6-7-9	9	LL509	25	50	50	56321	2	1	1-3-9-C	C
E188CC	6.3	70	80	45121	1	2	1-2-3	1	LL521	19	53	53	56321	1	2	1-3-9-C	C
"	6.3	70	80	11121	1	2	6-7-8	6	LL802	9.0	66	35	15621	2	2	1-2-6-7	7
E235L	6.3	10	78	62435	1	2	3-4-5-8	3		Good tube reads above 50.							
E810F	6.3	52	35	15621	2	2	1-2-6-7	7	N22LL	19	27	80	56121	2	1	1-3-6-9	9
E902	6.3	0	90	41121	2	1	1-7	1	PCF200	7.5	87	40	16112	1	3	1-9-C	9
"	6.3	0	90	61121	2	1	6-7	6	"	7.5	18	10	61512	2	3	2-3-7-8	7
EAF801	6.3	81	82	35121	2	2	1-2-3-6	6	PCF201	7.5	52	52	16112	2	2	1-9-C	9
"	6.3	0	86	66411	1	2	3-8	8	"	7.5	45	100	61512	1	3	2-3-7-8	7
EC88	6.3	55	65	51621	2	2	1-2-8	8	PCH200	9.0	65	65	11532	1	4	1-3-4-7	C
ECC808	6.3	35	50	51421	1	4	1-2-3	3	"	9.0	55	55	11112	1	3	8-9-C	1
ECF200	6.3	35	50	11121	1	4	7-8-9	7	PCL85	19	61	70	45121	1	3	1-2-3	1
"	6.3	87	40	16112	1	3	1-9-C	9	PD500	19	87	87	11121	1	2	6-7-8-9	6
ECF201	6.3	18	10	61512	2	3	2-3-7-8	7	"	9.0	60	15	16621	4	5	1-8-C	C
"	6.3	52	52	16112	2	2	1-9-C	9	PFL200	12.6	85	80	51342	1	3	1-2-3-4	4
ECH200	6.3	45	100	61512	1	3	2-3-7-8	7	"	12.6	60	60	11112	1	3	7-8-9-C	C
"	6.3	65	65	11532	1	4	1-3-4-7	7	PL500	25	75	75	65121	1	2	2-3-6-C	C
"	6.3	55	55	11112	1	3	8-9-C	C	PL504	25	80	70	65121	2	1	2-3-6-C	C
ECLL800	6.3	0	45	45121	2	4	1-2	1	PL505	35	50	35	56321	2	1	1-3-9-C	C
"	6.3	50	50	11131	3	2	2-3-9	3	PL521	25	53	53	56321	1	2	1-3-9-C	C
ED500	6.3	60	15	16621	4	5	1-8-C	C	PY500	35	0	55	16121	2	1	8-C	8

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

K4XL's **BAMA**

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