

CAUTION

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TO AVOID TUBE DAMAGE, ADJUST ALL SETTINGS BEFORE INSERTING THE TUBE IN ITS SOCKET!

IF MORE THAN ONE ELEMENT TEST IS INDICATED, REMOVE TUBE FROM SOCKET BEFORE SETTING LEVERS.

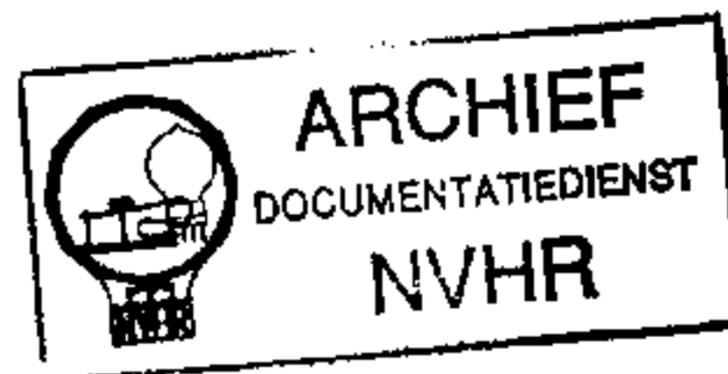
WHEN TAKING A MERIT READING, DO NOT HOLD THE MERIT BUTTON LONGER THAN NECESSARY TO ACQUIRE THAT READING.

▲ MAGNOVAL BASE - MUST USE "MAGNOVAL SOCKET" OR "MAGNOVAL ADAPTER".

■ 10 PIN DECAL BASE - MUST USE "DECAL SOCKET" OR "DECAL ADAPTER".

4, 5, 6 PIN AND SEPTAL BASE TUBES CAN BE TESTED ON THIS UNIT BY USING THE EICO MODEL 615 ADAPTER.

Ned. Ver. v. Historie v/d Radio



(AUTHORIZED **EICO** TUBE DATA SERVICE)

COLETRONICS SERVICE INC. 1744 ROCKAWAY AVE. HEWLETT, N.Y. 11557

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT		
OA2	0	0	60	4166666 111111	3	2	1	1	1AY2	Units without 2 pin rect. socket insert fil. pins into contacts 4 & 9 of 9/10 pin miniature socket.									
OA3	0	0	86	1161416 111111	2	2	5	5	"	1.25	70	70	1212111 111114	2	3	C	C		
OA4	0	0	50	1111415 111111	4	2	2-5-7	5	"	Good tube reads above 30.									
OA5	0	0	100	1661415 111111	4	5	5	5	"	1.25	0	85	6166662 611114	2	3	C	C		
OB2	0	0	75	4166666 111111	2	3	1	1	1B3	2.0	7	49	2431111 111115	2	4	2-3-C	2		
OB3	0	0	90	1161416 111111	2	3	5	5	1B4P	2.0	7	10	2366511 111111	2	5	2-3-4	2		
OC2	0	0	73	4166666 111111	2	2	1	1	1B5	2.0	7	10	2366511 111111	4	6	3-4	3-4		
OC3	0	0	45	1161416 111111	2	3	5	5	"	1.4	70	81	1235131 111111	4	4	3-4-5-6	3		
OD3	0	0	30	1111411 111111	4	2	5	5	1B7	1.4	70	78	1235131 111111	4	4	6	6		
OG3	0	0	90	4166666 111111	2	2	1	1	"	1.4	42	59	1233531 611115	2	3	3-4-5-6-8-C	3		
OY4	0	0	35	1111415 111111	4	2	5	5	1B8	1.4	13	94	1233531 611115	2	5	4	4		
OZ4	Z	0	30	1141611 211111	4	2	3	3	"	1.4	7	10	1233531 611115	4	6	5	5		
"	Z	0	30	1161411 211111	4	2	5	5	"	1.25	0	90	2116161 161114	3	2	C	C		
O1A	5.0	7	91	2351111 111111	2	3	2-3	2	1BC2	1.4	0	76	6266661 611114	2	3	C	C		
1A3	1.25	7	21	1411662 111111	4	6	2-3	2	1BK2	1.4	0	95	6612161 661114	2	3	C	C		
1A4P	2.0	7	38	2431111 111115	2	4	3-C	2	"	No short test.									
1A4T	2.0	7	51	2431111 111115	2	4	2-C	2	1BX2	1.4	0	95	6612161 661114	2	3	C	C		
1A5	1.25	39	84	1143512 111111	2	3	3-4-5	3	"	No short test.									
1A6	2.0	30	62	2445311 111112	2	4	2-3-4-5	2	1BY2	1.25	0	100	1666666 266664	2	3	-	C		
"	2.0	30	35	2445311 111112	2	4	3	3	"	Good tube reads above 30. No short test.									
1A7	1.25	70	20	1141532 111111	2	3	3-5-6	3	1C3	1.4	7	84	2315151 111111	4	3	2-4	2		
1AB6	1.4	40	20	1435352 111111	1	5	2-3-4-5-6	2	1C5	1.4	29	41	1233511 111111	2	3	3-5	3		
1AC5	1.25	7	25	1511214 311111	2	4	2-7-8	7	1C6	2.0	40	65	2445311 111112	2	4	2-4-5	2		
1AD2	1.25	0	90	2661666 661614	3	3	C	C	"	2.0	40	90	2445311 111112	2	3	3	3		
1AD4	1.25	7	37	4351211 111111	3	3	1-2-5	1	1C7	2.0	50	77	1243541 111112	2	4	3-4-5	3		
"	Good tube reads above 50								"	2.0	50	75	1243541 111112	2	3	6	6		
1AD5	1.25	20	62	1511214 311111	2	4	2-7-8	7	1C8	1.25	35	72	6511233 511111	1	5	2-6-7	6		
1AB4	1.25	7	95	1436652 111111	4	3	2-3-6	2	"	1.25	35	29	6511233 511111	1	5	7	7		
1AF4	1.25	7	50	1436652 111111	4	4	2-3-6	2	1D5	2.0	7	29	1243111 111115	2	4	3-C	3		
1AF5	1.4	0	100	1156662 111111	4	6	4-5-6	5	1D7	2.0	35	72	1243531 111112	2	4	3-4-5	3		
"	1.4	25	60	1113452 111111	4	5	3	3	"	2.0	35	20	1243531 111112	2	4	6	6		
1AG4	1.25	70	8	4325111 111111	1	4	1-2-4	1	1D8	1.4	26	75	1233531 611115	2	3	3-4-5-6-8	3		
1AH4	1.25	7	86	3315211 111111	2	4	1-2-4	1	"	1.4	7	82	1233531 611115	3	4	6	6		
1AJ2	1.25	0	60	1166666 661624	2	5	C	C	1D13	1.4	7	22	1233531 611115	4	6	8	8		
1AJ4	1.4	50	95	1436652 111111	1	4	3-6	2	"	1.25	7	21	1411662 111111	4	6	2-3	2		
1AJ5	1.25	7	84	3361521 111111	2	4	1-2-3-5	1	1DG3	1.25	0	30	1616661 211114	3	3	-	C		
"	1.25	7	25	3361521 111111	4	6	3	3	"	Good tube reads above 20. No short test.									
1AK4	1.25	7	0	3315211 111111	2	5	1-2-4	1	1DK1	1.25	0	70	1211111 111114	3	2	C	C		
1AN5	1.25	7	75	1431652 111111	2	4	2-3-6	2	"	Insert 2 base leads into pins 1&2 of 9 pin min. socket. Cap goes to top lead. Good tube reads above 20.									
1AU2	1.25	0	60	6662166 641111	3	3	9	9	1DK29	1.25	0	70	1211111 111114	3	2	C	C		
1AU3	1.25	0	60	6166662 611111	2	5	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.									
1AX2	1.4	0	40	6612161 661114	3	4	C	C	"	1.4	10	85	1115112 111111	2	5	4	4		
1AX4	1.4	0	86	2116661 661113	4	4	C	C	1DN5	1.4	7	50	1436152 111111	2	3	2	2		
									1DY4	1.4	7	40	4521166 111111	2	2	1-2-5	1		
									1E4	1.4	7	85	1231511 111111	4	3	3-5	3		

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
1E5	2.0	7	53	1233111 111115	2	4	3-4-C	3	1P5	1.4	7	51	1233111 111115	4	4	3-4-C	3
1E7	2.0	7	65	1245541 311111	4	3	3-4-5-6-8	3-6	1P39	0	0	100	1114111 111111	2	6	4	4
1E8	1.25	95	92	6511233 511111	1	4	2-6-7	6	1P40	0	0	100	1114111 111111	2	6	4	4
"	1.25	95	76	6511233 511111	1	4	7	7	1Q5	1.4	30	21	1233511 111111	2	3	3-4-5	3
1F4	2.0	21	33	2353111 111111	3	3	2-3-4	2	1Q6	1.25	30	67	1511263 311111	2	4	2-6-7-8	7
1F5	2.0	25	26	1233511 111111	3	3	3-4-5	3	"	1.25	7	28	1511263 311111	4	6	6	6
1F6	2.0	18	29	2436611 111115	2	4	2-3-4-5-C	2	1R4	1.4	7	17	1114111 211111	4	6	4-7	4
"	2.0	7	29	2436611 111115	4	6	4-5	4-5	1R5	1.4	7	70	1435612 111111	2	4	2-3-4	2
1F7	2.0	20	28	1246631 111115	2	4	3-4-5-C	3	1RK23	1.4	0	90	1261616 611114	3	2	C	C
"	2.0	7	28	1246631 111115	4	6	4-5	4-5	1RK41	1.4	0	76	6266661 611114	2	3	C	C
1G3	1.25	0	95	6166662 611114	2	3	C	C	"	No short test.							
1G4	1.4	10	20	1231511 111111	2	4	3-5	3	1S2	1.4	0	90	1261616 611114	3	2	C	C
1G5	2.0	50	18	1233511 111111	2	3	3-4-5	3	1S4	1.4	7	44	1435162 111111	2	3	2-3-4	2
1G6	1.4	7	91	1235531 111111	3	4	3-4-5-6	3-6	1S5	1.4	20	80	1163452 111111	2	4	4-5-6	5
1H2	1.4	0	40	6216616 661114	3	3	C	C	"	1.4	50	85	1156662 111111	4	4	3	3
1H4	2.0	24	94	1231511 111111	2	3	3-5	3	1S6	1.4	20	70	4151261 311111	2	4	1-3-8	1
1H5	1.4	7	80	1141662 111115	2	5	3-C	3	"	1.4	7	20	6161251 611111	4	6	6	6
"	1.4	50	61	6161562 111116	2	5	5	5	1SA6	1.4	7	77	1215131 311111	2	4	3-4	8
1H6	2.0	7	16	1236651 111111	2	5	3-4-5-6	3	1SB6	1.4	20	69	1243611 511111	2	4	3-4	8
"	2.0	7	15	1236651 111111	4	6	4-5	4-5	"	1.4	7	25	1243611 511111	4	6	5	5
1H35	1.4	40	20	1435352 111111	1	5	2-3-4-5-6	2	1T4	1.4	7	85	1431652 111111	2	4	2-3-6	2
1J3	1.4	0	85	6166662 611114	3	3	C	C	1T5	1.4	39	54	1233511 111111	2	3	3-4-5	3
1J5	2.0	50	40	1233511 111111	2	3	3-4-5	3	1T6	1.25	25	67	3151261 311111	2	4	1-3-6-8	1
1J6	2.0	7	68	1245541 111111	4	3	3-4-5-6	3-6	"	1.25	7	98	3151261 311111	3	6	6	6
1K3	1.25	0	75	6166662 611114	2	4	C	C	1U4	1.4	7	60	1331152 111111	3	4	2-3-6	2
1L4	1.4	7	92	1435112 611111	4	3	2-3-6	2	1U5	1.4	20	60	1436152 111111	2	4	2	2
1L6	1.4	7	25	1435112 111111	2	5	2-3-4	2	"	1.4	65	10	1115112 111111	3	5	4	4
1LA4	1.4	7	62	1431151 211111	4	3	2-3-6	2	1U6	1.4	7	88	1435112 111111	2	4	2-3-4	2
1LA6	1.4	7	5	1435111 211111	2	5	2-3-4	2	1V	6.3	0	29	2311111 111111	2	2	2-3	2
1LB4	1.4	25	71	1431151 211111	2	3	2-3-6	2	1V2	.625	0	100	6662166 641111	3	2	9	9
1LC5	1.4	7	70	1431651 211111	2	4	2-3-6	2	"	Good tube reads above 20.							
1LC6	1.4	7	75	1435111 211111	2	4	2-3-4	2	1V5	1.25	45	85	1511213 311111	1	4	2-7-8	7
1LD5	1.4	27	36	1436151 211111	1	5	2-3-6	2	1V6	1.25	14	79	3351132 111111	1	5	1-2-3-5	1-6
"	1.4	7	25	1665161 211111	4	6	4	4	1W4	1.4	33	71	1331152 111111	2	3	2-3-6	2
1LE3	1.4	12	73	1411651 211111	4	3	2-6	2	1W5	1.25	25	53	1511213 311111	2	4	2-7-8	7
1LG5	1.4	7	83	1431651 211111	3	3	2-3-6	2	1X2	1.4	0	85	6612161 661114	2	3	C	C
1LH4	1.4	13	86	1416151 211111	2	5	2-6	2	2A3	2.5	55	70	2451111 111111	3	2	2-3	2
"	1.4	7	23	1615161 211111	4	6	4	4	2A4	2.5	20	78	1251111 111111	4	2	3-5	3
1LN5	1.4	7	65	1431651 211111	4	4	2-3-6	2	"	2.5	85	78	1251111 111111	4	2	3	3
1M3	1.4	100	70	5611211 411111	2	5	1	8	2A5	2.5	7	44	2445111 111111	4	2	2-3-4-5	2
1N2A	1.4	0	60	6166662 611114	4	6	C	C	2A6	2.5	7	20	2466111 111115	2	5	2-3-4-5-C	2
1N3	1.4	100	70	5611211 411111	2	5	1	8	"	2.5	7	20	2466111 111115	4	6	3-4	3-4
1N5	1.4	7	79	1143112 111115	4	4	3-4-C	3	2A7	2.5	7	87	2334111 111111	4	3	2-3-5-6	2
1N6	1.4	34	92	1233561 111111	2	3	3-4-5-6	3	"	2.5	7	0	2334111 111111	4	4	4	4
"	1.4	7	25	1233561 111111	4	6	6	6	2AF4	2.0	77	77	4521166 111111	1	2	1-2-5	1
									2AH2	2.5	0	25	2661666 661614	4	3	C	C

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
2AS2	2.5	0	30	1666666 666624	2	3	C	C	2FS5	2.5	44	10	5121436 111111	3	3	1-2-5-6	5
"	Good tube reads			above 20.					2FV6	2.5	25	25	5112431 111111	2	3	1-5-6-7	5
2AV2	1.4	80	95	6662166 651111	4	4	9	9	2FY5	2.5	15	60	6521461 111111	2	3	2-5-7	5
2AZ2	2.0	0	90	6612161 661114	3	2	C	C	2GK5	2.5	30	90	1521466 111111	2	2	1-2-5	5
2B3	2.5	0	60	6111112 611114	2	4	C	C	2GU5	2.5	68	80	5121436 111111	3	2	1-2-5-6	5
2B7	2.5	78	12	2436611 111115	3	3	*	2	"								
"	*2-3-4-5-6-C								2GW5	2.5	45	80	4521161 111111	2	2	1-2-5	1
"	2.5	7	20	2436611 111115	4	6	4-5	4-5	2HA5	2.0	90	96	5121466 111111	1	2	1-2-5	5
2BA2	2.0	70	70	6662166 641111	3	2	9	9	2HK5	2.5	25	80	5121466 111111	2	2	1-2-5	5
2BJ2	2.5	0	96	6216661 611114	3	2	C	C	2HM5	2.0	90	96	5121466 111111	1	2	1-2-5	5
2BN4	2.5	45	53	1521466 111111	1	3	1-2-5	5	2HQ5	2.5	50	60	5121466 111111	2	2	1-2-5	5
2BU2	2.8	0	35	1666666 666624	2	3	C	C	2HR8	2.5	10	90	3111241 151111	2	3	3-6	6
"	Good tube reads			above 40.					2T4	2.5	35	71	4521166 111111	2	2	1-2-5	1
2C21	2.5	23	26	1665412 111116	3	3	4-5-6	5	2V2	2.5	0	70	1211611 111114	4	3	C	C
"	2.5	23	26	1146662 111115	3	3	2-3-C	3	2V3	2.5	0	93	1211111 111113	4	3	C	C
2C50	2.5	10	80	1115412 111111	2	2	4-5-6	5	2W3	2.5	0	96	1213111 111111	4	1	4	4
"	2.5	10	80	5411112 111111	2	2	1-2-3	2	2X2	2.5	0	7	2111111 111114	4	2	C	C
2C51	6.3	30	30	2154145 111111	2	3	*	4-6	3A2	2.8	0	35	6116661 621114	2	4	C	C
"	*2-3-4-6-7-8								3A3	2.8	0	25	1211111 611114	1	4	C	C
2C52	2.5	7	82	1115412 111111	4	4	4-5-6	5	3A4	2.8	70	90	1435662 111111	2	2	2-3-4	2
"	2.5	7	82	5411112 111111	4	4	1-2-3	2	3A5	2.8	15	63	1456662 111111	2	3	2-3	2
2CN3	1.4	0	90	6266661 611114	3	2	C	C	"	2.8	15	84	1666542 111111	2	3	5-6	6
2CW4	2.5	7	30	1415111 112111	1	3	2-4-8	2	3A8	2.8	7	79	6233531 611115	4	4	*	3
2CY5	2.5	7	75	5112436 111111	2	3	1-2-5-6	5	"	*3-4-5-6-8-C							
2D21	6.3	0	100	5121346 111111	1	1	1-2-5-6	6	"	2.8	7	67	6233531 611115	4	5	6	6
2DF4	2.5	30	60	3141216 511111	2	2	1-3-8	3	"	2.8	7	23	6233531 611115	4	6	8	8
2DL4	2.0	55	65	5162166 461111	2	2	1-2-8	8	3AF4	2.8	77	77	4521166 111111	1	2	1-2-5	1
2DM4	12.6	0	55	6611411 211111	4	1	3-5	5	3AL5	2.8	80	90	1521115 111111	4	2	1-2-5-7	2-7
2DM5	12.6	7	94	1512634 111111	4	1	1-2-6-7	7	3AT2	2.8	0	95	2611661 661114	3	2	C	C
2DS4	2.0	61	58	1415111 112111	1	3	2-4-8	2	"	Good tube reads			above 30.				
2DV4	2.0	40	45	4615161 111121	3	2	1-4-7	1	3AU6	2.8	70	89	5112431 111111	3	2	1-5-6-7	5
2DW4	2.0	0	35	6662164 611111	4	1	7-9	7	3AV6	2.8	25	85	5121664 111111	3	3	1-2-7	7
2DX4	2.5	10	40	4521166 111111	1	3	1-2-5	1	"	2.8	25	14	5121664 111111	4	6	5-6	5-6
2DY4	2.5	10	40	4521166 111111	1	3	1-2-5	1	3AW2	2.8	0	60	6261661 661614	3	2	C	C
2DZ4	2.0	25	70	4521166 111111	2	2	1-2-5	1	3AW3	2.8	0	25	1211111 611114	1	4	C	C
2E5	2.5	7	87	2414111 111111	4	3	2-3-4-5	2	3B2	2.8	55	55	6261661 611114	3	3	C	C
2E26	6.3	20	20	1236561 111114	3	2	1-3-5-C	C	3B4	2.5	80	83	3652163 111111	2	3	1-3-7	7
2EA5	2.5	25	50	5112436 111111	2	3	1-2-5-6	5	3B7	2.5	45	34	1456166 211111	3	3	2-3	2
2EG4	1.4	50	85	1415111 112111	2	3	2-4-8	2	"	2.5	45	34	1666154 211111	3	3	6-7	7
2EN5	2.5	0	85	1612114 111111	1	1	5-7	7	3BA6	2.8	75	90	5121431 111111	3	2	1-5-6-7	5
"	2.5	0	85	1412116 111111	1	1	2-5	2	3BC5	2.8	30	20	5121436 111111	3	3	1-2-5-6	5
2ER5	2.0	35	100	1521466 111111	2	2	1-2-5	5	3BE6	2.8	30	96	5121431 111111	2	3	1-2-5-7	5
2ES5	2.5	20	15	6521461 666666	2	3	2-5-7	5	3BH2▲	2.8	0	65	2666666 161114	2	3	C	C
2EV5	2.5	7	90	5112436 111111	3	2	1-2-5-6	5	3BL2	3.8	0	80	2661661 161614	3	2	C	C
2FH5	2.5	16	0	6521461 111111	2	3	2-5-7	5	"	No short test.							
2FQ5	2.5	60	70	1521416 111111	2	2	1-2-5	5	3BM2	2.8	0	60	2661661 161614	3	2	C	C

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
3BN2	2.8	0	95	2611661 661114	3	2	C	C	3DJ3	2.8	0	85	6261611 111114	2	3	C	C
3BN4	2.8	10	75	1512466 111111	4	2	1-2-5-7	7	3DK6	2.8	65	85	5121431 111111	3	2	1-2-5-6	5
3BN6	2.8	44	90	1512314 111111	2	4	1-2-5-6-7	7	3DR3	3.8	0	70	1121611 111114	2	3	C	C
3BS2	2.8	0	45	2666666 666614	2	3	C	C	"	No short test.							
"	Good tube reads			above 40.					3DS3	2.8	0	60	6126616 111114	2	3	C	C
3BT2	3.8	0	38	1666666 666624	2	3	C	C	"	No short test.							
"	Good tube reads			above 40.					3DT6	2.8	29	86	5121431 111111	3	3	1-2-5-6	5
3BU8	2.8	70	90	1341215 661111	2	3	1-2-3-7	3	3DX4	2.8	10	40	4521166 111111	1	3	1-2-5	1
"	2.8	40	50	1361265 411111	2	4	1-2-7-8	8	3DY4	2.8	10	40	4521166 111111	1	3	1-2-5	1
3BW2	3.8	0	38	1666666 666624	2	3	C	C	3DZ4	2.8	77	77	4521166 111111	1	2	1-2-5	1
"	Good tube reads			above 40.					3E5	2.8	7	71	1331652 111111	2	3	2-3-6	2
3BX6	2.5	7	88	1561214 311111	2	3	1-2-7-8	7	3E6	2.8	20	89	1331651 111111	2	3	4-6	2
3BY6	2.8	30	95	5121431 611111	2	2	1-2-5-6-7	5									
3BY7	2.8	10	90	1561214 311111	4	2	1-2-7-8	7	3EA5	2.8	25	65	5112436 111111	2	3	1-2-5-6	5
									3EH7	2.8	30	40	1561214 311111	2	3	1-2-7-8	7
3BZ6	2.8	85	80	5121431 111111	2	3	1-2-5-6	5	3EJ7	2.8	53	76	1561214 311111	3	2	1-2-7-8	7
3C2	2.8	0	16	1216661 611114	1	4	C	C	3ER5	2.8	35	100	1521466 111111	2	2	1-2-5	5
3C6	2.8	7	90	2111531 111111	4	3	4-5	6	3ES5	2.8	20	15	6521461 666666	2	3	2-5-7	5
"	2.8	7	90	2135111 111111	4	3	3	3									
3CA3	3.8	0	40	1211111 611114	3	3	C	C	3EV5	2.8	7	90	5112436 111111	3	2	1-2-5-6	5
3CB6	2.8	38	55	5121431 111111	2	3	1-2-5-6	5	3FH5	2.8	70	70	1521416 111111	3	2	1-2-5	5
									3FQ5	2.8	60	70	1521416 111111	2	2	1-2-5	5
3CE5	2.8	30	20	5121436 111111	3	3	1-2-5-6	5	3FS5	2.8	44	10	5121436 111111	3	3	1-2-5-6	5
3CF6	2.8	40	90	5121431 111111	3	2	1-2-5-6	5	3FW7	2.8	20	48	6661245 111111	3	3	6-7-8	6
3CN3	2.8	0	80	6266661 611114	3	2	C	C	"	2.8	21	37	4511266 611111	3	3	1-2-3	1
3CS6	2.8	15	30	5121431 111111	2	4	1-2-5-6	5									
3CU3	2.8	30	50	6261611 611114	3	2	C	C	3FX7	2.8	37	21	6661245 111111	3	3	6-7-8	6
									"	2.8	37	21	4511266 611111	3	3	1-2-3	1
3CV3A	2.8	0	82	6266661 611114	2	3	C	C	3FY5	2.8	7	80	6521461 111111	2	3	2-5-7	5
"	No short test.								3GK5	2.8	30	90	1521466 111111	2	2	1-2-5	5
3CX3	2.8	0	50	6626666 111114	2	3	C	C	3GS8	2.8	40	50	1341215 661111	2	4	1-2-3-7	3
"	No short test.								"	2.8	40	50	1361265 411111	2	4	1-2-7-8	8
3CY3	3.8	0	90	6261611 111114	1	3	C	C	3GU5	2.8	15	50	5121436 111111	3	3	1-2-5-6	5
"	Good tube reads			above 30.													
3CY5	2.8	7	85	5112436 111111	2	3	1-2-5-6	5	3GW5	2.8	67	96	4512161 111111	3	2	1-2-5	1
3CZ3	2.8	0	42	6261611 611114	1	4	C	C	3HA5	2.8	90	96	5121466 111111	1	2	1-2-5	5
									3HF5	2.8	50	75	1521416 111111	3	2	1-2-5	5
3D6	2.8	29	5	1431156 211111	2	3	2-3-6	2	3HK5	2.5	25	80	5121466 111111	2	2	1-2-5	5
3DA3	2.8	0	50	6626666 111114	2	3	C	C	3HM5	2.8	90	96	5121466 111111	1	2	1-2-5	5
"	No short test.																
3DB3	2.8	0	90	6261611 111114	1	3	C	C	3HM6	2.8	50	30	1562114 361111	2	3	1-2-7-8	7
"	Good tube reads			above 30.					3HQ5	2.8	20	95	5121466 111111	2	2	1-2-5	5
3DC3	2.8	0	70	6261611 111114	1	3	C	C	3HS8	2.8	52	50	1361265 451111	4	3	1-2-7-8	8
3DE6	2.8	7	28	5121431 111111	3	3	1-2-7	5	"	2.8	80	85	1341255 661111	2	3	1-2-3-7	3
									3HT6	2.8	15	95	1561264 311111	2	2	1-2-7-8	7
3DF3	2.8	0	80	1121111 111114	3	2	-	C	3JC6	3.8	85	80	1562114 361111	3	2	1-2-7-8	7
"	No short test.																
3DG4	2.8	0	75	1621466 111111	2	1	5	5	3JD6	2.8	15	95	1561264 311111	2	2	1-2-7-8	7
"	2.8	0	75	1621614 111111	2	1	7	7	3KE8	2.8	13	30	1341215 661111	3	4	1-2-3-7	3
3DH3	3.8	0	38	6626666 111114	2	3	C	C	3KF8	2.8	40	90	1361265 411111	3	3	1-2-7-8	8
"	Good tube reads			above 40. No short test.					3KT6	3.8	60	75	1562114 361111	3	2	1-2-7-8	7



TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
4KT6	4.2	50	70	1562114 311111	3	2	1-2-7-8	7	5BC3	5.0	0	80	2611461 111111	2	1	5	5
4LJ8	4.2	40	85	5411266 661111	2	2	1-2-3	2	"	5.0	0	80	2611111 461111	2	1	8	8
"	4.2	50	85	6611243 651111	3	2	3-6-7-9	6	5BE8	5.0	30	80	6611243 151111	2	3	6-7-8-9	6
4LU6	4.2	84	84	5121431 111111	2	2	1-2-5-6	5	"	5.0	80	80	5411266 661111	2	2	1-2-3	2
4MK8	4.2	70	70	1341215 661111	4	3	1-2-3-7	3	5BK5	5.0	40	30	4151216 311111	4	2	1-3-6-9	1
"	4.2	35	70	1361265 411111	4	3	1-2-7-8	8	5BK7	5.0	65	85	6662145 111111	2	2	6-7-8	6
4M-P12	4.7	30	70	5121431 111111	3	2	1-2-5-6	5	"	5.0	65	85	4512166 611111	2	2	1-2-3	1
4M-P26	4.2	45	60	5121431 111111	2	2	1-2-5-6	5	5BQ7	5.0	75	75	6661245 111111	2	2	6-7-8	6
4RHH2	4.2	35	65	4512111 111111	3	2	1-2-3	1	"	5.0	75	75	4511266 611111	2	2	1-2-3	1
"	4.2	35	65	1112145 111111	3	2	6-7-8	6	5BR8	5.0	60	70	5411266 661111	2	2	1-2-3	2
4RHH8	4.2	35	35	6661245 111111	2	2	6-7-8	6	"	5.0	60	85	6661243 151111	3	2	6-7-8-9	6
"	4.2	35	35	4511266 611111	2	2	1-2-3	1	5BS8	5.0	13	20	4511266 611111	2	3	6-7-8	6
4RHH15	4.2	12	20	6661245 111111	3	2	6-7-8	6	"	5.0	13	20	6661245 111111	2	3	1-2-3	1
"	4.2	12	20	4511266 611111	3	2	1-2-3	1	5BT8	5.0	29	10	5511266 661111	3	2	1-2-3	1-2
5A6	5.0	7	30	3111235 661111	4	2	3-7	1	"	5.0	7	5	6661243 511111	4	6	6-7-8-9	6
5AF4	5.0	25	84	4521166 111111	1	1	1-2-5	1	5BW8	5.0	60	36	5151266 661111	1	4	1-2-3	1-3
5AM8	5.0	0	10	6661261 411111	1	2	7-8	8	"	5.0	0	56	6661251 341111	1	3	6-7-8-9	9
"	5.0	40	40	1531241 111111	2	3	1-2-3-6	6	5BZ7	5.0	30	20	6661245 111111	2	3	6-7-8	6
5AN8	5.0	50	35	4511266 661111	3	2	1-2-3	1	"	5.0	30	20	4511266 611111	2	3	1-2-3	1
"	5.0	40	32	6661243 511111	2	3	6-7-8-9	6	5CG4	5.0	0	35	1114161 211111	4	1	4	4
5AQ4	5.0	0	65	1214111 111111	2	1	4	4	"	5.0	0	35	1116141 211111	4	1	6	6
"	5.0	0	65	1211141 111111	2	1	6	6	5CG8	5.0	50	40	5411266 661111	3	2	1-2-3	2
5AQ5	5.0	70	34	5112436 111111	3	2	1-2-5-6	5	"	5.0	55	50	6611243 651111	2	3	3-6-7-9	6
5AR4	5.0	0	95	1114161 211111	1	1	4	4	5CL8	5.0	30	35	5412111 111111	3	2	1-2-3	2
"	5.0	0	95	1116141 211111	1	1	6	6	"	5.0	70	90	1112143 151111	3	2	6-7-8-9	6
5AS4	5.0	0	80	1211141 111111	2	1	6	6	5CM6	5.0	45	25	3651261 641111	4	2	1-3-7-9	9
"	5.0	0	80	1214111 111111	2	1	4	4	5CM8	5.0	7	65	6511243 661111	4	3	2-3-6-7	6
5AS8	5.0	77	97	3511261 641111	2	2	1-2-3-9	9	"	5.0	7	25	6611243 151111	4	4	3-6-7-9	6
"	5.0	0	10	6661246 161111	1	2	6-8	6	5CQ8	5.0	7	90	4661266 151111	3	2	1-8-9	1
5AT4	5.0	0	35	1114161 211111	4	1	4	4	"	5.0	20	100	6531241 661111	3	2	2-3-6-7	6
"	5.0	0	35	1116141 211111	4	1	6	6	5CR8	5.0	7	100	6511243 661111	2	3	2-3-6-7	6
5AT8	5.0	70	75	5411266 661111	1	3	1-2-3	2	"	5.0	7	35	4661266 151111	2	3	1-8-9	1
"	5.0	43	18	6611243 151111	3	3	6-7-9	6	5CU4	5.0	0	50	1114161 211111	4	1	1-4	4
5AU4	5.0	0	82	6166646 211111	4	1	6	6	"	5.0	0	50	1116141 211111	4	1	1-6	6
"	5.0	0	82	6164666 211111	4	1	4	4	5CZ5	5.0	20	30	3651261 641111	4	2	1-3-7-9	9
5AV8	4.7	35	30	1542111 111111	3	2	1-2-3	3	5CZ9	5.0	45	45	3152161 641111	3	2	1-3-7-9	9
"	4.7	70	80	1112151 341111	3	2	6-7-8-9	9	5DH8	5.0	75	75	6612143 151111	3	2	6-7-8-9	6
5AW4	5.0	0	37	6164666 211111	4	1	4	4	"	5.0	45	45	5412166 661111	2	3	1-2-3	2
"	5.0	0	37	6166646 211111	4	1	6	6	5DJ4	5.0	0	80	6264111 611111	2	1	4	4
5AX4	5.0	0	50	6164666 211111	4	1	4	4	"	5.0	0	80	6261461 611111	2	1	5	5
"	5.0	0	50	6164666 211111	4	1	6	6	5EA8	5.0	20	70	4661266 151111	3	2	1-8-9	1
5AZ3	5.0	0	40	1666646 666621	4	1	6	6	"	5.0	75	84	6531241 661111	3	2	2-3-6-7	6
"	5.0	0	40	1666664 666621	4	1	7	7	5EH8	5.0	7	17	1541266 661111	2	3	1-2-3	3
5AZ4	5.0	0	57	6164666 211111	4	1	4	4	"	5.0	7	100	6661215 341111	2	3	6-7-8-9	9
"	5.0	0	57	6166646 211111	4	1	6	6	5ES8	5.0	15	75	6661245 111111	2	2	6-7-8	6
5B8	5.0	26	12	1541266 661111	4	3	1-2-3	3	"	5.0	10	75	4511266 611111	2	2	1-2-3	1
"	5.0	7	23	6661251 341111	4	6	6-7-8-9	9	5EU8	4.7	75	80	1542111 111111	2	2	2-3-6	3
										4.7	80	80	4112111 131111	3	2	1-7-8-9	1

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
5EW6	5.0	85	82	5121431 111111	3	2	1-2-5-6	5	5RDDH1	4.7	0	75	4112111 111111	2	1	1-2	1
5FG7	4.7	45	85	5411266 661111	2	2	1-2-3	2	"	4.7	0	75	1112141 111111	2	1	3-6	6
"	4.7	65	85	6611243 651111	3	2	3-6-7-9	6	"	4.7	40	70	1112114 511111	1	4	7-8-9	7
5FV8	5.0	60	85	6662143 151111	3	2	6-7-8-9	6	5RHP1	4.7	35	70	4661266 151111	2	2	1-8-9	1
"	5.0	60	70	5412166 661111	2	2	1-2-3	2	"	4.7	50	70	6531241 661111	4	2	2-3-6-7	6
5GH8	5.0	25	62	6531241 661111	2	3	2-3-6-7	6	5RHR1	5.0	60	70	4661266 151111	2	2	1-8-9	1
"	5.0	50	84	4661266 151111	2	2	1-8-9	1	"	5.0	80	94	6531241 661111	2	2	2-3-6-7	6
5GJ7	5.0	46	46	1561243 661111	2	3	1-2-6-7	6	5T4	5.0	0	30	6164666 211111	4	1	4	4
"	5.0	22	50	1661266 451111	2	2	1-8-9	8	"	5.0	0	30	6166646 211111	4	1	6	6
5GM6	5.0	30	70	5121436 111111	4	2	1-2-5-6	5	5T8	5.0	50	50	5661251 661111	3	5	1-7	1
5GS7	5.0	45	45	5412166 661111	2	2	1-2-3	2	"	5.0	50	50	6661261 541111	3	3	7-8-9	9
"	5.0	45	80	6612143 651111	3	2	3-6-7-9	6	"	5.0	50	50	6511266 661111	3	4	2-3	2
5GX6	5.0	80	90	5121431 111111	4	2	1-2-5-6	5	"	5.0	50	50	5661251 661111	3	5	6-7	6
5GX7	5.0	70	75	1562143 661111	3	2	1-2-6-7	6	5U4	5.0	0	35	1211141 111111	4	1	6	6
"	5.0	45	40	1662166 451111	3	2	1-8-9	8	"	5.0	0	35	1214111 111111	4	1	4	4
5HA7	5.0	55	65	2411611 611511	3	3	2-3-11	2	5U8	5.0	55	90	4661216 151111	2	2	1-8-9	1
"	5.0	55	65	2111611 654111	3	2	4-9-10	10	"	5.0	44	73	6531241 661111	2	3	2-3-6-7	6
5HB7	4.7	75	80	1562143 661111	3	2	1-2-6-7	6	5U9	6.3	50	50	1611216 141115	1	3	1-9-C	9
"	4.7	50	60	1662166 451111	3	2	1-8-9	8	"	6.3	35	40	6151214 311111	1	4	2-3-7-8	7
5HC7	5.0	70	90	2111114 156111	2	2	4-7-9	7	5V3	5.0	0	25	6164666 211111	3	1	4	4
"	5.0	60	60	2411111 111511	2	3	2-3-11	2	"	5.0	0	25	6166646 211111	3	1	6	6
5HG8	5.0	30	40	1561266 431111	2	3	1-2-8-9	8	5V4	5.0	0	80	1114111 211111	2	1	4	4
"	5.0	93	90	1661254 661111	1	2	1-6-7	7	"	5.0	0	80	1111141 211111	2	1	6	6
5HZ6	4.7	20	75	5121431 111111	3	3	1-2-5-6	5	5V6	4.7	40	40	6143562 111111	4	2	3-4-5-8	3
5J6	4.7	20	34	6412561 111111	2	3	2-5-7	2	5V9	5.0	65	65	1153214 111111	1	4	1-3-4-7	7
"	4.7	20	34	4612651 111111	2	3	1-6-7	1	"	5.0	55	55	1111211 511114	1	3	8-9-C	C
5JK6	5.0	20	23	5121431 111111	2	3	1-2-5-6	5	5W4	5.0	0	46	1211141 111111	4	1	4-6	6
5JL6	5.0	75	70	5121431 111111	3	2	1-2-5-6	5	"	5.0	0	46	1214111 111111	4	1	4	4
5JW8	4.7	85	80	4112111 151111	3	2	1-8-9	1	5X3	5.0	0	60	2141111 111111	4	1	2-3	3
"	4.7	85	80	1532141 111111	3	2	2-3-6-7	6	"	5.0	0	60	2141111 111111	4	1	2	2
5KD8	5.0	25	82	4661266 151111	2	2	1-8-9	1	5X4	5.0	0	40	1161411 211111	4	1	5	5
"	5.0	80	100	6531241 661111	2	2	2-3-6-7	6	"	5.0	0	40	1141611 211111	4	1	3	3
5KE8	5.0	70	80	1532141 111111	3	2	2-3-6-7	6	5X8	4.7	20	30	1662115 341111	3	3	6-7-8-9	9
"	5.0	75	75	4112111 151111	2	2	1-8-9	1	"	4.7	20	90	1542116 611111	2	2	2-3	3
5KZ8	5.0	95	90	4112111 151111	1	2	1-8-9	1	5X9	6.3	65	65	1611216 141115	1	4	1-9-C	9
"	5.0	45	50	1512143 111111	2	3	2-3-6-7	6	"	6.3	45	45	6151214 311111	1	4	2-3-7-8	7
5LJ8	5.0	40	85	5411266 661111	2	2	1-2-3	2	5Y3	5.0	0	85	1211141 111111	2	1	6	6
"	5.0	50	85	6611243 651111	3	2	3-6-7-9	6	"	5.0	0	85	1214111 111111	2	1	4	4
5MB8	4.7	40	42	6662143 151111	2	3	6-7-8-9	6	5Y4	5.0	0	57	1161411 211111	4	1	5	5
"	4.7	25	30	5412166 661111	2	3	1-2-3	2	"	5.0	0	57	1141611 211111	4	1	3	3
5MHH3	4.7	45	60	6421561 111111	3	2	2-5-7	2	5Z3	5.0	0	35	1462111 111111	4	1	2	2
"	4.7	45	60	4621651 111111	3	2	1-6-7	1	"	5.0	0	35	1642111 111111	4	1	3	3
5MK9	5.0	0	75	6621466 111111	2	1	5	5	5Z4	5.0	0	40	1114161 211111	4	1	4	4
5MQ8	5.0	75	75	4112111 151111	2	2	1-8-9	1	"	5.0	0	40	1116141 211111	4	1	6	6
"	5.0	49	13	1532141 111111	2	3	2-3-6-7	6	6A3	6.3	7	65	1432111 111111	4	2	2-3	2
5P29	6.3	55	70	1113512 111114	2	2	4-5-8-C	C	6A4	6.3	7	73	2453111 111111	4	2	2-3-4	2
5R4	5.0	0	83	6164666 211111	2	1	4	4	6A5	6.3	7	79	1231511 611111	4	1	5	3
"	5.0	0	83	6166646 211111	2	1	6	6	6A6	6.3	17	94	2351531 111111	3	3	2-3-4-5-6	2-6



TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6AR6	6.3	7	73	1142425 111111	4	1	1-3-5-7	3	6AZ5	6.3	0	80	6611621 411111	2	3	2-8	8
6AR8	6.3	20	20	1142151 441111	4	3	3-6-8-9	8-9	"	6.3	0	80	4111626 611111	2	3	1-2	1
6AR11	6.3	75	90	2431511 111111	3	2	2-3-5-6	2	6AZ8	6.3	80	70	4312151 111111	3	2	1-2-3	1
"	6.3	75	90	2111111 435111	3	2	8-9-10-11	8	"	6.3	55	45	1112111 451111	3	2	7-8-9	8
6AS5	6.3	7	25	1512634 111111	4	2	1-2-6-7	7	6B3	6.3	0	50	6461266 661111	4	1	2-C	2
6AS6	6.3	30	40	5121431 111111	3	3	1-2-5-6	5	6B4	6.3	55	70	1241511 111111	3	2	2-3	3
6AS7	6.3	7	80	1115412 111111	1	1	4-5-6	5	6B6	6.3	7	41	1246611 111115	2	5	3-4-5-8-C	3
"	6.3	7	80	5411112 111111	1	1	1-2-3	2	"	6.3	7	25	1246611 111115	4	6	4-5	4-5
6AS8	6.3	77	97	3511261 641111	2	2	1-2-3-9	9	6B7	6.3	78	12	2436611 111115	3	3	*	2
"	6.3	0	10	6661246 161111	1	2	6-8	6	"	*2-3-4-5-6-C							
6AS11	6.3	35	65	1411111 113521	3	2	2-9-10-11	2	"	6.3	7	20	2436611 111115	4	6	4-5	4-5
"	6.3	30	90	1111151 411121	2	3	5-6-8	8	6B8	6.3	30	60	6146632 111115	3	3	3-6-8	3
"	6.3	30	45	1154111 111121	2	3	3-4-7	4	"	6.3	85	85	6165562 111116	2	4	4-5-8	4-5
6AT6	6.3	13	93	5121664 111111	1	4	2-7	7	6B10	6.3	50	60	2154111 111611	3	2	2-3-4	4
"	6.3	67	36	1121551 111111	2	6	5-6	5-6	"	6.3	50	60	2111541 111611	3	2	5-6-7	6
6AT8	6.3	70	75	5411266 661111	1	3	1-2-3	2	"	6.3	0	20	2111111 414611	1	2	8-9-10	8-10
"	6.3	43	18	6611243 151111	3	3	6-7-9	6	6B32	6.3	90	90	1521115 111111	4	2	1-2-5-7	2-7
									6BA3	6.3	0	35	6662164 611111	4	1	7-9	7
6AU4	6.3	0	10	6611411 211111	1	2	3-5	5	6BA5	6.3	20	62	5111423 111111	3	3	1-5-7-8	5
6AU5	6.3	25	90	5111412 311111	3	1	1-3-5-8	5	6BA6	6.3	75	90	5121431 111111	3	2	1-5-6-7	5
6AU6	6.3	70	89	5112431 111111	3	2	1-5-6-7	5	6BA7	6.3	20	90	3512115 141111	2	3	1-2-3-9	9
6AU7	6.3	20	80	4512111 161111	3	2	1-2-3	1	6BA8	6.3	70	70	1541266 661111	2	2	1-2-3	3
"	6.3	20	80	1112145 161111	3	2	6-7-8	6	"	6.3	75	75	6661215 341111	2	2	6-7-8-9	9
6AU8	6.3	80	80	1541266 661111	2	2	1-2-3	3	6BA11	6.3	85	85	2635646 166611	3	3	3-4-6-8	6
"	6.3	80	80	6661215 341111	2	2	6-7-8-9	9	"	6.3	85	85	2435666 166611	3	3	2-3-4-8	2
									"	6.3	57	57	2666666 651411	3	2	9-10-11	11
6AV5	6.3	10	80	5111412 311111	4	1	1-3-5-8	5	6BB14A	6.3	30	50	5612136 611114	3	1	1-3-6-C	C
6AV6	6.3	25	85	5121664 111111	3	3	1-2-7	7	6BC4	6.3	20	87	3562116 661111	3	2	1-2-6	1
"	6.3	25	14	5121664 111111	4	6	5-6	5-6	6BC5	6.3	30	20	5121436 111111	3	3	1-2-5-6	5
6AV11	6.3	50	95	2111111 654111	2	2	4-9-10	10	6BC7	6.3	47	47	1561266 111111	3	4	1-2	2
"	6.3	50	95	2111415 111111	2	2	5-6-7	5	"	6.3	47	47	6661251 661111	3	4	6-7	6
"	6.3	50	95	2411111 111511	2	2	2-3-11	2	"	6.3	47	47	6661266 511111	3	4	8-9	8
6AW6	6.3	19	39	5121431 111111	3	3	1-2-7	5	6BC8	6.3	20	10	6661245 111111	2	3	6-7-8	6
6AW8	6.3	50	50	6662115 341111	3	2	6-7-8-9	9	"	6.3	20	10	4511266 611111	2	3	1-2-3	1
"	6.3	72	72	1542166 661111	3	2	1-2-3	3									
6AX3	6.3	0	80	2114111 116111	2	1	4-7	4	6BD4	6.3	50	55	1111512 111114	4	4	1-5-C	C
6AX4	6.3	0	32	6611412 111111	3	1	3-5	5	6BD5GT	6.3	7	90	5111412 311111	4	1	1-3-5-8	5
6AX5	6.3	0	60	6141612 111111	4	1	3-8	3	6BD6	6.3	8	34	5112431 111111	3	3	1-5-6-7	5
"	6.3	0	60	6161412 111111	4	1	5-8	5	6BD11	6.3	60	50	1411111 113521	3	2	2-9-10-11	2
6AX7	6.3	40	76	4511266 111111	2	3	1-2-3	1	"	6.3	37	25	1154111 111121	2	3	3-4-7	4
"	6.3	40	76	6661245 161111	2	3	6-7-8	6	"	6.3	37	25	1111151 411121	2	3	5-6-8	8
6AX8	6.3	55	90	4661266 151111	2	2	1-8-9	1	6BE3	6.3	0	100	2114111 116111	1	1	4-7	4
"	6.3	25	35	6531241 661111	3	3	2-3-6-7	6									
6AY3	6.3	0	25	6662164 611111	3	1	7-9	7	6BE6	6.3	30	55	5121431 111111	3	3	1-2-5-7	5
6AY11	6.3	0	7	2146666 666611	1	2	2-3	3	6BE7	6.3	65	92	3312145 631111	1	4	1-3-6	6
"	6.3	38	60	2661546 666611	1	4	4-5-6	6	6BE8	6.3	80	55	6611243 151111	2	3	6-7-8-9	6
"	6.3	40	61	2661664 516611	1	4	7-8-9	7	"	6.3	70	83	5411266 661111	2	2	1-2-3	2
"	6.3	0	7	2661666 614111	1	2	10-11	10	6BF5	6.3	25	60	5112436 111111	2	2	1-2-5-6	5

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6BF6	6.3	85	90	1121551 111111	3	4	5-6	5-6	6BN4	6.3	45	53	1512466 111111	1	3	1-2-5	5
"	6.3	85	90	5121664 111111	2	2	1-2-7	7	6BN5	6.3	25	50	5611214 631111	2	3	1-3-6-7-9	7
6BF7	6.3	15	30	6616125 411111	3	3	5-7-8	8	6BN6	6.3	44	90	1512314 111111	2	4	1-2-5-7	7
"	6.3	15	30	4511616 611111	3	3	1-2-4	1	6BN7	6.3	25	75	1512314 111111	2	4	1-2-5-6-7	7
6BF8	6.3	65	75	5662116 661111	2	4	1-6	1	6BN8	6.3	0	30	4112111 111111	1	2	1-2	1
"	6.3	65	75	6562116 661111	2	4	2	2	"	6.3	0	30	1112141 111111	1	2	3-6	6
"	6.3	65	75	6652116 661111	2	4	3	3	"	6.3	70	65	1112114 511111	3	2	7-8-9	7
"	6.3	65	75	6662115 661111	2	4	7	7	"	6.3	80	85	2153411 111111	3	2	2-3-4-5	5
"	6.3	65	75	6662116 561111	2	4	8	8	6BN11	6.3	80	85	2111115 131411	3	2	7-8-9-11	11
"	6.3	65	75	6662116 651111	2	4	9	9	"	6.3	80	85	2111115 131411	3	2	7-8-9-11	11
6BF11	6.3	52	70	2151134 111111	3	3	2-3-6-7	7	6BQ5	6.3	60	95	6512164 631111	4	1	2-3-7-9	7
"	6.3	50	55	2111111 513411	2	2	8-9-10-11	11	6BQ6	6.3	90	90	1163562 111114	1	2	4-5-8-C	C
6BG6	6.3	85	90	1211511 311114	4	1	3-5-8-C	C	6BQ7	6.3	75	75	6661245 111111	2	2	6-7-8	6
"	6.3	85	90	1211511 311114	4	1	3-5-8-C	C	"	6.3	75	75	4511266 611111	2	2	1-2-3	1
6BG7	6.3	15	30	3521115 311111	3	3	2-4-5-7	1-8	6BR3	6.3	0	70	6662166 641111	2	1	9-C	9
6BH3	6.3	0	45	6662164 611111	4	1	7-9	7	"	6.3	0	70	6662166 641111	2	1	9-C	9
6BH6	6.3	65	55	5121431 111111	2	3	1-2-5-6	5	6BR5	6.3	0	54	1162164 641111	3	3	1-7-9	7
6BH8	6.3	40	40	1541266 661111	3	2	1-2-3	3	"	6.3	0	54	1162161 641111	3	3	7	7
"	6.3	30	30	6661215 341111	2	3	6-7-8-9	9	6BR7	6.3	90	90	6661255 161111	3	3	6-7-8	6-7
6BH11	6.3	65	75	2145111 111111	2	2	2-3-4	3	"	6.3	75	75	4511266 661111	3	2	1-2-3	1
"	6.3	65	75	2111154 111111	2	2	5-6-7	7	6BR8	6.3	60	70	5411266 661111	2	2	1-2-3	2
"	6.3	80	85	2111111 534111	3	2	8-9-10-11	10	"	6.3	60	85	6661243 151111	3	2	6-7-8-9	6
6BJ3	6.3	0	75	2114111 116111	2	1	4-7	4	6BS3	6.3	0	75	6662164 611111	2	1	7-9	7
6BJ5	6.3	78	96	5112413 111111	2	3	1-2-5-7	5	6BS8	6.3	13	20	6661245 111111	2	3	6-7-8	6
6BJ6	6.3	55	26	5121431 111111	2	3	1-2-5-6	5	"	6.3	13	20	4511266 611111	2	3	1-2-3	1
6BJ7	6.3	47	47	1561266 111111	3	4	1-2	2	6BT6	6.3	7	80	5121663 111111	4	4	1-2-5-6	7
"	6.3	47	47	6661251 661111	3	4	6-7	6	"	6.3	7	20	5121663 111111	4	6	5-6	5-6
"	6.3	47	47	6661266 511111	3	4	8-9	8	6BT8	6.3	0	5	5511266 661111	4	6	1-2-3	1-2
6BJ8	6.3	50	60	5161266 661111	1	6	1-2	1	"	6.3	29	100	6661243 511111	3	2	6-7-8-9	6
"	6.3	50	60	6611256 661111	1	6	3-6	6	6BU4	6.3	75	95	1166562 611114	4	4	1-5-C	C
"	6.3	7	45	6661264 511111	2	3	7-8-9	7	6BU5	6.3	20	15	6135161 211114	3	5	3-4-5-C	C
6BK4	6.3	60	60	1166562 611114	3	4	1-5-C	C	6BU6	6.3	7	0	5121664 111111	4	3	1-2-5-6	7
"	Good tube reads above 40.								"	6.3	7	25	5121664 111111	4	6	5-6	5-6
6BK5	6.3	40	30	4151216 311111	4	2	1-3-6-9	1	6BU8	6.3	70	90	1341215 661111	2	3	1-2-3-7	3
6BK6	6.3	7	90	5121663 111111	4	4	1-2-5-6	7	"	6.3	40	50	1361265 411111	2	4	1-2-7-8	8
"	6.3	7	20	5121663 111111	4	6	5-6	5-6	6BV8	6.3	50	50	6661256 161111	4	3	6-8	6
6BK7	6.3	65	85	6662145 111111	2	2	6-7-8	6	"	6.3	50	50	6661261 651111	4	3	7-9	9
"	6.3	65	85	4512166 611111	2	2	1-2-3	1	"	6.3	15	15	1541261 661111	2	3	1-2-3	3
6BK8	6.3	55	60	5112141 151111	3	4	1-3-6-9	6	6BV11	6.3	40	40	2143151 111111	3	3	3-4-5-6	3
6BK11	6.3	50	50	2111111 654111	3	3	4-9-10	10	"	6.3	40	40	2111115 134111	3	3	7-8-9-10	10
"	6.3	50	50	2111415 111111	3	3	5-6-7	5	6BW3	6.3	0	66	2114661 666111	2	1	4-7	4
"	6.3	50	50	2411111 111511	3	3	2-3-11	2	6BW4	6.3	0	50	6661264 611111	1	2	7-9	7
6BL4	6.3	0	10	6616461 211111	4	1	1-5	5	"	6.3	0	50	4661266 611111	1	2	1-9	1
6BL7	6.3	50	55	1115412 111111	2	2	4-5-6	5	"	6.3	0	50	4661266 611111	1	2	1-9	1
"	6.3	50	55	5411112 111111	2	2	1-2-3	2	6BW6	6.3	40	70	5612164 311111	3	2	1-3-7-8	7
6BL8	6.3	35	70	4661266 151111	2	2	1-8-9	1	6BW8	6.3	70	70	5151266 661111	3	4	1-2-3	1-3
"	6.3	50	70	6531241 661111	4	2	2-3-6-7	6	"	6.3	70	90	6661251 341111	3	2	6-7-8-9	9
6BM8	6.3	70	85	5662166 141111	3	2	1-8-9	9	6BW11	6.3	45	70	2111111 431511	3	2	8-9-10-11	8
"	6.3	30	55	6152143 661111	2	2	2-3-6-7	6	"	6.3	70	82	2153411 111111	3	2	2-3-4-5	5



TUBE	FIL.	GR.	PL.	LEVERS		V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS		V	S	LEAK	MERIT
6CR6	6.3	15	30	1612435	111111	4	3	1-5-6-7	5	6DE4	6.3	0	75	6611412	111111	2	1	3-5	5
"	6.3	7	23	1512666	111111	4	6	1-2	2	6DE6	6.3	70	85	5121431	111111	3	2	1-2-5-6	5
6CR8	6.3	14	10	6511243	661111	3	3	2-3-6-7	6	6DE7	6.3	75	75	1112145	111111	3	2	6-7-8	6
"	6.3	15	20	4661266	151111	2	3	1-8-9	1	"	6.3	40	40	4562111	111111	3	1	1-2-9	1
6CS6	6.3	15	30	5121431	111111	2	4	1-2-5-6	5	6DG6	6.3	7	93	6143562	111111	3	1	3-4-5-8	3
6CS7	6.3	75	90	6661245	161111	2	2	6-7-8	6	6DG7	6.3	58	98	1511214	311111	3	2	2-3-7-8	7
"	6.3	25	80	4651266	611111	2	2	1-3-9	1										
6CS8	6.3	72	90	6511243	661111	3	2	2-3-6-7	6	6DJ8	6.3	50	50	6662145	111111	2	2	6-7-8	6
"	6.3	67	96	4661266	151111	3	2	1-8-9	1	"	6.3	50	50	4512166	611111	2	2	1-2-3	1
6CT3	6.3	0	64	6462166	611111	2	1	2-9	2	6DK3	6.3	0	67	1462166	661111	2	1	2-C	2
6CU5	6.3	23	90	1521634	111111	3	1	1-2-6-7	7	6DK6	6.3	65	85	5121431	111111	3	2	1-2-5-6	5
6CU6	6.3	90	90	1163562	111114	1	2	4-5-8-C	C	6DL3	6.3	0	67	6462166	661111	2	1	2-C	2
6CU8	6.3	7	45	1431215	141111	3	3	2-6-7	2	6DL4	6.3	55	65	5162166	461111	2	2	1-2-8	8
"	6.3	7	65	1661266	541111	3	2	1-8-9	9	6DL5	6.3	7	92	5121436	111111	3	2	1-2-6	5
6CV7	6.3	15	75	1451661	211111	4	3	3-5-6-7	2	6DM4	6.3	0	65	6611412	111111	2	1	3-5	5
"	6.3	15	20	1451661	211111	4	6	5-6	5-6	6DN3	6.3	0	66	6461266	611111	2	1	2-9	2
6CW4	6.3	20	75	1415111	112111	1	3	2-4-8	2	6DN6	6.3	7	65	1211511	311114	2	1	3-5-8-C	C
6CW5	6.3	25	35	6512164	631111	2	2	2-3-7-9	7	6DN7	6.3	30	35	1115412	111111	2	3	4-5-6	5
6CX7	6.3	37	21	6661245	161111	3	3	6-7-8	6	"	6.3	80	15	5415412	111111	2	2	1-2-3	2
"	6.3	37	21	4511266	661111	3	3	1-2-3	1	6DQ3	6.3	0	67	2664661	666611	2	1	4-7	4
6CX8	6.3	85	85	1541266	661111	2	2	1-2-3	3	6DQ4	6.3	0	80	6611412	111111	2	1	3-5	5
"	6.3	75	75	6661215	341111	2	2	6-7-8-9	9	6DQ5	6.3	50	50	5213661	611114	1	2	1-3-4-C	C
6CY5	6.3	7	65	5112436	111111	2	3	1-2-5-6	5	6DQ6	6.3	84	91	1163562	111114	2	1	4-5-8-C	C
6CY7	6.3	55	70	4652111	111111	2	1	1-3-9	1	6DR4	6.3	50	55	4612651	111111	3	3	1-6-7	1
"	6.3	50	55	1612145	111111	3	3	6-7-8	6	6DR7	6.3	28	28	1112145	111111	4	3	6-7-8	6
6CZ5	6.3	45	45	3152161	641111	3	2	1-3-7-9	9	"	6.3	28	28	4562111	111111	1	2	1-2-9	1
6D1	6.3	50	55	4612651	111111	3	3	1-6-7	1	6DR8	6.3	20	65	3511246	611111	2	3	1-2-3-6	6
6D4	6.3	0	70	5612164	111111	2	1	1-5-7	7	"	6.3	0	30	1111214	611111	2	3	7-8	7-8
6D6	6.3	32	21	1431121	111115	3	3	2-3-5-C	2	6DS4	6.3	75	75	1415111	112111	2	2	2-4-8	2
6D7	6.3	15	45	2431111	111115	2	4	2-3-6-C	2	6DS5	6.3	7	40	5112436	111111	2	3	1-2-5-6	5
6D8	6.3	7	0	1243141	111111	2	4	3-4-5-8	3	6DS8	6.3	45	53	6612166	451111	3	2	3-8-9	8
"	6.3	7	75	1243141	111111	2	4	6	6	"	6.3	40	50	3512146	661111	3	3	1-2-3-6	6
6D10	6.3	70	70	1411415	611521	4	2	*	2-5	6DT3	6.3	0	96	2664661	666611	1	1	4-7	4
"	6.3	50	50	1111111	654121	4	2	4-9-10	10	6DT4	6.3	0	80	6611412	111111	2	1	3-5	5
6DA4	6.3	0	65	6611412	111111	2	1	3-5	5	6DT5	6.3	30	30	3152161	641111	3	2	1-3-7-9	9
6DA5	6.3	7	25	5162164	641111	4	5	1-2-7-9	9	6DT6	6.3	29	86	5121431	111111	3	3	1-2-5-6	5
"	6.3	7	75	5162161	641111	4	5	9	9	6DT8	6.3	30	90	6662145	111111	3	2	6-7-8	6
6DA6	6.3	35	40	1512114	311111	2	3	2-3-7-8	7	"	6.3	30	90	4512166	611111	3	2	1-2-3	1
6DA7	6.3	80	0	6661245	161111	3	2	6-7-8	6	6DU3	6.3	0	67	2664661	666611	2	1	4-7	4
"	6.3	37	21	4651266	611111	3	3	1-3-9	1	6DV4	6.3	7	15	4665661	611121	1	3	1-4-7	1
6DB5	6.3	7	85	3151266	641111	1	3	1-2-3-6-8	9	6DW4	6.3	0	100	6662164	611111	1	1	7-9	7
6DB6	6.3	7	85	5121431	111111	3	3	1-2-5-6	5	6DW5	6.3	60	70	3651261	641111	3	1	1-3-7-9	9
6DC6	6.3	7	9	5121431	111111	3	3	1-2-7	5	6DX4	6.3	10	40	4521166	111111	2	2	1-2-5	1
6DC8	6.3	60	60	3511246	661111	4	2	1-2-3-6	6	6DX8	6.3	30	55	5412111	111111	2	3	1-2-3	2
"	6.3	80	90	6611265	561111	3	4	3-7-8	7-8	"	6.3	30	20	1112141	531111	2	3	6-7-8-9	6
										6DY4	6.3	10	40	4521166	111111	1	1	1-2-5	1

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6DY5	6.3	40	50	6511264 631111	2	3	2-3-7-9	7	6EU7	6.3	26	80	1216664 511111	3	3	7-8-9	7
6DZ4	6.3	50	90	4521166 111111	1	2	1-2-5	1	"	6.3	26	80	1211546 661111	3	3	4-5-6	6
6DZ7	6.3	20	90	5143662 111111	2	2	1-3-4-8	3	6EU8	6.3	7	28	6541216 661111	2	3	2-3-6	3
"	6.3	20	90	6163542 111111	2	2	4-5-6-8	6	"	6.3	14	95	4661265 131111	2	3	1-7-8-9	1
6DZ8	6.3	7	90	6151243 661111	2	3	2-3-6-7	6	6EV5	6.3	60	60	5121436 111111	3	2	1-2-5-6	5
"	6.3	7	50	5661266 141111	2	2	1-8-9	9	6EV7	6.3	20	10	1112145 111111	3	3	6-7-8	6
6E5	6.3	7	80	2454111 111111	4	4	2-3-4-5	4	"	6.3	20	10	4512111 111111	3	3	1-2-3	1
6E6	6.3	40	80	2351531 111111	3	2	2-3-4-5-6	2-6	6EW6	6.3	85	82	5121431 111111	3	2	1-2-5-6	5
6E7	6.3	27	27	2431111 111115	3	3	2-3-6-C	2	6EW7	6.3	70	70	1112145 111111	1	3	6-7-8	6
6E8	6.3	7	30	1243541 111111	2	4	3-4-5-6-8	3	"	6.3	60	60	4562111 111111	2	1	1-2-9	1
"	6.3	15	35	1243541 111111	2	4	6	6	6EX6	6.3	35	50	1211511 311114	3	2	3-5-8-C	C
6EA4	6.3	50	40	2666151 666614	4	4	5-6-C	C	6EY6	6.3	15	60	6143562 111111	4	2	3-4-5-8	3
6EA5	6.3	70	75	5121436 111111	3	2	1-2-5-6	5	6EZ5	6.3	60	40	6143562 111111	3	2	3-4-5-8	3
6EA7	6.3	15	82	1115412 111111	4	3	4-5-6	5	6EZ8	6.3	38	34	1541266 661111	2	3	1-2-3	3
"	6.3	20	70	5411112 111111	2	1	1-2-3	2	"	6.3	38	34	6661245 661111	2	3	6	6
6EA8	6.3	20	70	4661266 151111	3	2	1-8-9	1	"	6.3	39	39	6661266 451111	2	3	8	8
"	6.3	75	84	6531241 661111	3	2	2-3-6-7	6	6F5	6.3	25	45	1114112 111115	4	3	4-8-C	4
6EB5	6.3	40	50	1521115 111111	4	4	1-2-5-7	2-7	6F6	6.3	67	19	6143562 111111	4	2	3-4-5-8	3
6EB8	6.3	70	70	1541266 661111	4	2	1-2-3	3	6F7	6.3	15	50	2433511 111115	4	3	*	2
"	6.3	75	75	6661215 341111	2	2	6-7-8-9	9	"	6.3	15	98	2433511 111115	4	3	4	4
6EC4▲	6.3	0	65	6412166 661111	2	1	2-C	2	6F8	6.3	37	30	1231531 111115	3	3	*	3-6
6ED4▲	6.3	60	15	1662166 561114	4	5	1-8-C	C	"	6.3	37	30	1231531 111115	3	3	*	3-6
6EF4	6.3	40	60	2666156 616614	4	4	5-6-C	C	6F19	6.3	45	60	1562114 311111	2	3	1-2-7-8	7
6EH4	6.3	70	75	2611151 161614	3	4	5-6-C	C	6F21	6.3	25	70	5112413 111111	3	3	1-2-5-7	5
6EH5	6.3	47	47	1512634 111111	2	2	1-2-6-7	7	6F22	6.3	20	30	3112141 151111	4	3	1-3-6-9	6
6EH7	6.3	30	40	1561214 311111	2	3	1-2-7-8	7	6F26	6.3	45	60	1562114 311111	2	3	1-2-7-8	7
6EH8	6.3	20	65	1541266 661111	3	2	1-2-3	3	6F29	6.3	30	40	1561214 311111	2	3	1-2-7-8	7
"	6.3	20	75	6661215 341111	2	3	6-7-8-9	9	6F30	6.3	53	76	1561214 311111	3	2	1-2-7-8	7
6EJ4	6.3	70	90	2611151 161614	3	4	5-6-C	C	6F33	6.3	30	40	5121431 111111	3	3	1-2-5-6	5
6EJ7	6.3	53	76	1561214 311111	3	2	1-2-7-8	7	6F35	6.3	7	78	5121436 111111	2	3	1-2-5-6	5
6EL4	6.3	20	50	1166562 611114	4	5	1-5-C	C	6FA7	6.3	45	84	4161215 311111	2	3	1-6-7-8	1
6EL7	6.3	53	100	1561214 311111	3	2	1-2-7-8	7	"	6.3	45	84	6161215 341111	2	3	6-7-8-9	9
6EM5	6.3	10	60	3651261 641111	3	2	1-3-7-9	9	"	6.3	0	39	6141216 661111	1	3	3-6	3
6EM7	6.3	47	60	1115412 111111	1	4	4-5-6	5	6FC7	6.3	77	85	6661251 641111	3	2	6-7-9	9
"	6.3	97	85	5411112 111111	1	1	1-2-3	2	"	6.3	77	85	1541266 661111	3	2	1-2-3	3
6EN4	6.3	95	55	1266561 611114	3	4	1-5-C	C	6FD6	6.3	25	25	5112431 111111	2	3	1-5-6-7	5
6EQ7	6.3	65	50	6611266 561111	3	5	3-8	8	6FD7	6.3	35	60	1112145 111111	3	3	6-7-8	6
"	6.3	61	22	1511234 661111	2	3	2-3-6-7	7	"	6.3	90	92	4562111 111111	1	1	1-2-9	1
6ER5	6.3	35	100	1521466 111111	2	2	1-2-5	5	6FE5	6.3	70	75	1243511 111111	3	1	3-4-6-8	3
6ES5	6.3	20	15	6521461 111111	2	3	2-5-7	5	6FG5	6.3	25	25	5121436 111111	4	3	1-2-5-6	5
6ES8	6.3	7	60	6661245 111111	2	2	6-7-8	6	6FG6	6.3	7	75	5612144 641111	4	4	1-3-6-7-9	9
"	6.3	7	60	4511266 611111	2	2	1-2-3	1	"	6.3	7	75	5612143 641111	4	4	9	9
6ET7	6.3	17	72	6661215 341111	3	2	6-7-8-9	9	6FG7	6.3	45	85	5411266 661111	2	2	1-2-3	2
"	6.3	62	50	1561266 661111	2	6	1-2	2	"	6.3	65	85	6611243 651111	3	2	3-6-7-9	6
"	6.3	60	50	1651266 661111	2	6	1-3	3	6FH5	6.3	10	21	6521461 111111	2	3	2-5-7	5
									6FH6	6.3	20	20	1163562 111114	2	2	4-5-8	C

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6FH8	6.3	7	70	6541266 661111	2	3	2-3	3	6GE8	6.3	7	80	6151246 661111	2	1	2-3-6	6
"	6.3	7	85	4661253 661111	4	3	1-6-7	1	"	6.3	7	85	3661261 541111	4	3	1-7-8-9	9
"	6.3	7	65	6661253 461111	1	5	6-7-8	8	6GF5	6.3	50	70	2351664 666611	3	1	2-3-4-7	7
"	6.3	7	60	6661253 641111	4	3	6-7-9	9	6GF7	6.3	45	60	1112111 451111	1	4	1-8-9	8
6FJ7	6.3	25	55	2151461 111111	2	2	3-5-7	5	"	6.3	80	50	6512141 111111	2	1	2-3-6	6
"	6.3	45	75	2111161 115411	3	2	9-10-11	11	6GH8	6.3	25	62	6531241 661111	2	3	2-3-6-7	6
6FM7	6.3	18	32	2111111 615411	2	4	9-10-11	11	"	6.3	50	84	4661266 151111	2	2	1-8-9	1
"	6.3	50	50	2151461 611111	2	1	3-5-7	5	6GJ5	6.3	55	95	3512166 161114	2	1	1-2-3-C	C
6FM8	6.3	26	87	6661261 541111	1	4	7-8-9	9	"	6.3	46	46	1561243 661111	2	3	1-2-6-7	6
"	6.3	0	100	1661246 661111	1	1	1-6	6	6GJ7	6.3	22	50	1661266 451111	2	2	1-8-9	8
"	6.3	0	100	6411266 661111	1	1	2-3	2	"	6.3	70	90	4661266 151111	3	2	1-8-9	1
6FQ5	6.3	60	70	1521416 111111	2	2	1-2-5	5	6GJ8	6.3	67	96	6531241 661111	3	2	2-3-6-7	6
"	6.3	31	31	1112145 111111	2	3	6-7-8	6	6GK5	6.3	30	90	1521466 111111	2	2	1-2-5	5
6FQ7	6.3	31	31	4512111 111111	2	3	1-2-3	1	6GK6	6.3	25	45	1511264 361111	3	2	1-2-7-8	7
6FR7	6.3	40	75	1112145 111111	3	3	6-7-8	6	6GK7	6.3	20	48	1561214 311111	3	3	1-2-7-8	7
"	6.3	20	30	4562111 111111	3	1	1-2-9	1	"	6.3	0	75	6611412 111111	2	1	3-5	5
6FS5	6.3	42	25	5121436 111111	3	3	1-2-5-6	5	6GK17	6.3	40	80	1115412 111111	4	2	4-5-6	5
6FV6	6.3	55	70	5621431 111111	3	2	1-5-6-7	5	6GL7	6.3	95	85	5411112 111111	1	1	1-2-3	2
6FV8	6.3	60	85	6662143 151111	3	2	6-7-8-9	6	"	6.3	100	90	3661251 641111	3	1	1-6-7-9	9
"	6.3	60	70	5412166 661111	2	2	1-2-3	2	6GM5	6.3	30	70	5121436 111111	4	2	1-2-5-6	5
"	6.3	80	85	5211411 311111	3	1	1-3-5-8	5	6GM6	6.3	20	0	6662145 111111	1	3	6-7-8	6
6FW5	6.3	20	48	6661245 111111	3	3	6-7-8	6	6GM8	6.3	20	0	4512166 611111	1	3	1-2-3	1
6FW7	6.3	21	37	4511266 611111	3	3	1-2-3	1	"	6.3	53	100	5112436 111111	3	2	1-2-5-6	5
6FW8	6.3	77	85	6661245 111111	3	2	6-7-8	6	6GN6	6.3	55	35	1541266 661111	1	4	1-2-3	3
"	6.3	77	85	4511266 611111	3	2	1-2-3	1	6GN8	6.3	85	50	6661215 341111	2	2	6-7-8-9	9
6FX7	6.3	37	21	6661245 111111	3	3	6-7-8	6	"	6.3	0	80	1462111 111111	2	1	1-2	2
"	6.3	37	21	4511266 611111	3	3	1-2-3	1	6GQ7	6.3	0	80	1162111 411111	2	1	8-9	8
6FY5	6.3	7	70	6521461 111111	3	2	2-5-7	5	"	6.3	0	80	1162141 111111	2	1	6-7	6
"	6.3	95	95	2151411 611111	1	1	3-5-7	5	6GS7	6.3	65	80	6611243 651111	3	2	3-6-7-9	6
6FY7	6.3	45	59	2111111 615411	1	4	9-10-11	11	"	6.3	20	80	5411266 661111	2	2	1-2-3	2
6G5	6.3	7	87	2454111 111111	4	3	2-5	2	6GS8	6.3	40	50	1341215 661111	2	4	1-2-3-7	3
6G6	6.3	59	85	1233511 111111	3	2	3-4-5-8	3	"	6.3	40	50	1361265 411111	2	4	1-2-7-8	8
6G11	6.3	20	46	1151143 111121	2	4	2-3-4-6-7	6	"	6.3	85	90	3512166 141111	2	1	1-2-3-9	9
"	6.3	20	46	1111111 513421	2	2	8-9-10-11	11	6GT5	6.3	68	80	5121436 111111	3	2	1-2-5-6	5
6GA7	6.3	70	60	2365164 166111	3	1	2-4-5-7	7	6GU5	6.3	55	80	1112145 111111	2	2	6-7-8	6
"	6.3	0	75	2111161 166411	2	1	8-11	11	6GU7	6.3	50	75	4512111 111111	2	2	1-2-3	1
"	6.3	50	70	1213511 111114	2	2	4-5-8-C	C	6GV5	6.3	85	85	2131516 166614	2	1	3-4-5-C	C
6GB3	6.3	80	75	6512136 661114	2	1	2-3-6-C	C	6GV7	6.3	30	30	4612166 151111	3	2	1-8-9	1
6GB5	6.3	90	90	1163562 111114	2	1	4-5-8-C	C	"	6.3	70	75	6342165 161111	3	2	2-3-7-8	3
6GB6	6.3	40	72	1213511 111114	2	2	4-5-8-C	C	"	6.3	15	80	4511266 661111	4	2	1-2-3	1
6GB7	6.3	84	91	1163562 111114	2	1	4-5-8-C	C	6GV8	6.3	15	60	6661243 151111	1	3	6-7-8-9	6
6GB9	6.3	40	50	3651261 641111	2	2	1-3-7-9	9	"	6.3	67	96	4512161 111111	3	2	1-2-5	1
6GC5	6.3	20	70	1113512 611114	2	1	3-4-5-C	C	6GW5	6.3	30	75	1163562 111114	4	1	4-5-8-C	C
6GC6	6.3	77	85	5411266 661111	3	2	1-2-3	2	6GW6	6.3	47	47	6631241 561111	3	2	3-6-7-8	6
6GD7	6.3	0	53	6611243 151111	3	3	3-6-7-9	6	6GW8	6.3	30	90	5161266 641111	3	3	1-2-9	9
"	6.3	40	95	2351664 666611	2	1	2-3-4-7	7	"	6.3	80	90	5121431 111111	4	2	1-2-5-6	5

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6GX7	6.3	70	75	1562143 661111	3	2	1-2-6-7	6	6HR6	6.3	85	80	5612431 111111	3	2	1-5-6-7	5
"	6.3	45	40	1662166 451111	3	2	1-8-9	8	6HS5	6.3	32	35	2531664 666611	2	3	2-3-4-7	7
6GY5	6.3	70	70	1631566 666624	1	2	3-4-5-C	C	6HS6	6.3	80	85	5112431 111111	2	2	1-5-6-7	5
6GY6	6.3	60	60	5121431 111111	2	3	1-2-5-6	5	6HS8	6.3	45	45	1341215 661111	2	4	1-2-3-7	3
6GY8	6.3	7	35	5461266 661111	3	3	1-2	2	"	6.3	45	45	1361265 411111	2	4	1-2-7-8	8
"	6.3	7	50	6651266 141111	3	3	3-8-9	9	"	Good tube reads above 60.							
"	6.3	7	35	6661241 661111	3	3	6-7	6	6HT6	6.3	77	85	1561264 311111	3	2	1-2-7-8	7
6GZ5	6.3	60	60	1512634 111111	3	2	1-2-6-7	7	6HU6	6.3	50	60	5612144 641111	2	3	1-3-6-7-9	9
6H4	6.3	7	0	1216111 111111	4	6	4-8	4	"	6.3	50	60	5612143 641111	2	3	9	9
6H6	6.3	90	70	6151662 111111	3	3	3-4	3	6HU8	6.3	55	55	3542161 661111	3	2	1-2-3-6-7	3
"	6.3	90	70	6166562 111111	3	3	5-8	5	"	6.3	55	55	6662151 431111	3	2	6-7-8-9	8
6HA5	6.3	90	96	5121466 111111	1	2	1-2-5	5	6HV5	6.3	23	75	2531664 666611	2	3	2-3-4-7	7
6HA6	6.3	67	50	1512134 661111	2	2	1-2-6-7	7	6HW8	6.3	70	70	3431251 431111	3	3	*	2-8
6HB5	6.3	75	85	2351664 666611	2	1	2-3-4-7	7	"	*1-2-3-6-7-8-9							
6HB6	6.3	50	50	1512134 661111	2	2	1-2-6-7	7	6HZ5	6.3	38	38	2531664 666611	2	3	2-3-4-7	7
6HB7	6.3	75	80	1562143 661111	3	2	1-2-6-7	6	6HZ6	6.3	20	75	5121431 111111	3	3	1-2-5-6	5
"	6.3	50	60	1662166 451111	3	2	1-8-9	8	6HZ8	6.3	65	75	6662115 341111	2	2	6-7-8-9	9
6HC8	6.3	7	65	6151243 661111	4	2	2-3-6-7	6	"	6.3	30	50	1542166 661111	2	3	1-2-3	3
"	6.3	7	95	5661266 141111	4	3	1-8-9	9	6J4	6.3	7	40	6112654 111111	2	3	2-6-7	7
6HD5	6.3	65	70	2151364 666611	2	1	3-4-5-7	7	6J5	6.3	80	40	6146562 111111	3	2	3-5-8	3
6HD7	6.3	66	93	1562143 661111	3	2	1-2-6-7	6	6J6	6.3	20	34	6412561 111111	2	3	2-5-7	2
"	6.3	74	79	1662166 451111	2	2	1-8-9	8	"	6.3	20	34	4612651 111111	2	3	1-6-7	1
6HE5	6.3	40	35	2531141 166611	3	2	2-3-4-6	6	6J7	6.3	7	80	6143112 111115	2	4	3-4-8-C	3
6HE7	6.3	0	95	2461166 116111	1	1	2-4	2	6J8	6.3	60	55	1243541 111111	2	4	*	3
"	6.3	17	80	2161466 156311	2	1	5-8-9-11	5	"	*3-4-5-6-8-C							
6HF5	6.3	15	66	2631566 666614	2	1	3-4-5-C	C	"	6.3	60	25	1243541 111111	2	3	6	6
6HF8	6.3	90	60	1541266 661111	3	2	1-2-3	3	6J9	6.3	60	70	4512111 111111	3	2	1-2-3	1
"	6.3	70	70	6661215 341111	2	2	6-7-8-9	9	"	6.3	60	70	1112146 651111	3	2	6-9-10	6
6HG5	6.3	67	90	5121436 111111	2	2	1-2-5-6	5	"	6.3	60	70	1112165 461111	3	2	7-8-10	8
6HG8	6.3	30	40	1561266 431111	2	3	1-2-8-9	8	6J10	6.3	55	55	2311111 141511	3	2	2-3-9-11	9
"	6.3	93	90	1661254 661111	1	2	1-6-7	7	"	6.3	40	35	2114135 111111	4	4	4-6-7-8	4
6HJ5	6.3	70	70	2156364 166611	2	1	2-3-5-7	7	6J11	6.3	65	75	2346511 111111	3	2	2-3-5-6	3
6HJ7	6.3	24	86	1662116 451111	2	2	1-8-9	8	"	6.3	75	80	2111113 146511	3	2	7-8-9-11	9
"	6.3	40	45	1562143 661111	2	3	1-2-6-7	6	6JA5	6.3	90	85	2531646 666611	1	2	2-3-4-6	6
6HJ8	6.3	0	10	6661261 461111	1	2	7-8	8	6JA8	6.3	69	93	6661215 341111	3	2	6-7-8-9	9
"	6.3	70	70	1531246 611111	3	2	1-2-3-6	6	"	6.3	89	84	1541266 661111	1	3	1-2-3	3
6HK5	6.3	25	80	5121466 111111	2	2	1-2-5	5	6JB5	6.3	40	40	2531141 166611	3	2	2-3-4-6	6
6HK8	6.3	50	70	1112145 111111	2	2	6-7-8	6	6JB6	6.3	95	70	3512166 161114	2	1	1-2-3-C	C
"	6.3	50	70	4512111 111111	2	2	1-2-3	1	6JB8	6.3	25	60	4532141 151111	3	3	*	1-6
6HL5	6.3	30	30	5612164 631111	2	2	1-3-7-9	7	"	*1-2-6-7-8-9							
6HL8	6.3	55	60	4661266 151111	3	2	1-8-9	1	6JC5	6.3	66	66	2531141 166611	2	2	2-3-4-6	6
"	6.3	65	85	6531241 661111	3	2	2-3-6-7	6	6JC6	6.3	85	80	1562114 361111	3	2	1-2-7-8	7
6HM5	6.3	90	96	5121466 111111	1	2	1-2-5	5	6JC8	6.3	68	18	1531246 661111	3	3	1-2-3-6	6
6HM6	6.3	45	50	1562114 361111	2	3	1-2-7-8	7	"	6.3	26	96	6661261 541111	2	2	7-8-9	9
6HQ5	6.3	50	60	5121466 111111	2	2	1-2-5	5	6JD5	6.3	38	38	2531664 666611	2	3	2-3-4-7	7
6HQ6	6.3	77	85	5112431 111111	3	2	1-2-5-6	5	6JD6	6.3	70	70	1562114 361111	3	2	1-2-7-8	7
6HR5	6.3	20	40	5112436 111111	2	3	1-2-5-6	5	6JE6	6.3	90	50	6512163 661114	2	1	2-3-7-C	C

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6JE8	6.3	20	20	1541266 661111	3	3	1-2-3	3	6K11	6.3	25	25	2111111 154111	2	3	4-9-10	10
"	6.3	60	60	6661215 341111	3	2	6-7-8-9	9	"	6.3	25	25	2111415 111111	2	4	5-6-7	5
6JF6	6.3	70	80	3512166 661114	2	1	1-2-3-C	C	"	6.3	25	25	2411111 111511	2	4	2-3-10-11	2
6JG5	6.3	85	50	6662115 341111	2	2	6-7-8-9	9	6KA8	6.3	20	30	4512161 611111	3	3	1-2-3	1
6JG6	6.3	40	40	3512166 641111	3	1	1-2-3-9	9	"	6.3	20	30	6612151 341111	3	3	3-6-8-9	9
6JH5	6.3	77	78	2531664 666611	2	2	2-3-4-7	7	6KD6	6.3	45	40	2131516 166614	2	1	2-3-5-C	C
6JH6	6.3	30	87	5121431 111111	3	2	1-2-5-6	5	6KD8	6.3	80	100	6531241 661111	2	2	2-3-6-7	6
6JH8	6.3	20	60	1132151 141111	3	3	3-6-9	9	"	6.3	25	82	4661266 151111	2	2	1-8-9	1
"	6.3	20	55	1132151 411111	3	3	3-6-8	8	6KE8	6.3	75	75	4112111 151111	2	2	1-8-9	1
6JK5	6.3	75	75	2531664 666611	2	2	2-3-4-7	7	"	6.3	70	80	1532141 111111	3	2	2-3-6-7	6
6JK6	6.3	20	23	5121431 111111	2	3	1-2-5-6	5	6KF8	6.3	13	98	1361265 411111	3	3	1-2-7-8	8
6JK8	6.3	15	46	6661245 111111	2	3	6-7-8	6	"	6.3	26	98	1341215 661111	3	3	1-2-3-7	3
"	6.3	15	45	4511266 611111	3	2	1-2-3	1	6KG6▲	6.3	70	80	5632166 611114	2	1	1-3-9-C	C
6JL6	6.3	75	70	5121431 111111	3	2	1-2-5-6	5	6KL8	6.3	65	64	1612134 561111	2	6	3-8	8
6JL8	6.3	53	0	1541266 661111	3	3	1-2-3	3	"	6.3	60	60	1512134 661111	2	3	2-3-6-7	7
"	6.3	95	40	6661215 341111	3	2	6-7-8-9	9	6KM6	6.3	40	50	6512163 161114	3	1	2-3-7-C	C
6JM6	6.3	83	85	2131566 666614	2	1	2-5-7-C	C	6KM8	6.3	60	60	1162115 341111	3	3	7-8-9	9
6JN6	6.3	72	59	2131664 666511	3	1	2-3-4-7	7	"	6.3	60	60	1462115 311111	3	3	2-5-8	2
6JN8	6.3	75	80	6662143 151111	3	2	6-7-8-9	6	"	6.3	60	60	4162115 311111	3	3	1-6-7-8	1
"	6.3	70	70	5412166 661111	3	2	1-2-3	2	"	6.3	40	35	1142116 661111	1	3	3-6	3
6JQ6	6.3	13	54	4632165 611111	2	2	1-3-7-9	1	6KN6	6.3	45	45	2131516 161614	2	1	2-3-5-C	C
6JR6	6.3	50	52	3512166 641111	3	1	1-2-3-9	9	6KN8	6.3	35	35	4511266 611111	2	2	1-2-3	1
6JS6	6.3	65	65	2131516 166614	2	1	2-3-5-C	C	"	6.3	35	35	6661245 111111	2	2	6-7-8	6
6JT6	6.3	70	70	5312116 641111	2	2	2-3-9	9	6KR8	6.3	70	75	1542166 661111	2	2	1-2-3	3
6JT8	6.3	40	40	1541266 661111	3	3	1-2-3	3	"	6.3	25	40	6662115 341111	3	2	6-7-8-9	9
"	6.3	20	30	6661215 341111	3	2	6-7-8-9	9	6KS6	6.3	45	90	1521314 111111	2	4	1-2-5-7	7
6JU6	6.3	60	80	6512163 161114	2	1	2-3-7-C	C	6KS8	6.3	89	84	1541266 661111	1	3	1-2-3	3
6JU8	6.3	90	72	5112115 111111	3	2	1-2-7-8	1-7	"	6.3	85	70	6661215 341111	3	2	6-7-8-9	9
"	Good tube reads above 30.								6KT6	6.3	60	75	1562114 361111	3	2	1-2-7-8	7
6JV8	6.3	65	65	6662115 341111	3	2	6-7-8-9	9	6KT8	6.3	30	30	1112115 341111	2	3	6-7-8-9	9
"	6.3	60	80	1542166 661111	3	2	1-2-3	3	"	6.3	40	40	1542111 111111	2	3	1-2-3	3
6JW8	6.3	85	80	4112111 151111	3	2	1-8-9	1	6KU8	6.3	40	40	1551266 661111	1	5	1-2-3	2-3
"	6.3	85	80	1532141 111111	3	2	2-3-6-7	6	"	6.3	80	75	6661215 341111	3	2	6-7-8-9	9
6JX8	6.3	64	59	1512143 661111	1	4	2-3-6-7	6	6KV6	6.3	70	70	3512166 141111	2	1	1-2-3-9	9
"	6.3	40	30	6612166 451111	2	3	3-8-9	8	6KV8	6.3	75	85	1541266 661111	3	2	1-2-3	3
6JY8	6.3	50	60	1541266 661111	3	2	1-2-3	3	"	6.3	20	75	6661215 341111	2	2	6-7-8-9	9
"	6.3	60	60	6661215 341111	3	2	6-7-8-9	9	6KX8	6.3	55	70	1112114 151111	3	3	7-8-9	7
6JZ6	6.3	52	79	2136566 666614	2	1	2-3-5-C	C	"	6.3	55	70	5142111 111111	3	3	1-2-3	3
6JZ8	6.3	40	35	2114156 311111	2	2	4-6-8-9	4	6KY6	6.3	77	40	1562164 361111	2	2	1-2-7-8	7
"	6.3	70	70	2411111 115111	3	2	2-10-11	2	6KY8	6.3	85	90	1112111 451111	3	2	1-8-9	8
6K5	6.3	7	80	1231111 111115	4	4	3-8-C	3	"	6.3	45	75	1512145 111111	3	3	2-3-6-7	6
6K6	6.3	50	75	6143562 111111	3	2	3-4-5-8	3	6KZ8	6.3	95	90	4112111 151111	1	2	1-8-9	1
6K7	6.3	28	35	6143112 111115	3	3	3-4-8-C	3	"	6.3	45	50	1512143 111111	2	3	2-3-6-7	6
6K8	6.3	7	81	1166542 111116	2	3	5-6-8	6	6L5	6.3	45	25	1231511 111111	3	3	3-5-8	3
"	6.3	7	81	1143562 111111	4	3	3-4-5-8	3	6L6	6.3	55	95	6143562 111111	4	1	3-4-5-8	3
									6L7	6.3	7	75	1143112 111115	4	3	3-4-8-C	3
									6LB6	6.3	50	50	2131516 166614	2	1	2-3-5-C	C



TUBE	FIL.	GR.	PL.	LEVERS		V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS		V	S	LEAK	MERIT
6N5	6.3	7	87	2414111	111111	4	3	2-3-4-5	2	6SB7	6.3	7	75	1233511	111111	4	3	1-5-6-8	3
"	6.3	7	87	2114111	111111	4	3	2	2	"	6.3	7	3	1233511	111111	4	3	4	4
6N6	6.3	65	0	1244511	111111	4	2	3-4-5-8	3	6SB7Y	6.3	7	75	1143512	111111	4	3	3-4-5-6	3
6N7	6.3	20	65	1145662	111111	3	3	3-4-8	3	6SC7	6.3	20	28	1665411	211111	3	4	4-5-6	5
"	6.3	20	65	1166542	111111	3	3	5-6-7-8	6	"	6.3	20	28	1456611	211111	3	4	2-3-6	2
6N8	6.3	27	72	3512146	611111	2	3	*	6	6SD7	6.3	7	55	1215131	411111	4	3	3-4-5-6	8
"	*1-2-3-6-7-8									6SF5	6.3	68	50	1151412	111111	2	3	2-3-5	5
"	6.3	7	25	3512146	611111	4	6	7-8	7-8										
6P5	6.3	7	74	1231511	111111	3	3	3-5-8	3	6SF7	6.3	61	93	1513641	211111	3	2	2-3-6	6
"										"	6.3	7	20	1616561	211111	4	6	3-5	5
6P7	6.3	35	52	1214335	111115	3	3	*	4	6SG7	6.3	25	25	1215631	411111	3	3	3-4-6-8	8
"	*4-5-6-7-8-C									6SH7	6.3	50	97	1115632	411111	3	2	3-4-6-8	8
"	6.3	35	93	1214335	111115	3	3	6	6	6SJ7	6.3	55	55	6115132	411111	2	3	4-5-8	8
6PL12	6.3	70	85	5662166	141111	3	2	1-8-9	9	6SK7	6.3	25	13	6115132	411111	3	3	4-5-6-8	8
"	6.3	30	55	6152143	661111	2	2	2-3-6-7	6										
6Q4	6.3	7	88	5612116	641111	4	2	1-3-9	9	6SL7	6.3	20	15	1115412	111111	3	4	4-5-6	5
6Q5	6.3	0	70	1231111	111111	3	1	3	3	"	6.3	20	15	5411112	111111	3	4	1-2-3	2
6Q7	6.3	60	60	6146662	111115	2	3	3-8-C	3	6SN7	6.3	20	95	1115412	111111	3	2	4-5-6	5
"	6.3	7	24	1146612	111115	4	6	4-5	4-5	"	6.3	20	95	5411112	111111	3	2	1-2-3	2
6Q8	6.3	7	30	1243541	111111	2	4	3-4-5-6-8	3	6SQ7	6.3	52	52	6615561	211111	2	5	3-4-5	4-5
"	6.3	15	35	1243541	111111	2	4	6	6	"	6.3	65	65	6516641	211111	2	3	2-3-6	6
6Q11	6.3	50	50	2411111	611511	3	3	2-3-11	2	6SR7	6.3	7	98	1516641	211111	4	2	2-3-6	6
"	6.3	50	50	2111415	611111	3	3	5-6-7	5	"	6.3	7	25	1615561	211111	4	6	3-4-5	4-5
"	6.3	60	60	2111111	654111	3	2	4-9-10	10	6SS7	6.3	25	19	6115132	411111	3	3	4-5-6-8	8
6R3	6.3	0	35	6662166	641111	3	1	9-C	9	6ST7	6.3	7	0	1516642	111111	4	3	2-3-4-5	6
6R4	6.3	50	55	5112111	411111	2	2	1-3-8	8	"	6.3	7	27	1516642	111111	4	6	4-5	4-5
6R6	6.3	17	42	1231411	111115	4	3	3-4-8-C	5	6SU7	6.3	7	38	5415412	111111	4	4	1-3-4-6	2-5
6R7	6.3	7	0	1146612	111115	4	3	3-8-C	3	6SZ7	6.3	7	89	1516632	111111	4	4	2-3-4-5	6
"	6.3	7	25	1165512	111116	4	6	4-5-8	4-5	"	6.3	7	30	1516632	111111	4	6	4-5	4-5
6R8	6.3	55	16	6612161	531111	3	3	*	9	6T4	6.3	35	71	4521166	111111	2	2	1-2-5	1
"	*1-2-3-6-7-8-9									6T7	6.3	7	85	1246611	111115	2	4	4-5-8-C	3
6RA6	6.3	70	70	1562166	641111	1	2	1-2-9	9	"	6.3	7	30	1246611	111115	4	6	4-5	4-5
6RA9	6.3	95	70	1512116	141111	1	2	1-2-9	9	6T8	6.3	50	50	5661251	661111	3	5	1-7	1
6RB11	6.3	96	100	3152161	141111	1	2	1-3-7-9	9	"	6.3	50	50	6661261	541111	3	3	7-8-9	9
6RHH2	6.3	50	70	1112145	111111	2	2	6-7-8	6	"	6.3	50	50	6511266	661111	3	4	2-3	2
"	6.3	50	70	4512111	111111	2	2	1-2-3	1	"	6.3	50	50	5661251	661111	3	5	6-7	6
6RHH8	6.3	35	35	4511266	611111	2	2	1-2-3	1	6T9	6.3	50	65	2111161	513411	3	2	8-9-10-11	11
"	6.3	35	35	6661245	111111	2	2	6-7-8	6	"	6.3	30	50	2415161	111111	3	3	2-4-5	2
6RK19	6.3	0	70	6662166	641111	2	1	9-C	9	6T10	6.3	35	70	2111111	513411	3	2	8-9-10-11	11
6RP15	6.3	45	75	5612164	631111	2	2	1-3-7-9	7	"	6.3	35	70	2151134	111111	3	3	2-3-6-7	7
6RP22	6.3	50	95	1532141	661111	3	2	1-2-3-6	6	6U3	6.3	0	100	1112111	141111	1	1	3-9	9
6S2	6.3	0	58	1216661	611114	2	3	C	C	6U4	6.3	0	71	1111312	111111	4	1	3-5	5
6S4	6.3	65	65	6151266	641111	2	2	2-3-9	9	6U5	6.3	7	87	2454111	111111	1	4	2-3-5	2
6S7	6.3	23	25	1241311	111115	3	3	3-4-8-C	3	6U6GT	6.3	7	94	6143562	111111	4	1	3-4-5-8	3
6S8	6.3	7	20	6166132	111115	4	5	*	6	6U7	6.3	27	30	1243111	111115	3	3	5-8-C	3
"	*1-2-3-4-5-C									6U8	6.3	55	90	4661266	151111	2	2	1-8-9	1
6SA7	6.3	15	70	1143512	111111	4	3	3-4-5-6	3	"	6.3	44	73	6531241	661111	2	3	2-3-6-7	6
										6U9	6.3	35	40	6151214	311111	1	4	2-3-7-8	7
										"	6.3	50	50	1611216	141115	1	3	1-9-C	9

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
6U10	6.3	65	60	2111111 154111	3	2	4-9-10	10	7AD7	6.3	20	50	2411351 111111	4	2	2-3-6-7	2
"	6.3	60	55	2111415 111111	3	3	5-6-7	5	7AF7	7.5	34	14	1666541 211111	3	3	5-6-7	6
"	6.3	65	60	2411111 111511	3	2	2-3-11	2	"	7.5	34	14	1145666 211111	3	3	2-3-4	3
6V3	6.3	0	64	1412116 161111	2	1	2-C	2	7AG7	7.5	7	50	1431151 211111	4	3	2-3-6-7	2
6V4	6.3	0	85	6612164 111111	2	1	3-7	7	7AH7	6.3	7	54	2441651 111111	4	3	2-3-6-7	2
"	6.3	0	85	4612166 111111	2	1	1-3	1	7AJ7	6.3	14	18	2431651 111111	2	4	2-3-6-7	2
6V5	6.3	36	90	1133512 111111	4	1	3-4-5	3	"	"	"	"	"	"	"	"	"
6V6	6.3	40	40	6143562 111111	4	2	3-4-5-8	3	7AK7	7.5	7	65	1431151 211111	4	2	2-3-6-7	2
"	"	"	"	"	"	"	"	"	7AN7	7.5	75	70	1542151 641111	2	2	*	3-9
6V7	6.3	22	28	1246611 111115	2	3	3-4-5-8-C	3	"	*1-2-3-6-7-9	"	"	"	"	"	"	"
"	6.3	7	22	1246611 111115	4	6	4-5	4-5	7AU7	7.5	20	80	1112145 161111	3	2	6-7-8	6
6V8	6.3	7	70	4611256 661111	2	4	1-3-6	1	"	7.5	20	80	4512111 161111	3	2	1-2-3	1
"	6.3	74	0	6511266 651111	4	6	2-3-9	2-9	7B4	7.5	7	90	1411151 211111	2	4	2-6-7	2
"	6.3	7	75	6661265 161111	4	6	7-8	7	7B5	7.5	7	54	1431151 211111	4	2	2-3-6-7	2
6V9	6.3	55	55	1111211 511114	1	3	8-9-C	C	"	"	"	"	"	"	"	"	"
"	6.3	65	65	1153214 111111	1	4	1-3-4-7	7	7B6	7.5	7	22	1456661 211111	2	5	2-3-7	2
6W4	6.3	0	40	6611411 211111	3	1	3-5	5	"	7.5	7	25	1666551 211111	2	6	5-6-7	5-6
6W5	6.3	0	50	1241411 111111	2	2	3-5-8	5	7B7	7.5	35	23	1431151 211111	3	3	2-3-6-7	2
"	6.3	0	40	1241411 111111	2	2	3	3	7B8	7.5	48	9	1435111 211111	2	4	2-3-4-7	2
"	"	"	"	"	"	"	"	"	7C4	6.3	0	75	2113111 111111	1	3	4-7	4
6W6	6.3	15	90	6143562 111111	4	1	3-4-5-8	3	7C5	7.5	30	50	1436651 211111	4	2	2-3-6-7	2
6W7	6.3	7	50	1241311 111115	2	4	3-4-8-C	3	"	"	"	"	"	"	"	"	"
6X4	6.3	0	83	6112141 111111	2	1	6-7	6	7C6	7.5	7	22	1666551 211111	4	6	5-6-7	5-6
"	6.3	0	83	4112161 111111	2	1	1-7	1	"	7.5	15	78	1456661 211111	3	4	2-3-7	2
6X5	6.3	0	50	6141612 111111	4	1	3-8	3	7C7	7.5	13	25	2431651 111111	2	4	2-3-6-7	2
"	6.3	0	50	6161412 111111	4	1	5-8	5	7DJ8	7.5	50	50	6661245 111111	2	2	6-7-8	6
6X8	6.3	20	90	1542116 611111	2	2	2-3	3	"	7.5	50	50	4511266 611111	2	2	1-2-3	1
"	6.3	20	30	1662115 341111	3	3	6-7-8-9	9	7E5	6.3	16	60	5241666 111111	2	3	1-3-4	3
"	"	"	"	"	"	"	"	"	7E6	6.3	7	25	2456661 111111	4	6	2-3-4-6-7	5-6
6X9	6.3	45	45	6151214 311111	1	4	2-3-7-8	7	"	6.3	7	0	2456661 111111	4	3	2	2
"	6.3	65	65	1611216 141115	1	4	1-9-C	9	"	"	"	"	"	"	"	"	"
6Y5	6.3	0	83	2151311 111111	4	1	3-4-5	5	7E7	6.3	37	40	2466351 111111	3	3	*	1-2
"	6.3	0	83	2131111 111111	4	1	3	3	"	*2-3-4-5-6-7	"	"	"	"	"	"	"
6Y6	6.3	7	90	6143562 111111	4	1	3-4-5-8	3	"	6.3	7	30	2466351 111111	4	6	3-4	3-4
6Y9	6.3	60	60	1111211 531114	1	3	7-8-9-C	C	7ES8	7.5	7	60	6661245 111111	2	2	6-7-8	6
"	6.3	85	80	5134211 111111	1	3	1-2-3-4	4	"	7.5	7	60	4511266 611111	2	2	1-2-3	1
6Y10	6.3	65	80	2111111 513411	3	2	8-9-10-11	11	7EY6	7.5	15	60	6143562 111111	4	2	3-4-5-8	3
"	6.3	25	50	2151134 111111	3	3	2-3-6-7	7	7F7	6.3	60	40	1666541 211111	3	3	5-6-7	6
"	"	"	"	"	"	"	"	"	"	6.3	60	40	1145666 211111	3	3	2-3-4	3
6Z4	6.3	0	83	1461211 111111	4	1	2-4	2	7F8	7.5	7	50	6166142 511111	4	3	5-6-8	6
"	6.3	0	83	1641211 111111	4	1	3-4	3	"	7.5	7	50	5141662 611111	4	3	1-3-4	3
6Z5	12.6	0	81	6251311 111111	4	1	3-4-5	5	"	"	"	"	"	"	"	"	"
"	12.6	0	81	6231111 111111	4	1	3	3	7FC7	7.5	77	85	6661251 641111	3	2	6-7-9	9
6Z10	6.3	50	85	2114135 111111	2	4	4-6-7-8	4	"	7.5	77	85	1541266 661111	3	2	1-2-3	3
"	6.3	55	55	2311111 141511	3	2	2-3-9-11	9	7G7	6.3	7	45	2431651 111111	4	3	2-3-6-7	2
7A4	7.5	35	17	1411151 211111	2	3	2-6-7	2	7G8	6.3	7	75	2435514 111111	4	3	*	2-7
7A5	7.5	66	93	1436651 211111	3	1	2-3-6-7	2	"	*2-3-4-5-6-7	"	"	"	"	"	"	"
7A6	7.5	0	60	1661141 211111	1	2	6-7	6	7GS7	7.5	65	80	6611243 651111	3	2	3-6-7-9	6
"	7.5	0	60	1141166 211111	1	2	2-3	3	"	7.5	20	80	5411266 661111	2	2	1-2-3	2
7A7	7.5	25	15	1431151 211111	2	4	2-3-6-7	2	7GV7	6.3	70	75	6342165 161111	3	2	2-3-7-8	3
7A8	7.5	7	55	2445311 111111	4	3	2-3-4-7	2	"	6.3	30	30	4612166 151111	3	2	1-8-9	1
7AB7	6.3	14	84	3241561 611111	3	3	1-3-4-5-8	3	7H7	7.5	30	14	1431151 211111	3	3	2-3-6-7	2

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
7HG8	7.5	93	90	1661254 661111	1	2	1-6-7	7	8B8	7.5	55	55	1152143 111111	2	2	2-3-6-7	6
"	7.5	30	40	1561266 431111	2	3	1-2-8-9	8	"	7.5	30	70	5112111 141111	3	3	1-8-9	9
7J7	7.5	30	0	1145111 211111	2	4	3-4-7	3	8B10	7.5	50	60	2154111 111611	3	2	2-3-4	4
"	7.5	30	0	2435351 111111	2	4	2-5-6-7	2	"	7.5	50	60	2111541 111611	3	2	5-6-7	6
7K7	7.5	60	60	2666551 111111	3	5	5-6-7	5-6	"	7.5	0	20	2111111 414611	1	2	8-9-10	8-10
"	7.5	20	90	2145666 111111	3	3	2-3-4	3	8BA8	7.5	75	75	6661215 341111	2	2	6-7-8-9	9
7KY6	7.5	70	25	1562164 361111	2	2	1-2-7-8	7	"	7.5	70	70	1541266 661111	2	2	1-2-3	3
7KZ6	7.5	70	25	1562164 361111	2	2	1-2-7-8	7	8BA11	7.5	57	57	2666666 651411	3	2	9-10-11	11
									"	7.5	65	55	2435666 166611	3	4	2-3-4-8	2
7L7	7.5	7	82	2431651 111111	4	3	2-3-6-7	2	"	7.5	42	42	2635646 166611	3	4	3-4-6-8	6
7MP18	7.5	30	35	5121436 111111	3	2	1-2-5-6	5	8BH8	7.5	30	30	6661215 341111	2	3	6-7-8-9	9
7N7	6.3	30	30	1145666 211111	2	3	2-3-4	3	"	7.5	40	40	1541266 661111	3	2	1-2-3	3
"	6.3	30	30	1666541 211111	2	3	5-6-7	6									
7Q7	7.5	7	80	1435111 211111	4	3	2-3-4-7	2	8BM11	9.0	50	72	2111114 131511	2	3	7-9-10	7
7R7	7.5	17	62	1466351 211111	3	3	2-5-6-7	2	"	9.0	50	85	2431151 111111	2	3	2-3-5-6	2
"	7.5	7	25	1655661 211111	4	6	3-4-7	3-4	8BN8	7.5	20	60	6661264 511111	2	3	7-8-9	7
									"	7.5	15	5	6611256 661111	4	6	3-6	6
7S7	7.5	60	30	1145111 211111	2	4	3-4-7	3	"	7.5	15	5	5161266 661111	4	6	1-2	1
"	7.5	60	70	1411351 211111	2	3	2-5-6-7	2	8BN11	7.5	80	85	2153411 111111	3	2	2-3-4-5	5
7T7	6.3	50	0	2431651 111111	3	3	2-3-6-7	2	"	7.5	80	85	2111115 131411	3	2	7-8-9-11	11
7V7	7.5	30	10	1431151 211111	3	3	2-3-6-7	2	8BQ5	7.5	60	95	6512164 631111	4	1	2-3-7-9	7
7W7	7.5	14	4	1431156 211111	3	3	2-3-4-6	2	8BQ7	9.0	7	43	3512135 111111	4	3	2-3-7-8	1-6
7X6	6.3	0	74	2351631 111111	4	1	2-3-6-7	6	8BQ11	9.0	75	75	2111111 435111	3	2	8-9-10-11	8
"	6.3	0	74	2121611 111111	4	1	3	3	"	9.0	80	83	2431511 111111	3	2	2-3-5-6	2
7X7	7.5	7	50	1451666 211111	4	4	2-3-4	2	8BU11	7.5	80	90	2111111 534111	3	2	8-9-10-11	10
"	7.5	7	0	1661566 211111	4	6	4-5	5	"	7.5	55	55	2111154 111111	3	2	5-6-7	7
"	7.5	7	0	1666651 211111	4	6	6-7	6	"	7.5	55	55	2145111 111111	3	2	2-3-4	3
7Y4	7.5	0	84	1161141 211111	4	1	6-7	6	8CB11	9.0	70	85	2436511 111111	3	2	2-3-6	2
"	7.5	0	84	1141161 211111	4	1	3-7	3	"	9.0	70	85	2111116 435111	3	2	8-9-10-11	8
7Z4	7.5	0	94	1141161 211111	4	1	3-7	3	8CG7	7.5	30	30	4511266 611111	2	3	1-2-3	1
"	7.5	0	94	1161141 211111	4	1	6-7	6	"	7.5	30	30	6661245 111111	2	3	6-7-8	6
8A8	7.5	7	95	4112111 151111	2	2	1-8-9	1	8CM7	7.5	15	5	4661266 511111	2	3	1-8-9	1
"	7.5	67	25	1532141 111111	2	3	2-3-6-7	6	"	7.5	30	30	6611245 661111	2	3	3-6-7	6
8AC9	7.5	60	80	2111111 153411	3	2	8-9-10-11	11	8CN7	7.5	44	80	6661215 461111	1	4	6-7-8	8
"	7.5	70	95	2651116 666611	3	3	3-4	3	"	7.5	50	50	5511266 661111	1	6	1-2-3	1-2
"	7.5	70	95	2511116 666611	3	3	2-3	2									
8AC10	7.5	70	75	2411111 111511	3	2	2-3-11	2	8CS7	7.5	90	20	4651266 611111	2	2	1-3-9	1
"	7.5	70	75	2111415 111111	3	2	5-6-7	5	"	7.5	90	75	6661245 161111	2	2	6-7-8	6
"	7.5	70	75	2111111 154111	3	2	4-9-10	10	8CS8	7.5	25	80	4651266 611111	2	2	1-3-9	1
									"	7.5	75	90	6661245 161111	2	2	6-7-8	6
8AL9	7.5	9	75	2111514 166611	2	3	5-6-7	7	8CW5	7.5	10	70	6511264 631111	2	2	2-3-7-9	7
"	7.5	72	40	2411666 113511	2	2	2-9-10-11	2	8CX8	7.5	75	75	6661215 341111	2	2	6-7-8-9	9
8AR11	9.0	70	85	2111116 435111	3	2	8-9-10-11	8	"	7.5	85	85	1541266 661111	2	2	1-2-3	3
"	9.0	70	85	2436511 111111	3	2	2-3-6	3	8CY7	7.5	20	40	6661245 161111	2	4	6-7-8	6
8AU8	7.5	80	80	6661215 341111	2	2	6-7-8-9	9	"	7.5	35	40	4651266 611111	2	1	1-3-9	1
"	7.5	80	80	1541266 661111	2	2	1-2-3	3									
8AV11	7.5	50	95	2111111 654111	2	2	4-9-10	10	8D8	7.5	26	30	3612146 151111	4	3	1-3-6-9	6
"	7.5	50	95	2111415 111111	2	2	5-6-7	5	8DX8	7.5	28	55	5412111 111111	2	3	1-2-3	2
"	7.5	50	95	2411111 111511	2	2	2-3-11	2	"	7.5	30	20	1112141 531111	2	3	6-7-8-9	6
8AW8	7.5	50	50	6662115 341111	3	2	6-7-8-9	9	8EB8	7.5	45	45	6661215 341111	2	3	6-7-8-9	9
"	7.5	72	72	1542166 661111	3	2	1-2-3	3	"	7.5	28	80	1541266 661111	3	3	1-2-3	3

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
SEM5	9.0	25	25	3152161 641111	3	2	1-3-7-9	9	8MD8	7.5	40	40	4662161 651111	3	2	1-7-9	1
SET7	7.5	60	50	1651266 661111	2	6	1-3	3	"	7.5	40	40	6462161 561111	3	2	2-7-8	2
"	7.5	62	50	1561266 661111	2	6	1-2	2	"	7.5	40	40	6642151 661111	3	2	3-6-7	3
"	7.5	17	72	6661215 341111	3	2	6-7-8-9	9	8MU8	9.0	71	71	1531241 661111	2	2	2-3-6-7	6
8FQ7	7.5	31	31	4512111 111111	2	3	1-2-3	1	"	9.0	71	71	4111211 151111	2	2	1-8-9	1
"	7.5	31	31	1112145 111111	2	3	6-7-8	6	8SN7	7.5	7	6	5415412 111111	3	3	1-3-4-6	2-5
8GJ7	7.5	46	46	1561243 661111	3	3	1-2-6-7	6	8U9	7.5	35	40	6151214 311111	1	4	2-3-7-8	7
"	7.5	22	22	1661266 451111	2	2	1-8-9	8	"	7.5	50	50	1611216 141115	1	3	1-9-C	9
8GN8	7.5	85	50	6661215 341111	2	2	6-7-8-9	9	8X9	7.5	65	65	6151214 311111	1	4	2-3-7-8	7
"	7.5	55	35	1541266 661111	1	4	1-2-3	3	"	7.5	65	65	1611216 141115	1	4	1-9-C	9
8GU7	7.5	50	80	1112145 111111	2	2	6-7-8	6	9A8	9.0	30	85	4112111 151111	2	2	1-8-9	1
"	7.5	50	75	4512111 111111	2	2	1-2-3	1	"	9.0	30	70	1532141 111111	2	3	2-3-6-7	6
8GV8	7.5	15	80	4511266 661111	4	2	1-2-3	1	9AH9	9.0	40	50	2541111 111111	3	2	2-3-4	3
"	7.5	15	60	6661243 151111	1	3	6-7-8-9	6	"	9.0	40	50	2111561 361411	2	2	5-7-8-11	11
8GX7	7.5	45	40	1662166 451111	3	2	1-8-9	8	9AK8	9.0	17	82	6612161 541111	2	3	1-2-3-7-8	9
"	7.5	70	75	1562143 661111	3	2	1-2-6-7	6	"	9.0	0	98	4612161 541111	1	1	1-2	1-2
8HG8	7.5	30	40	1561266 431111	2	3	1-2-8-9	8	9AK10	9.0	70	70	2111415 111111	2	2	5-6-7	5
"	7.5	93	90	1661254 661111	1	2	1-6-7	7	"	9.0	70	70	2411111 111511	2	2	2-3-11	2
8JE8	7.5	60	60	6661215 341111	3	2	6-7-8-9	9	"	9.0	70	70	2111111 154111	2	2	4-9-10	10
"	7.5	20	20	1541266 661111	3	3	1-2-3	3	9AM10	9.0	75	80	2111415 111111	2	2	5-6-7	5
8JK8	7.5	15	46	6661245 111111	2	3	6-7-8	6	"	9.0	75	80	2411111 111511	2	2	2-3-11	2
"	7.5	15	45	4511266 611111	3	2	1-2-3	1	"	9.0	75	80	2111111 154111	2	2	4-9-10	10
8JL8	7.5	53	100	1541266 661111	3	2	1-2-3	3	9AQ8	9.0	80	80	6662145 111111	2	2	6-7-8	6
"	7.5	95	40	6661215 341111	3	2	6-7-8-9	9	"	9.0	80	80	4512166 611111	2	2	1-2-3	1
8JT8	7.5	42	61	1541266 661111	2	4	1-2-3	3	9AU7	9.0	20	80	1112145 161111	3	2	6-7-8	6
"	7.5	77	85	6661215 341111	3	2	6-7-8-9	9	"	9.0	20	80	4512111 161111	3	2	1-2-3	1
8JU8	7.5	90	72	5112115 111111	3	2	1-2-7-8	1-7	9BJ11	9.0	54	25	2431146 666611	2	3	2-3-5	2
"	Good tube reads above 30.								"	9.0	30	88	2666664 131511	2	3	7-9-10	7
8JV8	7.5	65	65	6661215 341111	3	2	6-7-8-9	9	9BR7	9.0	75	75	4511266 661111	3	2	1-2-3	1
"	7.5	60	80	1541266 661111	3	2	1-2-3	3	"	9.0	90	90	6661255 161111	3	3	6-7-8	6-7
8K11	7.5	25	25	2111111 154111	2	3	4-9-10	10	9BR8	9.0	22	70	5411266 661111	4	2	1-2-3	2
"	7.5	25	25	2111415 111111	2	4	5-6-7	5	"	9.0	25	98	6661243 151111	4	2	6-7-8-9	6
"	7.5	22	22	2411111 111511	2	4	2-3-11	2	9CG8A	9.0	10	30	5411266 661111	2	3	1-2-3	2
8KA8	7.5	16	92	6611251 341111	2	3	3-6-8-9	9	"	9.0	60	5	6611243 151111	3	3	3-6-7-9	6
"	7.5	16	92	4511266 661111	2	3	1-2-3	1	9CL8	9.0	70	90	1112143 151111	3	2	6-7-8-9	6
8KR8	7.5	70	75	1542166 661111	2	2	1-2-3	3	"	9.0	30	35	5412111 111111	3	2	1-2-3	2
"	7.5	25	40	6662115 341111	3	2	6-7-8-9	9	9DZ8	9.0	7	60	6151243 661111	2	2	2-3-6-7	6
8KS8	7.5	89	84	1541266 661111	1	3	1-2-3	3	"	9.0	12	70	5661266 141111	2	4	1-8-9	9
"	7.5	85	70	6661215 341111	3	2	6-7-8-9	9	9EA8	9.0	75	84	6531241 661111	3	2	2-3-6-7	6
8LC8	9.0	30	30	1112151 341111	3	3	6-7-8-9	9	"	9.0	20	70	4661266 151111	3	2	1-8-9	1
"	9.0	80	70	4512111 111111	3	2	1-2-3	1	9ED4A	9.0	60	15	1662166 561114	4	5	1-8-C	C
8LE8	7.5	75	40	4612166 351111	2	3	1-3-8-9	1	"								
"	7.5	80	40	6612146 351111	2	3	3-6-8-9	6	9GH8	9.0	42	40	6531241 661111	2	3	2-3-6-7	6
8LS6	7.5	73	79	1512114 361111	2	2	1-2-3-7-8	7	"	9.0	17	17	4661266 151111	2	3	1-8-9	1
8LT8	7.5	70	75	1342111 151111	3	2	1-2-3-9	3	9GV8	9.0	50	45	1112143 151111	2	2	6-7-8-9	6
"	7.5	70	97	6342161 651111	2	6	6-7-8	6-8	"	9.0	65	60	4512111 111111	3	2	1-2-3	1
8LX8	7.5	79	75	1532141 111111	3	2	2-3-6-7	6	9JW8	9.0	30	20	4112111 151111	3	3	1-8-9	1
"	7.5	74	75	4112111 151111	3	2	1-8-9	1	"	9.0	30	40	1532141 111111	3	3	2-3-6-7	6
"									9KC6	9.0	55	55	1512114 131111	3	2	1-2-7-9	7

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
9KG6▲	9.0	50	50	5632166 611114	2	1	1-3-9-C	C	10EW7	9.0	70	70	1112145 111111	1	3	6-7-8	6
9KX6	9.0	45	50	1511264 361111	2	2	1-2-7-8	7	"	9.0	60	60	4562111 111111	2	1	1-2-9	1
9KZ8	9.0	95	90	4112111 151111	1	2	1-8-9	1	10FD7	9.0	60	65	1112145 111111	2	3	6-7-8	6
"	9.0	45	50	1512143 111111	2	3	2-3-6-7	6	"	9.0	10	40	4562111 111111	1	2	1-2-9	1
9LA6	9.0	40	60	1511264 361111	2	2	1-2-7-8	7	10FR7	9.0	100	90	1112145 111111	3	1	6-7-8	6
9MH3	9.0	30	100	4621651 111111	2	2	1-6-7	1	"	9.0	42	61	4562111 111111	1	4	1-2-9	1
"	9.0	30	100	6421561 111111	2	2	2-5-7	2	10GF7	9.0	80	50	6512141 111111	2	1	2-3-6	6
"									"	9.0	45	60	1112111 451111	1	4	1-8-9	8
9ML8	9.0	75	80	4662161 651111	2	2	1-7-9	1	10GK6	9.0	25	45	1511264 361111	3	2	1-2-7-8	7
"	9.0	75	80	6462161 561111	2	2	2-7-8	2	"								
"	9.0	75	80	6642151 661111	2	2	3-6-7	3	10GN8	9.0	85	50	6661215 341111	2	2	6-7-8-9	9
9MN8	9.0	56	57	2416161 616511	3	2	2-3-11	2	"	9.0	55	35	1541266 661111	1	4	1-2-3	3
"	9.0	56	57	2614161 615611	3	2	3-4-10	4	10GV8	9.0	35	60	1112143 151111	2	2	6-7-8-9	6
"	9.0	56	57	2516141 516611	3	2	3-6-8	6	"	9.0	60	75	4512111 111111	3	2	1-2-3	1
9MP12	9.0	75	78	5121436 111111	2	2	1-2-5-6	5	10HF8	9.0	70	70	6661215 341111	2	2	6-7-8-9	9
9RA6	9.0	70	70	1562166 641111	1	2	1-2-9	9	"	9.0	90	60	1541266 661111	3	2	1-2-3	3
9RAL1	9.0	50	70	1112145 111111	3	2	6-7-8	6	10JA5	9.0	90	85	2531646 666611	1	2	2-3-4-6	6
"	9.0	30	45	4652111 111111	2	2	1-3-9	1	10JA8	9.0	50	60	6661215 341111	2	3	6-7-8-9	9
"									"	9.0	70	70	1541266 661111	3	2	1-2-3	3
9U8	9.0	44	73	6531241 661111	2	3	2-3-6-7	6	"								
"	9.0	55	40	4661266 151111	2	2	1-8-9	1	10JT8	9.0	47	30	6661215 341111	3	2	6-7-8-9	9
9V9■	9.0	55	55	1111211 511114	1	3	8-9-C	C	"	9.0	42	50	1541266 661111	3	3	1-2-3	3
"	9.0	65	65	1153214 111111	1	4	1-3-4-7	7	10JY8	9.0	60	60	6661215 341111	3	2	6-7-8-9	9
9X8	9.0	20	90	1542116 611111	2	2	2-3	3	"	9.0	40	45	1541266 661111	3	2	1-2-3	3
"	9.0	20	30	1662115 341111	3	3	6-7-8-9	9	10KR8	9.0	70	75	1542166 661111	2	2	1-2-3	3
10	7.5	7	5	2351111 111111	4	3	2-3	2	"	9.0	25	40	6662115 341111	3	2	6-7-8-9	9
10AF11	9.0	40	50	1411111 113521	3	2	2-9-10-11	2	10KU8	9.0	40	40	1551266 661111	1	5	1-2-3	2-3
"	9.0	65	65	1111151 411121	3	2	5-6-8	8	"	9.0	80	75	6661215 341111	3	2	6-7-8-9	9
"	9.0	80	90	1154111 111121	2	2	3-4-7	4	10L14	25	80	80	6662145 111111	2	2	6-7-8	6
"									"	25	80	80	4512166 611111	2	2	1-2-3	1
10AL11	9.0	84	28	1111111 513421	3	2	8-9-10-11	11	"								
"	9.0	8	75	1151143 111121	2	4	2-3-4-6-7	6	10LB8	9.0	30	30	1542166 661111	4	2	1-2-3	3
10BQ5	9.0	60	95	6512164 631111	4	1	2-3-7-9	7	"	9.0	40	55	6662115 341111	2	2	6-7-8-9	9
10C8	9.0	70	8	6661243 511111	2	3	6-7-8-9	6	10LD6	9.0	48	35	1562134 661111	2	2	1-2-6-7	7
"	9.0	20	55	4511266 661111	2	3	1-2-3	1	"	Good tube reads above 50.							
10CW5	9.0	25	35	6512164 631111	2	2	2-3-7-9	7	10LES	9.0	80	50	6612146 351111	2	3	3-6-8-9	6
10DA7	9.0	100	25	6661245 161111	3	2	6-7-8	6	"	9.0	44	66	4612166 351111	2	3	1-3-8-9	1
"	9.0	37	21	4651266 611111	3	3	1-3-9	1	10LMS	9.0	72	72	6531241 661111	3	2	2-3-6-7	6
"									"	9.0	40	50	4661266 151111	3	2	1-8-9	1
10DE7	9.0	40	40	4562111 111111	3	1	1-2-9	1	10LWB	9.0	65	70	6661215 341111	2	3	6-7-8-9	9
"	9.0	70	70	1112145 111111	3	2	6-7-8	6	"	9.0	85	96	1541266 661111	2	3	1-2-3	3
10DR7	9.0	28	28	4562111 111111	1	2	1-2-9	1	"								
"	9.0	28	28	1112145 111111	4	3	6-7-8	6	10LY8	9.0	40	49	6661215 341111	2	2	6-7-8-9	9
10DX8	9.0	30	55	5412111 111111	2	3	1-2-3	2	"	9.0	67	20	1541266 661111	3	3	1-2-3	3
"	9.0	30	20	1112141 531111	2	3	6-7-8-9	6	10LZ8	9.0	70	60	1541266 661111	3	2	1-2-3	3
10EB8	9.0	14	62	6661215 341111	3	2	6-7-8-9	9	"	9.0	71	75	6661215 341111	2	2	6-7-8-9	9
"	9.0	11	55	1541266 661111	2	4	1-2-3	3	10P18	50	80	85	6512164 631111	3	1	2-3-7-9	7
10EG7	9.0	60	70	1115412 111111	3	2	4-5-6	5	10T10	9.0	35	70	2111111 513411	3	2	8-9-10-11	11
"	9.0	60	70	5411112 111111	2	1	1-2-3	2	"	9.0	35	70	2151134 111111	3	3	2-3-6-7	7
10EM7	9.0	97	85	5411112 111111	1	1	1-2-3	2	10Z10	9.0	50	85	2114135 111111	2	4	4-6-7-8	4
"	9.0	47	60	1115412 111111	1	4	4-5-6	5	"	9.0	55	55	2311111 141511	3	2	2-3-9-11	9

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
11AF9	9.0	20	45	5134211 111111	1	4	1-2-3-4	4	12A7	12.6	7	30	2331511 111115	3	3	*	2
"	9.0	60	60	1111211 531114	1	3	7-8-9-C	C	"	12.6	*2-3-4-5-6-C						
11AR11	12.6	15	1	1111111 435121	3	3	*	8	"	12.6	0	30	2111311 111111	2	2	5	5
"	*7-8-9-10-11								12A8GT	12.6	60	85	6141632 111115	2	3	3-6-8-C	C
"	12.6	15	1	1431511 111121	3	3	2-3-4-5-6	2	"	12.6	60	0	6141532 111116	2	4	3-5-6-8	3
11BM8	9.0	70	85	5662166 141111	3	2	1-8-9	9	12AB5	12.6	20	35	3651261 641111	2	3	1-3-7-9	9
"	9.0	30	55	6152143 661111	2	2	2-3-6-7	6	12AC6	12.6	62	38	5112431 111111	1	4	1-5-6-7	5
11BQ11	12.6	40	30	2431511 111111	2	3	2-3-5-6	2	12AC10	12.6	70	75	2411111 111511	3	2	2-3-11	2
"	12.6	40	30	2111111 435111	2	3	8-9-10-11	8	"	12.6	70	75	2111415 111111	3	2	5-6-7	5
11BT11	9.0	70	72	2151111 141111	3	2	3-4-9	9	"	12.6	70	75	2111111 154111	3	2	4-9-10	10
"	9.0	70	72	2111514 111111	3	2	5-6-7	7									
"	9.0	70	72	2411111 113511	2	2	2-8-10-11	2	12AD5	12.6	15	50	3511246 611111	2	3	1-2-3-6	6
11C5	12.6	91	100	1521634 111111	2	1	1-2-6-7	7	12AD6	12.6	7	85	5121431 111111	1	4	1-2-5-6-7	5
11CA11	9.0	11	50	2114151 111111	2	3	4-5-6	4	12AD7	12.6	7	95	6661245 161111	2	4	6-7-8	6
"	9.0	19	48	2451111 111111	2	3	2-3-7	2	"	12.6	7	95	4511266 661111	2	4	1-2-3	1
"	9.0	60	54	2111111 513411	2	2	8-9-10-11	11	12AE6	12.6	45	90	1121551 111111	2	6	5-6	5-6
11CF11	9.0	90	40	2411111 111511	1	3	2-7-11	2	"	12.6	7	45	5121664 111111	1	4	1-2-7	7
"	9.0	90	40	2111111 154111	1	3	8-9-10	10	12AE7	12.6	10	75	6661245 161111	1	2	6-7-8	6
"	9.0	69	40	2143511 111111	1	3	3-4-5-6	3	"	12.6	7	40	4511266 661111	1	2	1-2-3	1
11CH11	9.0	50	46	2151111 141111	3	2	3-4-9	9	12AE10	12.6	95	20	2111111 513411	2	2	8-9-10-11	11
"	9.0	75	67	2111514 111111	3	2	5-6-7	7	"	12.6	55	60	2151134 111111	1	4	2-3-6-7	7
"	9.0	60	58	2411111 113511	2	2	2-8-10-11	2	12AF3	12.6	0	35	6662166 641111	3	1	9-C	9
11CK5	12.6	7	98	1512634 111111	4	1	1-2-6-7	7	12AF6	12.6	7	80	5121431 111111	1	4	1-5-6-7	5
11CY7	12.6	20	40	6661245 161111	2	4	6-7-8	6	12AF11	12.6	40	50	1411111 113521	3	2	2-9-10-11	2
"	12.6	35	40	4651266 611111	2	1	1-3-9	1	"	12.6	40	50	1411111 113521	3	2	2-9-10-11	2
11DS5	9.0	50	88	5121436 111111	1	3	1-2-5-6	5	"	12.6	65	65	1111151 411121	3	2	5-6-8	8
11FY7	9.0	95	95	2151411 611111	1	1	3-5-7	5	12AG6	12.6	7	73	5121431 111111	2	4	1-2-5-6-7	5
"	9.0	45	59	2111111 615411	1	4	9-10-11	11									
11HM7	12.6	11	11	1512164 311111	3	2	1-2-7-8	7	12AJ6	12.6	40	90	1121551 111111	2	6	5-6	5-6
11JE8	12.6	60	60	6661215 341111	3	2	6-7-8-9	9	"	12.6	40	80	5121664 111111	1	4	1-2-7	7
"	12.6	20	20	1541266 661111	3	3	1-2-3	3	12AJ7	12.6	55	60	1112111 451111	3	2	8-9	8
11KV8	9.0	20	75	6661215 341111	2	2	6-7-8-9	9	"	12.6	55	70	3512146 661111	3	3	2-3-6	6
"	9.0	75	85	1541266 661111	3	2	1-2-3	3	12AL5	12.6	80	90	1521115 111111	4	2	1-2-5-7	2-7
11LQ8	9.0	35	35	6662115 341111	3	2	6-7-8-9	9	12AL8	12.6	10	10	4661266 511111	1	4	1-8-9	1
"	9.0	50	64	1542166 661111	3	2	1-2-3	3	"	12.6	27	65	6351241 661111	1	4	2-3-6-7	6
11LT8	9.0	70	75	1342111 151111	3	2	1-2-3-9	3	12AL11	12.6	55	60	2111611 513411	3	2	8-9-10-11	11
"	9.0	70	97	6342161 651111	2	6	6-7-8	6-8	"	12.6	45	40	2151643 111111	3	3	2-6-7	6
11LY6	9.0	83	73	1511264 361111	2	2	1-2-7-8	7	12AQ5	12.6	70	34	5112436 111111	3	2	1-2-5-6	5
11MS8	9.0	86	56	4512111 111111	1	3	1-2-3	1	12AR11	12.6	15	1	1431511 111121	3	3	2-3-4-5-6	2
"	9.0	33	34	1112143 151111	2	2	6-7-8-9	6	"	12.6	15	1	1111111 435121	3	3	*	8
11R3	12.6	0	35	6662166 641111	3	1	9-C	9	"	*7-8-9-10-11							
11Y9	9.0	60	60	1111211 531114	1	3	7-8-9-C	C	12AS5	12.6	7	25	1512634 111111	3	3	1-2-6-7	7
"	9.0	85	80	5134211 111111	1	3	1-2-3-4	4	12AT6	12.6	67	36	1121551 111111	2	6	5-6	5-6
12A	5.0	17	30	2351111 111111	2	3	2-3	2	"	12.6	13	93	5121664 111111	1	4	1-2-7	7
12A4	12.6	7	65	1562116 131111	4	2	1-2	9	12AT7	12.6	78	93	4511266 661111	2	2	1-2-3	1
12A5	12.6	90	56	2435161 111111	2	2	2-3-4-5	3	"	12.6	70	85	6661245 161111	1	3	6-7-8	6
12A6	12.6	7	54	6143562 111111	4	2	3-4-5-8	3	12AU6	12.6	70	89	5112431 111111	3	2	1-5-6-7	5
									12AU7	12.6	20	80	1112145 161111	3	2	6-7-8	6
									"	12.6	20	80	4512111 161111	3	2	1-2-3	1



TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
12DK7	12.6	7	35	6161256 651111	1	4	2-6-9	6-9	12EG6	12.6	7	7	5121431 111111	1	5	1-2-5-6-7	5
"	12.6	7	17	5131264 661111	1	4	1-2-3-7	7	12EH5	12.6	47	47	1512634 111111	2	2	1-2-6-7	7
12DL8	12.6	7	95	5661266 151111	1	3	1-8-9	1-9	12EK6	12.6	55	55	5112431 111111	1	3	1-5-6-7	5
"	12.6	7	45	6151243 661111	1	2	2-3-6-7	6	12EL6	12.6	7	25	5412661 111111	3	4	1-2-7	2
12DM4	12.6	0	75	6611411 211111	2	1	3-5	5	"	12.6	7	35	5312661 111111	4	6	5-6-7	5-6
12DM5	12.6	7	94	1512634 111111	4	1	1-2-6-7	7	12EM6	12.6	7	40	5131246 661111	1	3	1-2-3-6	6
12DM7	12.6	25	35	1112145 161111	2	4	6-7-8	6	"	12.6	7	60	5132131 161111	4	6	2-9	9
"	12.6	25	35	4512111 161111	2	4	1-2-3	1	12EN6	12.6	7	94	6143562 111111	4	1	3-4-5-8	3
12DQ4	12.6	0	35	6611411 211111	4	1	3-5	5	12EQ7	12.6	65	50	6611266 561111	3	5	3-8	8
12DQ6	12.6	84	91	1163562 111114	2	1	4-5-8-C	C	"	12.6	61	22	1511234 661111	2	3	2-3-6-7	7
12DQ7	12.6	7	65	1511214 311111	4	2	1-2-7-8	7	12EW6	12.6	7	94	1243511 111111	4	1	3-4-5-8	3
12DS7	12.6	60	59	5661266 151111	2	5	1-8-9	1-9	12EZ6	12.6	7	100	5112431 111111	1	3	1-5-6-7	5
"	12.6	7	85	6151243 161111	1	4	3-6-8	6	12F5	12.6	7	94	1213111 111115	5	5	8-C	4
12DT5	12.6	7	25	3651261 641111	2	3	1-3-7-9	9	12F5GT	12.6	7	94	1114112 111115	4	4	4-8-C	4
12DT6	12.6	29	86	5121431 111111	3	3	1-2-5-6	5	12F8	12.6	42	42	6341261 511111	2	3	2-3-7-8	3
12DT7	12.6	50	65	1112145 161111	3	3	6-7-8	6	"	12.6	60	60	5661251 661111	3	5	1-6-7	1-6
"	12.6	50	65	4512111 161111	3	3	1-2-3	1	12FA6	12.6	0	65	5121431 111111	4	5	1-2-5-6-7	5
12DT8	12.6	7	83	4511266 611111	2	3	1-2-3	1	12FB5	12.6	7	30	6511264 631111	2	2	2-3-7-9	7
"	12.6	7	83	6661245 111111	2	3	6-7-8	6	12FK6	12.6	45	75	1121551 111111	4	4	5-6	5-6
12DU7	12.6	80	93	1131236 661111	2	2	1-2-3-6	6	"	12.6	35	70	5121664 111111	2	2	1-2-7	7
"	12.6	50	50	6161265 651111	2	5	2-7-9	7-9	12FM6	12.6	70	65	1121551 111111	2	5	5-6	5-6
12DV7	12.6	20	20	6662135 161111	1	5	6-7-8	6	"	12.6	35	40	5121664 111111	1	3	1-2-7	7
"	12.6	65	90	1552166 661111	2	5	1-2-3	2-3	12FQ7	12.6	31	31	4512111 111111	2	3	1-2-3	1
12DV8	12.6	20	60	5661266 151111	4	6	1-8-9	1-9	"	12.6	31	31	1112145 111111	2	3	6-7-8	6
"	12.6	15	65	6151243 661111	3	3	2-3-6-7	6	12FQ8	12.6	70	65	6662145 411111	3	3	6-7-8-9	6-8
12DW4	12.6	0	100	6662164 611111	1	1	7-9	7	"	12.6	70	65	4542166 611111	3	3	1-2-3-9	1-3
12DW5	12.6	7	50	3651261 641111	2	2	1-3-7-9	9	12FR8	12.6	40	90	6651234 661111	1	2	3-6-7	7
12DW6	12.6	40	65	1163562 111114	3	1	4-5-8-C	C	"	12.6	45	45	5161266 641111	1	3	1-2-9	9
12DW7	12.6	40	18	4511266 661111	2	3	1-2-3	1	"	12.6	20	30	6161266 361111	1	4	2-8	8
"	12.6	7	93	6661245 161111	2	4	6-7-8	6	12FT6	12.6	40	50	5121664 111111	2	5	1-2-7	7
12DW8	12.6	7	20	4511266 661111	1	4	1-2-3	1	"	12.6	40	50	1121561 111111	4	5	2-5	5
"	12.6	7	38	6661245 161111	1	5	6-7-8	6	"	12.6	40	50	1121651 111111	4	5	2-6	6
"	12.6	7	38	6661266 151111	1	5	8-9	9	12FV7	12.6	35	35	1112145 161111	2	2	6-7-8	6
12DY8	12.6	7	72	5132141 451111	1	2	*	6	"	12.6	35	35	4512111 161111	2	2	1-2-3	1
"	*1-2-3-6-7-8	7	95	5132141 451111	1	3	8	8	12FX5	12.6	55	60	1512634 111111	2	2	1-2-6-7	7
"	12.6	7	95	5132141 451111	1	3	8	8	12FX8	12.6	15	55	6661256 461111	1	3	6-8	6
12DZ6	12.6	30	60	5112431 111111	1	3	1-5-6-7	5	"	12.6	35	40	3541261 611111	1	4	1-2-3-7	3
12DZ7	12.6	20	90	5143662 111111	2	2	1-3-4-8	3	12G4	12.6	30	20	3121651 111111	3	3	6-7	1
"	12.6	20	90	6163542 111111	2	2	4-5-6-8	6	12G8	12.6	7	25	4151266 661111	1	4	1-2-3	1
12DZ8	12.6	7	30	6151243 661111	2	4	2-3-6-7	6	"	12.6	7	25	6661241 561111	1	2	6-7-8	6
"	12.6	7	50	5661266 141111	2	2	1-8-9	9	12G11	12.6	20	46	1151143 111121	2	4	2-3-4-6-7	6
12E5	12.6	7	73	1231511 111111	4	3	5-8	3	"	12.6	20	46	1111111 513421	2	2	8-9-10-11	11
12E13	6.3	15	90	1143512 111111	3	1	3-4-5-8	3	12GA6	12.6	7	85	5121431 111111	1	4	1-2-5-6-7	5
12EA6	12.6	30	60	5112431 111111	1	3	1-5-6-7	5	12GB3	12.6	80	80	1163562 111114	2	1	4-5-8-C	C
12EC8	12.6	7	70	5411266 661111	1	3	1-2-3	2	12GB7	12.6	40	72	1213511 111114	2	2	4-5-8-C	C
"	12.6	7	90	6661243 151111	1	4	6-7-8-9	6	12GC6	12.6	10	75	1113512 611114	3	1	3-4-5-C	C
12ED5	12.6	7	30	1512634 111111	3	2	1-2-6-7	7	12GE5	12.6	15	25	2351664 666611	2	2	2-3-4-7	7

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
12GJ5	12.6	55	95	3512166 161111	2	1	1-2-3-C	C	12MX8	12.6	60	65	1512145 111111	3	3	2-3-6-7	6
12GK17	12.6	0	73	6611412 111111	2	1	3-5	5	"	12.6	75	90	1112111 451111	3	2	1-8-9	8
12GN6	12.6	53	100	5112436 111111	3	2	1-2-5-6	5	12Q7	12.6	60	60	6146662 111115	2	3	3-8-C	3
12GN7	12.6	85	85	1562164 361111	3	1	1-2-7-8	7	"	12.6	7	24	1146612 111115	4	6	4-5	4-5
12GT5	12.6	40	75	3512166 141111	3	1	1-2-3-9	9	12R5	12.6	32	32	1521634 111111	2	2	1-2-6-7	7
12GV5	12.6	85	90	2131516 166614	2	1	3-4-5-C	C	12RK19	12.6	0	100	6661266 641111	1	1	9-C	9
12GW6	12.6	40	65	1163562 111114	3	1	4-5-8-C	C	12RLL3	12.6	30	60	1112145 161111	3	2	6-7-8	6
12H4	12.6	52	16	3612651 111111	3	3	6-7	1	"	12.6	30	60	4512111 161111	3	2	1-2-3	1
12H6	12.6	90	70	6151662 111111	3	3	3-4	3	12S8	12.6	7	20	6166132 111115	4	5	*	6
"	12.6	90	70	6166562 111111	3	3	5-8	5	"	*1-2-3-4-5-6-C							
12HB25A	12.6	65	78	5612136 111114	2	1	1-6-9-C	C	12SA7	12.6	7	80	1143512 111111	4	3	3-4-5-6	3
12HE7	12.6	17	80	2161466 156311	2	1	5-8-9-11	5	12SC7	12.6	20	28	1665411 211111	3	4	4-5-6	5
"	12.6	0	95	2461166 116111	1	1	2-4	2	"	12.6	20	28	1456611 211111	3	4	2-3-6	2
12HG7	12.6	55	65	1512164 361111	2	2	1-2-7-8	7	12SF5	12.6	7	75	6151411 211111	4	4	2-3-5	5
12HL5	12.6	35	35	5612164 631111	2	2	1-3-7-9	7	12SF7	12.6	61	93	1513641 211111	3	2	2-3-6	6
12HL7	12.6	60	60	1511264 311111	2	2	1-2-7-8	7	"	12.6	7	20	1616561 211111	4	6	3-5	5
12HU8	12.6	55	55	3542161 661111	3	2	1-2-3-6-7	3	12SG7	12.6	31	7	1115632 411111	3	3	3-4-6-8	8
"	12.6	55	55	6662151 431111	3	2	6-7-8-9	8	12SH7	12.6	50	97	1115632 411111	3	2	3-4-6-8	8
12J5	12.6	49	30	6146562 111111	2	3	3-5-8	3	12SJ7	12.6	20	5	6115132 411111	2	4	4-5-6-8	8
12J7	12.6	45	30	6143112 111115	2	3	3-4-8-C	3	12SK7	12.6	25	13	6115132 411111	3	3	4-5-6-8	8
12J8	12.6	15	95	5131246 661111	1	2	1-2-3-6	6	12SL7	12.6	20	15	1115412 111111	3	4	4-5-6	5
"	12.6	0	70	6661261 551111	1	3	7-8-9	8-9	"	12.6	20	15	5411112 111111	3	4	1-2-3	2
12JB6	12.6	96	70	3512166 161114	2	1	1-2-3-C	C	12SN7	12.6	20	95	1115412 111111	3	2	4-5-6	5
12JF5	12.6	95	70	2351666 666614	2	1	2-3-4-C	C	"	12.6	20	95	5411112 111111	3	2	1-2-3	2
12JM6	12.6	85	90	2131566 666614	2	1	2-3-5-C	C	12SQ7	12.6	52	52	6615561 211111	2	5	3-4-5	4-5
12JN6	12.6	90	90	2131664 666511	1	2	2-3-4-7	7	"	12.6	65	65	6516641 211111	2	3	2-3-6	6
12JN8	12.6	10	75	6661243 151111	2	3	6-7-8-9	6	12SR7	12.6	7	98	1516641 211111	4	2	2-3-6	6
"	12.6	10	45	5411266 661111	2	3	1-2-3	2	"	12.6	7	25	1615561 211111	4	6	3-4-5	4-5
12JQ6	12.6	13	54	4632165 611111	2	2	1-3-7-9	1	12SV6	12.6	21	98	1244511 111111	4	1	3-4-5-8	3
12JS6	12.6	65	65	2131516 166614	2	1	2-3-5-C	C	12SV7	12.6	21	98	1244511 111111	4	1	3-4-5-8	3
12JT6	12.6	70	70	5312116 641111	2	2	2-3-9	9	12SW7	12.6	7	0	6516642 111111	4	3	2-3-4-5	6
12JZ8	12.6	40	95	2411111 115111	1	3	2-10-11	2	"	12.6	7	30	6516642 111111	4	6	4-5	4-5
"	12.6	88	99	2114156 311111	2	1	4-6-8-9	4	12SX7	12.6	52	20	5315312 111111	3	3	1-3-4-6	2-5
12K5	12.6	40	40	1312564 111111	2	3	1-2-5-7	7	12SY7	12.6	7	72	1243111 111111	4	3	1-5-6-8	3
12K7	12.6	28	30	6143112 111115	3	3	3-4-8-C	3	"	12.6	7	35	1243111 111111	4	3	4	4
12K8	12.6	7	81	1143562 111111	4	3	3-4-5-8	3	12T10	12.6	35	70	2111111 513411	3	2	8-9-10-11	11
"	12.6	7	64	1166542 111116	4	3	5-6-8	6	"	12.6	35	70	2151134 111111	3	3	2-3-6-7	7
12KL8	12.6	65	64	1612134 561111	2	6	3-8	8	12U7	12.6	14	100	6661245 161111	1	6	6-7-8	6
"	12.6	60	60	1512134 661111	2	3	2-3-6-7	7	"	12.6	14	100	4511266 661111	1	6	1-2-3	1
12L6	12.6	35	82	6143562 111111	4	1	3-4-5-8	3	12V6	12.6	21	85	6143562 111111	3	2	3-4-5-8	3
12L8	12.6	7	39	5154321 411111	4	3	*	4-8	12W6	12.6	15	90	6143562 111111	4	1	3-4-5-8	3
"	*1-2-3-4-5-8								12X4	12.6	0	83	6112141 111111	2	1	6-7	6
12MD8	12.6	40	40	4662161 651111	3	2	1-7-9	1	"	12.6	0	83	4112161 111111	2	1	1-7	1
"	12.6	40	40	6462161 561111	3	2	2-7-8	2	12Z3	12.6	0	15	2311111 111111	2	2	2-3	2
"	12.6	40	40	6642151 661111	3	2	3-6-7	3	13CM5	12.6	65	80	6263511 111114	3	1	5-8-C	C
									13CW4	12.6	20	75	1415111 112111	1	3	2-4-8	2

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
13DE7	12.6	75	75	1112145 111111	3	2	6-7-8	6	14F8	12.6	7	50	6166142 511111	4	3	5-6-8	6
"	12.6	40	40	4562111 111111	3	1	1-2-9	1	"	12.6	7	50	5141662 611111	4	3	1-3-4	3
13DR7	12.6	28	28	4562111 111111	1	2	1-2-9	1	14GT8	12.6	0	25	6411266 661111	1	2	2-3	2
"	12.6	28	28	1112145 111111	4	3	6-7-8	6	"	12.6	0	25	1661246 661111	1	2	1-6	6
13EM7	12.6	97	85	5411112 111111	1	1	1-2-3	2	"	12.6	25	35	6661261 541111	2	4	7-8-9	9
"	12.6	47	60	1115412 111111	1	4	4-5-6	5	14GW8	12.6	30	90	5161266 641111	3	3	1-2-9	9
13FD7	12.6	90	92	4562111 111111	1	1	1-2-9	1	"	12.6	47	47	6631241 561111	3	2	3-6-7-8	6
"	12.6	35	60	1112145 111111	3	3	6-7-8	6	14H7	12.6	30	14	2431651 111111	3	3	2-3-6-7	2
13FM7	12.6	50	50	2151461 611111	2	1	3-5-7	5	14J7	12.6	49	100	2435351 111111	4	2	1-4-6	2
"	12.6	18	32	2111111 615411	2	4	9-10-11	11	"	12.6	40	100	2435351 111111	2	3	3	3
13FR7	12.6	100	90	1112145 111111	2	3	6-7-8	6	14JG8	12.6	55	55	6661261 541111	3	3	7-8-9	9
"	12.6	42	61	4562111 111111	1	2	1-2-9	1	"	12.6	0	75	1661246 661111	2	1	1-6	6
13GB5A	12.6	80	75	6512136 661114	2	1	2-3-6-C	C	"	12.6	0	75	6411266 661111	2	1	2-3	2
13GF7	12.6	45	60	1112111 451111	1	4	1-8-9	8	14N7	12.6	30	30	1145666 211111	2	3	2-3-4	3
"	12.6	80	50	6512141 111111	2	1	2-3-6	6	"	12.6	30	30	1666541 211111	2	3	5-6-7	6
13J10	12.6	40	35	2114135 111111	4	4	4-6-7-8	4	14Q7	12.6	7	80	1435111 211111	4	3	2-3-4-7	2
"	12.6	55	55	2311111 141511	3	2	2-3-9-11	9	14R7	12.6	17	62	1466351 211111	4	3	2-5-6-7	2
13JZ8	12.6	91	95	2114165 311111	2	1	4-7-8-9	4	"	12.6	7	25	1655661 211111	4	6	3-4-7	2-3
"	12.6	66	68	2411111 115111	1	3	2-10-11	2	14S7	12.6	60	30	2435351 111111	2	4	2-3-4-6-7	2
"	12.6	66	68	2411111 115111	1	3	2-10-11	2	"	12.6	60	76	2435351 111111	2	3	3	3
13V10	12.6	52	50	2151134 111111	3	3	2-3-6-7	7	14W7	12.6	30	10	2431156 111111	3	3	2-3-4-6	2
"	12.6	20	20	2111111 513411	3	2	8-9-10-11	11	14X7	12.6	20	60	2451661 111111	4	3	2-3-4-5-6	2
13Z10	12.6	40	35	2114135 111111	4	4	4-6-7-8	4	"	12.6	0	0	2451661 111111	4	6	5-6	5-6
"	12.6	55	55	2311111 141511	3	2	2-3-9-11	9	14Y4	12.6	0	84	2151131 111111	4	1	3-6-7	6
14A4	12.6	35	17	2411651 111111	2	3	2-6-7	2	"	12.6	35	84	2151111 111111	4	3	3	3
14A5	12.6	27	38	2441151 111111	3	2	2-3-6-7	2	15	2.0	25	55	2431111 111115	2	4	2-3-4-C	2
14A7	12.6	25	15	1431151 211111	3	3	2-3-6-7	2	15A8	12.6	7	80	1255311 311113	2	4	1-3-4-5-6	C
"	12.6	25	15	1431151 211111	3	3	2-3-6-7	2	"	12.6	7	40	1255311 311113	2	4	8	8
14AF7	12.6	35	14	1666541 211111	3	3	6-7-8	7	15AF11	12.6	85	90	2154111 111111	2	2	3-4-7	4
"	12.6	35	14	1145666 211111	3	3	2-3-4	3	"	12.6	65	70	2111151 411111	3	2	5-6-8	8
14B6	12.6	7	22	1456661 211111	2	5	2-3-7	2	"	12.6	40	50	2411111 113511	3	2	2-9-10-11	2
"	12.6	7	25	1666551 211111	4	6	5-6-7	5-6	"	12.6	37	25	1111151 411121	2	3	5-6-8	8
14B8	12.6	15	30	2445311 111111	3	3	2-4-5-7	2	15BD11	12.6	37	25	1111151 411121	2	3	3-4-7	4
"	12.6	10	85	2445311 111111	3	3	3	3	"	12.6	37	25	1154111 111121	2	3	3-4-7	4
14BL11	12.6	62	78	2151111 141111	3	2	3-4-9	9	"	12.6	60	50	1411111 113521	3	2	2-9-10-11	2
"	12.6	60	75	2111514 111111	3	2	5-6-7	7	15CW5	12.6	30	40	6512164 631111	2	2	2-3-7-9	7
"	12.6	40	50	2411111 113511	3	2	2-8-10-11	2	15DQ8	12.6	45	50	5412111 111111	2	3	1-2-3	2
14BR11	12.6	72	72	2111111 145111	3	2	7-9-10	9	"	12.6	65	70	1112141 531111	3	2	6-7-8-9	6
"	12.6	70	70	2111141 511111	3	2	5-6-8	6	15EA7	12.6	20	40	5411112 111111	3	1	1-2-3	2
"	12.6	45	70	2531111 111411	3	2	2-3-4-11	11	"	12.6	30	60	1115412 111111	3	3	4-5-6	5
14C5	12.6	30	92	1436651 211111	4	1	2-3-6-7	2	15EM7	12.6	55	55	5411112 111111	2	1	1-2-3	2
14C7	12.6	13	25	1431151 211111	2	4	2-3-6-7	2	"	12.6	55	55	1115412 111111	2	3	4-5-6	5
14E6	12.6	7	0	2456661 111111	4	3	2-3-5-6-7	2	15EW6	12.6	85	82	5121431 111111	3	2	1-2-5-6	5
"	12.6	7	25	2456661 111111	4	6	5-6	5-6	15EW7	12.6	70	70	1112145 111111	1	3	6-7-8	6
14E7	12.6	37	40	2466351 111111	3	3	*	2	"	12.6	60	60	4562111 111111	2	1	1-2-9	1
"	12.6	*2-3-4-5-6-7							15FM7	12.6	50	50	2151461 611111	2	1	3-5-7	5
"	12.6	7	30	2466351 111111	4	6	3-4	3-4	"	12.6	18	32	2111111 615411	2	4	9-10-11	11
14F7	12.6	60	40	1666541 211111	3	3	5-6-7	6	15FY7	12.6	45	59	2111111 615411	1	4	9-10-11	11
"	12.6	60	40	1145666 211111	3	3	2-3-4	3	"	12.6	95	95	2151411 611111	1	1	3-5-7	5

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
15HA6	12.6	67	50	1512134 661111	2	2	1-2-6-7	7	17BQ6	19	90	90	1163562 111114	1	2	4-5-8-C	C
15HB6	12.6	50	50	1512134 661111	2	2	1-2-6-7	7	17BR3	12.6	0	75	6662111 141111	2	1	9-C	9
15KY8	12.6	75	90	1112111 451111	3	2	1-8-9	8	17BR6	19	0	50	6661266 641111	4	1	9-C	9
"	12.6	60	65	1512145 111111	3	3	2-3-6-7	6	17BS3	19	0	80	6412166 611111	2	1	2-9	2
15LE8	12.6	75	40	4612166 351111	2	3	1-3-8-9	1	17BW3	12.6	0	66	2114661 666111	2	1	4-7	4
"	12.6	80	40	6612146 351111	2	3	3-6-8-9	6									
15MF8	12.6	67	60	2114156 311111	2	2	4-6-8-9	4	17BZ3	12.6	0	65	2114661 666111	2	1	4-7	4
"	12.6	50	80	2411111 115111	1	3	2-10-11	2	17C5	19	91	100	1521634 111111	2	1	1-2-6-7	7
15MX8	12.6	60	65	1512145 111111	3	3	2-3-6-7	6	17C8	19	20	65	3511246 611111	2	3	1-2-3-6	6
"	12.6	75	90	1112111 451111	3	2	1-8-9	8	"	19	0	30	6611265 561111	2	3	3-7	7
16A5	19	55	55	6512164 631111	2	2	2-3-7-9	7	17C9A	19	36	15	6611266 511111	2	3	3-8	8
16A8	12.6	15	15	6152143 661111	3	2	2-3-6-7	6	"	19	36	15	5342111 111111	2	3	1-2-3-10	3
"	12.6	20	20	5662166 141111	2	4	1-8-9	9	17CA5	19	90	20	1112115 341111	2	3	6-7-8-9	9
16AK9	7.5	66	75	1661621 665411	1	3	7-10-11	11					1512634 111111	2	2	1-2-6-7	7
"	7.5	66	67	1451621 666611	1	3	2-3-7	2	17CJ5	19	90	84	3512166 661114	2	1	1-2-3-C	C
"	7.5	90	95	1661421 536611	1	2	5-7-8-9	5	17CK3	19	0	65	6462166 611111	2	1	2-9	2
16AQ3	12.6	0	30	6662166 641111	4	1	9-C	9	17CL3	19	0	100	6662164 611111	1	1	7-9	7
16BQ11	12.6	50	40	2431511 111111	2	3	2-3-5-6	2	17CT3	12.6	0	64	6462166 611111	2	1	2-9	2
"	12.6	50	40	2111111 435111	2	3	8-9-10-11	8	17CU5	19	23	90	1521634 111111	3	1	1-2-6-7	7
16BX11	12.6	70	90	2531111 111411	3	2	2-3-10-11	11	17D4	19	0	75	6611411 211111	2	1	3-5	5
"	12.6	70	50	2111541 111111	3	2	4-5-6	6	17DE4	19	0	80	6611411 211111	2	1	3-5	5
"	12.6	70	50	2111114 511111	3	2	7-8-9	7	17DM4	19	0	75	6611411 211111	2	1	3-5	5
16CB28	12.6	75	75	1131511 161624	1	2	2-3-5-C	C	17DQ4	19	0	35	6611411 211111	4	1	3-5	5
16GK6	12.6	25	45	1511264 361111	3	2	1-2-7-8	7	17DQ6	19	84	91	1163562 111114	2	1	4-5-8-C	C
16GY5	19	70	70	1631566 666624	1	2	3-4-5-C	C									
16HB5	12.6	75	85	2351664 666611	2	1	2-3-4-7	7	17DW4	19	0	100	6662164 611111	1	1	7-9	7
16KA6	12.6	19	90	2131516 161614	2	1	3-5-10-C	C	17EW8	19	60	45	4511266 611111	3	2	1-2-3	1
16LD6	12.6	48	35	1562134 661111	2	2	1-2-6-7	7	"	19	60	80	6661245 111111	3	2	6-7-8	6
16LU8	12.6	73	73	2411111 115111	2	2	2-10-11	2	17GE5	19	15	25	2351664 666611	2	2	2-3-4-7	7
"	12.6	90	90	2114156 311111	2	1	4-6-8-9	4	17GJ5	19	55	95	3512166 161114	2	1	1-2-3-C	C
16MY8	12.6	73	73	2411111 115111	2	2	2-10-11	2	17GT5	19	90	82	3512166 641111	2	1	1-2-3-9	9
"	12.6	90	90	2114156 311111	2	1	4-6-8-9	4									
16Y9	12.6	60	60	1111211 531114	1	3	7-8-9-C	C	17GU5	19	55	25	5112431 111111	2	3	1-5-6-7	5
"	12.6	85	80	5134211 111111	1	3	1-2-3-4	4	17GV5	19	85	85	2131516 166614	2	1	3-4-5-C	C
17A8	12.6	30	85	4112111 151111	2	2	1-8-9	1	17GW6	19	65	65	1163562 111114	3	1	4-5-8-C	C
"	12.6	30	70	1532141 111111	2	3	2-3-6-7	6	17H3	19	0	75	1141211 611111	2	1	1-3	3
17AB10	19	45	96	2614135 111111	2	4	4-6-7-8	4	17HB25A	12.6	65	78	5612136 111114	2	1	1-6-9-C	C
"	19	40	40	2311111 141511	2	2	2-3-9-11	9	17HC8	19	7	50	6151243 661111	4	2	2-3-6-7	6
17AV5	19	10	80	5111412 311111	4	1	1-3-5-8	5	"	19	7	90	5661266 141111	4	3	1-8-9	9
17AX3	19	0	80	2114111 116111	2	1	4-7	4	17JB6	12.6	95	70	3512166 161114	2	1	1-2-3-C	C
17AX4	19	0	32	6611412 111111	3	1	3-5	5	17JF6	12.6	70	80	3512166 661114	2	1	1-2-3-C	C
17AY3	19	0	25	6662164 611111	3	1	7-9	7	17JG6	19	40	40	3512166 641111	3	1	1-2-3-9	9
17BB14A	19	30	50	5612136 611114	3	1	1-3-6-C	C	17JK8	19	15	46	6661245 111111	2	3	6-7-8	6
17BE3	19	0	100	2114111 116111	1	1	4-7	4	"	19	15	45	4511266 611111	3	2	1-2-3	1
17BF11	12.6	50	55	2111111 513411	2	2	8-9-10-11	11	17JM6	19	83	85	2131566 666614	2	1	2-5-7-C	C
"	12.6	52	70	2151134 111111	3	3	2-3-6-7	7	17JN6	12.6	72	59	2131664 666511	3	1	2-3-4-7	7
17BH3	19	0	75	6662164 611111	2	1	7-9	7	17JQ6	12.6	13	54	4632165 611111	2	2	1-3-7-9	1
									17JR6	12.6	50	52	3512166 641111	3	1	1-2-3-9	9



TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
19Y3	19	0	80	6612166 641111	2	1	3-9	9	24AX4	25	0	32	6611412 111111	3	1	3-5	5
20	3.8	46	56	2351111 111111	2	3	2-3	2	24BF11	25	52	70	2151134 111111	3	3	2-3-6-7	7
20AQ3	19	0	75	6662166 641111	2	1	9-C	9	"	25	42	42	2111111 513411	2	2	8-9-10-11	11
20D4	6.3	92	92	3512143 661111	2	2	1-2-3-6-7	6	24GA7	25	70	60	2365164 166111	3	1	2-4-5-7	7
"	6.3	76	76	3512113 451111	1	3	8-9	8	"	25	0	75	2111161 166411	2	1	8-11	11
20EQ7	19	61	22	1511234 661111	2	3	2-3-6-7	7	24JE6	25	90	50	6512163 661114	2	1	2-3-7-C	C
"	19	65	50	6611266 511111	3	5	3-8	8	24JZ8	25	40	35	2114156 311111	2	2	4-6-8-9	4
"									"	25	70	70	2411111 115111	3	2	2-10-11	2
20EW7	19	70	70	1112145 111111	1	3	6-7-8	6									
"	19	60	60	4562111 111111	2	1	1-2-3	1	24LQ6	25	60	70	3512166 661114	1	2	1-2-3-C	C
20EZ7	19	40	60	2161114 511111	3	3	7-8-9	7	24LZ6	25	65	50	3512166 661114	1	2	1-2-3-C	C
"	19	40	60	2161541 111111	3	3	4-5-6	6	25A6	25	7	32	1233511 111111	4	2	3-4-5-8	3
20LF6	19	25	25	2131516 166614	1	2	2-3-5-C	C	25A7	25	55	73	1233551 111111	2	2	*	3
21A6	19	61	93	6512166 311114	2	1	2-3-C	C	"	*1-3-4-5-6-8							
21EX6	19	50	70	1211511 311114	3	1	3-5-8-C	C	"	25	0	75	1211131 111111	4	1	6	6
									25AC5	25	84	0	1231511 111111	4	2	3-5-8	3-10
21GY5	19	70	70	1631566 666624	1	2	3-4-5-C	C									
21HB5	19	75	85	2351664 666611	2	1	2-3-4-7	7	25AV5	25	10	80	5111412 311111	4	1	1-3-5-8	5
21HD5	19	85	86	1151364 666621	3	1	3-4-7	7	25AX4	25	0	32	6611412 111111	3	1	3-5	5
21HJ5	19	70	70	2156364 166611	2	1	2-3-5-7	7	25B5	25	7	65	5112426 111111	2	2	1-2-5-6	5
21JS6	19	65	65	2131516 166614	2	1	2-3-5-C	C	25B6	25	7	46	1233511 111111	2	2	3-4-5-8	3
									25B8	25	7	5	1233511 511115	4	3	*	3
21JV6	19	45	60	2136664 666511	3	1	2-3-7-11	7	"	*1-3-4-5-6-8-C							
21JZ6	19	52	79	2136566 666614	1	2	2-3-5-C	C	"	25	7	10	1233511 511115	2	5	5	5
21KA6	19	19	90	2131511 111614	2	1	3-4-5-10-C	C									
21KQ6▲	19	30	75	5632166 611114	2	1	1-3-9-C	C	25BB14▲	25	100	50	5612136 661114	2	1	1-3-6-C	C
21LG6	19	7	70	2161561 166314	2	1	4-5-11-C	C	25BK5	25	44	30	4151216 311111	4	2	1-3-6-9	1
									25BQ6	25	90	90	1163562 111114	1	2	4-5-8-C	C
21LR8	19	70	73	1112111 451111	3	2	1-8-9	8	25BR3	25	0	50	6661266 641111	4	1	9-C	9
"	19	25	25	6512143 111111	2	2	2-3-6-7	6	25C5	25	91	100	1521634 111111	2	1	1-2-6-7	7
21LU8	19	70	70	2411111 115111	2	2	2-10-11	2									
"	19	90	90	2114156 311111	2	1	4-6-8-9	4	25C6	25	7	90	1233511 111111	4	1	3-4-5-8	3
21MY8	19	73	73	2411111 115111	2	2	2-10-11	2	25CA5	25	90	20	1512634 111111	2	2	1-2-6-7	7
"	19	90	90	2114156 311111	2	1	4-6-8-9	4	25CD6	25	85	76	1211511 311114	2	1	3-5-8-C	C
22BH3	19	0	80	6662164 611111	2	1	7-9	7	25CG3	25	0	65	2114661 666111	2	1	4-7	4
22BH9	19	0	40	1611214 111111	4	1	7-9	7	25CK3	25	0	60	1462166 611111	2	1	7-9	2
22BW3	19	0	75	2114111 116111	2	1	4-7	4	25CM3	25	0	91	6462166 611111	1	1	2-9	2
22DE4	19	0	80	6611411 211111	2	1	3-5	5	25CT3	25	0	64	6462166 611111	2	1	2-9	2
22JF6	19	40	45	3512166 611114	3	1	1-2-3-C	C	25CU6	25	90	90	1163562 111114	1	2	4-5-8-C	C
22JG6	19	60	77	3512166 641111	2	1	1-2-3-9	9	25DK3	25	0	67	1462166 661111	2	1	2-C	2
22JR6	19	50	52	3512166 641111	3	1	1-2-3-9	9	25DK4	25	0	70	1121461 111111	2	1	5-7	5
22JU6	19	60	80	6512163 161114	2	1	2-3-7-C	C	25DL3	25	0	67	6462166 661111	2	1	2-C	2
22KM6	19	36	50	3512166 111114	3	1	1-2-3-C	C	25DN6	25	71	62	1211511 311114	4	1	3-5-8-C	C
22KV6	19	70	70	3512166 141111	2	1	1-2-3-9	9	25DQ6	25	75	95	1163562 111114	2	1	4-5-8-C	C
23JS6	19	65	65	2131516 166614	2	1	2-3-5-C	C	25DT5	25	7	25	3651261 641111	2	2	1-3-7-9	9
23MB6	19	38	37	2136516 166614	1	2	2-3-5-C	C	25E5	25	55	10	6263511 111114	2	2	4-5-8-C	C
23Z9	19	35	35	2661461 536611	2	2	5-7-8-9	5									
"	19	60	65	2661161 665411	3	2	7-10-11	11	25EC6	25	54	50	1211511 311114	3	1	3-5-8-C	C
"	19	60	65	2451161 666611	3	2	2-3-7	2	25EH5	25	47	47	1512634 111111	2	2	1-2-6-7	7
24A	2.5	7	85	2431111 111115	4	3	2-3-4-C	2	25F5	25	65	65	1521634 111111	2	2	1-2-6-7	7

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
25GB6	25	90	90	163562 111114	2	1	4-5-8-C	C	28D7	25	90	10	1666415 211111	1	3	5-6-7	5
25HX5▲	25	75	75	5162136 641111	1	2	1-2-6-9	9	"	25	90	10	1534616 211111	1	3	2-3-4-6	4
25JQ6	25	13	54	4632165 611111	2	2	1-3-7-9	1	28G85	25	7	65	3651261 641111	3	1	1-3-7-9	9
25JZ8	25	40	35	2114156 311111	2	2	4-6-8-9	4	28GB5▲	25	80	70	6512136 661114	2	1	2-3-6-C	C
"	25	70	70	2411111 115111	3	2	2-10-11	2	28HA6	25	67	50	1512134 661111	2	2	1-2-6-7	7
25L6	25	45	45	6143562 111111	2	2	3-4-5-8	3	28HD5	25	60	30	1151364 666621	2	2	3-4-7	7
25LX6	25	35	35	2136516 166614	1	2	2-3-5-C	C	29GK6	25	25	45	1511264 361111	3	2	1-2-7-8	7
25MP20	25	64	64	5112436 111111	2	2	1-2-5-6	5	29KQ6▲	25	30	75	5632166 611114	2	1	1-3-9-C	C
25N6	25	7	5	1244511 111111	4	2	3-4-5-8	3-4	29LE6▲	25	60	60	5632166 611114	1	2	1-3-9-C	C
25RK19	25	0	70	6662166 641111	2	1	9-C	9	30	2.0	7	77	2351111 111111	4	3	2-3	2
25S	2.0	7	10	2366511 111111	2	5	2-3-4	2	30A5	25	7	54	1521634 111111	2	2	1-2-6-7	7
"	2.0	7	10	2366511 111111	4	6	3-4	3-4	30AE3	25	0	35	6662166 641111	3	2	9-C	9
25W4	25	0	40	6611411 211111	3	1	3-5	5	30AG11	25	0	7	2146666 666611	1	2	2-3	3
25W6	25	45	45	6143562 111111	2	2	3-4-5-8	3	"	25	84	34	2661546 666611	1	3	4-5-6	6
25X6	25	0	75	1251311 111111	4	1	3-4-5-8	5	"	25	84	34	2666664 516611	1	3	7-8-9	7
"	25	0	75	1231111 111111	4	1	3	3	"	25	0	7	2666666 664111	1	2	10-11	10
25Y5	25	0	85	2511311 111111	4	1	2-3-4-5	5	30C18	7.5	70	75	6342165 161111	3	2	2-3-7-8	3
"	25	0	85	2311111 111111	4	1	2	2	"	7.5	30	30	4612166 151111	3	2	1-8-9	1
25Z5	25	0	71	1416621 111111	4	1	2-3	2	30CW5	25	7	50	6511264 631111	2	2	2-3-7-9	7
"	25	0	71	1661421 111111	4	1	4-5	5	30HD5	25	40	80	1151364 666621	1	2	3-4-7	7
25Z6	25	0	45	6141612 611111	4	1	3-4	3	30HJ5	25	70	70	2156364 166611	2	1	2-3-5-7	7
"	25	0	45	6166412 111111	4	1	5-8	5	30JZ6	25	52	79	2136511 116614	2	1	2-3-5-C	C
26	1.4	7	50	2351111 111111	4	3	2-3	2	30KD6	25	45	40	2131516 166614	2	1	2-3-5-C	C
26A6	25	7	28	5121431 111111	3	3	1-2-7	5	30KG6▲	25	50	50	5632166 611114	2	1	1-3-9-C	C
26A7	25	7	78	5154321 411111	1	2	*	4-8	30LW6	25	60	80	6136562 111114	2	1	2-3-5-C	C
26AQ8	*1-2-3-4-5-8	80	80	6662145 111111	2	2	6-7-8	6	30MB6	25	38	37	2136516 166614	1	2	2-3-5-C	C
"	25	80	80	4512166 611111	2	2	1-2-3	1	30MP23	25	88	94	1521634 111111	2	1	1-2-6-7	7
26BK6	25	7	90	5121663 111111	4	4	1-2-5-6	7	30MP27	25	86	94	1521634 111111	2	1	1-2-6-7	7
"	25	7	20	5121663 111111	4	6	5-6	5-6	30PL12	12.6	15	15	6152143 661111	3	2	2-3-6-7	6
26C6	25	7	96	5121664 111111	4	2	1-2-5-6-7	7	"	12.6	20	20	5662166 141111	2	4	1-8-9	9
"	25	7	25	5121664 111111	4	6	5-6	5-6	31	2.0	7	92	2351111 111111	4	2	2-3	2
26D6	25	7	84	1121431 111111	4	3	2-5-6	7	31AL10	19	90	94	1664321 511111	1	2	4-5-7-8	4
"	25	7	44	1121431 111111	4	3	6	6	"	19	43	75	1451621 611111	1	3	2-3-7	2
26DQ5	25	55	55	5213661 611114	2	1	1-3-4-C	C	"	19	50	84	1111121 141511	1	3	9-10-11	9
26E6	25	25	76	1243511 111111	4	1	3-4-5-8	3	31JS6	25	65	65	2131516 166614	2	1	2-3-5-C	C
26HU5	25	41	72	5131662 111114	2	1	1-2-3-C	C	31LQ6	25	60	70	3512166 661114	1	2	1-2-3-C	C
26HV5	25	65	75	2531664 666611	3	2	2-3-4-7	7	31LR8	25	70	73	1112111 451111	3	2	1-8-9	8
26LW6	25	60	80	6136562 111114	2	1	2-3-5-C	C	"	25	25	25	6512143 111111	2	2	2-3-6-7	6
26Z5	25	0	25	1112131 161111	2	2	1-6	6	31LZ6	25	65	50	3512166 661114	1	2	1-2-3-C	C
"	25	0	25	3112111 161111	2	2	1	1	32	2.0	7	58	2431111 111115	2	4	2-3-C	2
27	2.5	7	66	2351111 111111	4	3	2-3-4	2	32A8	25	85	85	5662166 141111	3	2	1-8-9	9
27GB5▲	25	80	70	6512136 661114	2	1	2-3-6-C	C	"	25	30	55	6152143 661111	2	2	2-3-6-7	6
27KG6▲	25	50	50	5632166 611114	2	1	1-3-9-C	C	32ET5	35	60	60	1521634 111111	2	2	1-2-6-7	7
27LF6	25	25	25	2131516 166614	1	2	2-3-5-C	C	32GA7	35	0	75	2111161 166411	2	1	8-11	11
									"	35	70	60	2365164 166111	3	1	2-4-5-7	7

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
32HQ7	35	0	70	2411166 116111	2	1	2-4	2	38HK7	35	75	75	2111466 156311	2	1	5-8-9-11	5
"	35	75	75	2111466 156311	2	1	5-8-9-11	5	"	35	0	70	2411166 116111	2	1	2-4	2
33	2.0	73	65	2453111 111111	3	2	2-3-4	2	39	6.3	21	64	2431111 111115	3	3	2-3-4-C	2
33GT7	35	80	80	2111416 153611	2	1	5-8-9-10	5	40FR5	35	50	60	1512634 111111	2	2	1-2-6-7	7
"	35	0	70	2411116 111111	2	1	2-4	2	40KD6	35	45	40	2131516 166614	2	1	2-3-5-C	C
33GY7	35	0	70	2411116 111111	2	1	2-4	2	40KG6▲	35	50	50	5632166 611114	2	1	1-3-9-C	C
"	35	56	80	2111416 156311	2	1	5-8-9-11	5									
33HE7	25	0	98	2461166 116111	1	1	2-4	2	41	6.3	80	65	2435111 111111	3	2	2-3-4-5	2
"	25	20	82	2161466 156311	2	1	5-8-9-11	5	42	6.3	30	65	2435111 111111	4	2	2-3-4-5	2
									42EC4▲	35	0	65	6412166 661111	2	1	2-C	2
33JR6	25	50	52	3512166 641111	3	1	1-2-3-9	9	42KN6	35	35	35	2131566 166614	2	1	2-3-5-C	C
33JV6	35	75	75	2136664 666511	2	1	2-3-4-7	7	43	25	20	30	2335111 111111	3	2	2-3-4-5	2
34	2.0	24	0	2431111 111115	2	4	2-3-C	2									
34CD3	35	0	55	2664661 666611	2	1	4-7	4	44	6.3	21	64	2431111 111115	3	3	2-3-4-C	2
34CE3	35	0	55	2664661 666611	2	1	4-7	4	45	2.5	7	44	2351111 111111	4	2	2-3	2
									45B5	50	80	85	6512164 631111	3	1	2-3-7-9	7
34CM3	35	0	91	6462166 611111	1	1	2-9	2	45Z3	50	0	78	2311161 111111	4	1	2-4	2
34DK3	35	0	67	1462166 661111	2	1	2-C	2	45Z5	50	0	70	1261311 111111	4	1	5-8	5
34GD5	35	70	70	1521634 111111	2	2	1-2-6-7	7									
34R3	35	0	65	6661266 641111	2	1	9-C	9	46	2.5	7	60	2353111 111111	4	2	2-3-4	2
35	2.0	28	51	2431111 111115	3	3	2-3-4-C	2	47	2.5	7	54	2354111 111111	4	2	2-3-4	2
									48	25	80	15	2355111 111111	4	2	2-3-4-5	2
35A5	35	7	80	1436651 211111	2	2	2-3-6-7	2	49	2.0	7	66	2353111 111111	2	3	2-3-4	2
35B5	35	90	38	5121336 111111	2	2	1-2-5-6	5	50	7.5	25	20	2351111 111111	4	2	2-3	2
35C5	35	91	100	1512634 111111	2	1	1-2-6-7	7									
35CD6	35	85	76	1211511 311114	2	1	3-5-8-C	C	50A5	50	7	66	1436651 211111	2	2	2-3-6-7	2
35DZ8	35	17	90	5661266 141111	1	4	1-8-9	9	50AX6	50	0	70	6141612 611111	4	1	3-4	3
"	35	40	20	6151243 661111	2	2	2-3-6-7	6	"	50	0	70	6166412 111111	4	1	5-8	5
									50B5	50	7	65	5112436 111111	2	2	1-2-5-6	5
35EH5	35	47	47	1512634 111111	2	2	1-2-6-7	7	50BK5	50	44	30	4151216 311111	4	2	1-3-6-9	1
35GL6	35	25	35	1521364 111111	2	2	1-2-5-7	7	50BM8	50	35	55	6152143 661111	2	2	2-3-6-7	6
35HB8	35	75	30	5141266 661111	3	2	1-2-3	3	"	50	70	85	5662166 141111	3	2	1-8-9	9
"	35	30	75	6661234 151111	2	3	6-7-8-9	7									
35L6	35	45	45	6143562 111111	2	2	3-4-5-8	3	50C5	50	91	100	1521634 111111	2	1	1-2-6-7	7
35LR6	35	50	30	2131516 166614	1	2	2-3-5-C	C	50C6	50	7	90	1233511 111111	4	1	3-4-5-8	3
35W4	35	0	70	1112461 111111	2	1	5-7	5	50CA5	50	90	20	1512634 111111	2	2	1-2-6-7	7
									50DC4	50	0	70	1112461 111111	2	1	5-7	5
35Y4	35	0	40	1416111 211111	4	1	2-7	2	50EH5	50	47	47	1512634 111111	2	2	1-2-6-7	7
35Z3	35	0	40	1411111 211111	4	1	2-7	2									
35Z4	35	0	40	1666462 111111	4	1	5-8	5	50FA5	50	60	30	1512634 111111	2	3	1-2-6-7	7
35Z5	35	0	65	1161412 111111	2	1	5-8	5	50FE5	50	70	75	1243511 111111	3	1	3-4-5-8	3
35Z6	35	0	72	1251311 111111	4	1	3-4-5-8	5	50FK5	50	7	45	1512634 111111	3	2	1-2-6-7	7
"	35	0	72	1231111 111111	4	1	3	3	50FY8	50	30	40	5662166 141111	1	4	1-8-9	9
									"	50	30	70	6152143 661111	4	1	2-3-6-7	6
36	6.3	7	91	2431111 111115	4	3	2-3-4-C	2									
36AM3	35	0	25	1121461 111111	3	1	5-7	5	50GY7	50	56	80	2111416 156311	2	1	5-8-9-11	5
36KD6	35	45	40	2131516 166614	2	1	2-3-5-C	C	"	50	0	70	2411116 111111	2	1	2-4	2
36MC6	35	95	95	3512166 661114	1	1	1-2-3-C	C	50HC6	50	35	60	1521364 111111	2	2	1-2-5-7	7
37	6.3	26	39	2351111 111111	3	3	2-3-4	2	50HK6	50	30	25	1521364 111111	2	2	1-2-5-7	7
38	6.3	7	67	2441111 111115	4	2	2-3-4-C	2	50HN5	50	35	35	5612164 631111	2	2	1-3-7-9	7
38HE7	35	17	80	2161466 156311	2	1	5-8-9-11	5	50JY6	50	80	85	6263561 111114	2	1	4-5-8-C	C
"	35	0	95	2461166 116111	1	1	2-4	2	50L6	50	45	45	6143562 111111	2	2	3-4-5-8	3

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
50X6	50	0	45	1141166 211111	4	1	2-3	3	117M7	117	0	60	1211131 111111	4	1	1-6	6
"	50	0	45	1661141 211111	4	1	6-7	6	"	117	30	0	1235311 111111	3	2	3-4-5-6-8	3
50Y6	50	0	45	6141612 611111	4	1	3-4	3	117P7	117	50	98	1235311 111111	3	1	4-5-6	3
"	50	0	45	6166412 111111	4	1	5-8	5	117Z3	117	0	74	6121311 111111	4	1	5-6	5
50Y7	50	0	75	1141662 611111	4	1	3-4	4	117Z4	117	0	75	1211311 111111	4	1	5-8	5
"	50	0	75	1166462 111111	4	1	5-8	4	VR150	70	0	73	1211311 111111	4	2	5	5
50Z7	50	0	75	1251361 111111	4	1	3-4-5-8	5	150C2	117	0	10	2161666 111111	1	3	1	1
"	50	0	75	1231161 111111	4	1	3	3	150C3	70	0	73	1211311 111111	4	2	5	5
51	2.0	28	51	2431111 111115	3	3	2-3-4-C	2	182B	5.0	7	55	2351111 111111	4	2	2-3	2
52	6.3	7	51	2453111 111111	4	2	2-3-4	2	183B	5.0	7	23	2351111 111111	4	2	2-3	2
53	2.5	16	10	2451541 111111	2	4	2-3-4-5-6	2-6	403B	6.3	35	52	5121436 111111	2	3	1-2-5-6	5
53HK7	50	0	56	2411166 116111	2	1	2-4	2									
"	50	62	62	2111466 156311	2	1	5-8-9-11	5	407A	35	85	90	2111645 111111	2	2	6-7-8	6
55	2.5	25	30	2366111 111115	3	3	2-3-4-5-6	2	"	35	85	90	2154611 111111	2	2	2-3-4	4
"	2.5	7	25	2366111 111115	4	6	3-4	3-4	482B	5.0	7	55	2351111 111111	4	2	2-3	2
56	2.5	7	74	2351111 111111	4	3	2-3-4	2	483	5.0	7	23	2351111 111111	4	2	2-3	2
57	2.5	15	45	2431111 111115	2	4	2-3-5-C	2	484	2.8	17	61	2451111 111111	2	3	3-4	2
58	2.5	34	25	2431111 111115	3	3	2-3-5-C	2	485	2.8	17	61	2451111 111111	2	3	3-4	2
58HE7	50	0	95	2461166 116111	1	1	2-4	2	502X	6.3	0	70	1231211 111111	4	1	3-5-8	3
"	50	17	80	2161466 156311	2	1	5-8-9-11	5	"	6.3	0	70	1231111 111111	4	1	3	3
59	2.5	50	35	2435111 111111	4	2	2-3-4-6	2	CK512AX	.625	7	100	3325111 111111	2	5	1-2	1
60FX5	50	55	60	1512634 111111	2	2	1-2-6-7	7	CK526AX	1.25	40	90	4325111 111111	2	3	1-2-4	1
									CK533AX	1.25	7	70	3325111 111111	1	5	1-2-4	1
KT66	6.3	65	65	1143562 111111	2	2	3-4-5-8	3	802	6.3	25	41	2645111 111114	3	2	4-5-6	C
70L7	70	7	97	1233511 511111	4	1	1-3-4-6-8	3									
"	70	0	70	1213561 311111	4	1	8	8	807	6.3	45	45	2351111 111114	3	1	2-3-4-C	C
71A	5.0	7	38	2351111 111111	4	2	2-3	2	816	25	0	66	2111111 111113	4	1	C	C
76	6.3	7	77	2351111 111111	4	3	2-3-4	2	864	1.25	7	90	2351111 111111	4	3	3	2
77	6.3	7	98	2431111 111115	4	3	2-3-5-C	2	866	2.5	0	70	2111111 111113	4	1	C	C
									879	2.5	0	60	2111111 111113	4	3	C	C
79	6.3	46	66	2451411 111115	3	3	2-3-4-5-C	5									
"	6.3	46	66	2451111 111115	3	3	2	2	TJ880	6.3	44	48	1511264 361111	2	2	1-2-7-8	7
80	5.0	0	60	2411111 111111	1	2		2	950	2.0	50	42	2453111 111111	2	3	2-3	2
"	5.0	0	60	2141111 111111	1	2		3	955	6.3	21	54	2135111 111111	3	3	3-5	2
81	7.5	0	72	2411111 111111	4	1	2	2	957	1.25	7	34	2131111 511111	4	4	3	2
82	2.5	0	76	2131111 111111	4	1	2-3	3	958	1.25	7	5	2135116 111112	4	3	2	2
"	2.5	0	76	2311111 111111	4	1	2	2									
83V	5.0	0	80	2131111 111111	4	1	2-3-4	3	1201	6.3	16	60	5241666 111111	2	3	1-3-4	3
"	5.0	0	80	2311111 111111	4	1	2	2	1203A	6.3	0	75	2113111 111111	1	3	4-7	4
									1232	6.3	7	45	2431651 111111	4	3	2-3-6-7	2
84	6.3	0	83	1461211 111111	4	1	2-4	2	1267	0	0	50	1311413 111111	4	2	7	5
"	6.3	0	83	1641211 111111	4	1	3-4	3	"	0	0	50	1211413 111111	4	2	5	5
85	6.3	35	34	2366111 111115	3	3	2-3-4-5-C	2	1274	6.3	0	84	6161412 111111	4	1	5-8	5
"	6.3	7	25	2366111 111115	4	6	3-4	3-4	"	6.3	0	84	6141612 111111	4	1	3-8	3
85A2	25	0	50	4266666 111111	1	3	1-3	1									
KT88	6.3	95	95	1143562 111111	2	1	3-4-5-8	3	1275	5.0	0	35	1462111 111111	4	1	2	2
89	6.3	7	85	2431111 111115	4	2	2-3-5-C	2	"	5.0	0	35	1642111 111111	4	1	3	3
108C1	0	0	67	4166666 111111	2	3	1	1	1276	4.2	7	65	1432111 111111	4	2	2-3	2
117L7	117	0	60	1211131 111111	4	1	1-6	6	1280	12.6	7	50	1431151 211111	2	4	2-3-6-7	2
"	117	30	0	1235311 111111	3	2	3-4-5-6-8	3	1284	12.6	7	65	1431151 211111	4	2	2-3-6-7	2

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
1291	2.8	45	34	2356153 111111	3	3	2-3-6	7	5718	6.3	10	95	5616126 411111	2	2	1-5-8	8
1293	1.4	20	61	1411651 211111	2	3	2-6	2	5719	6.3	7	83	5616126 411111	1	4	1-5-8	8
1294	1.4	7	17	1114111 211111	4	6	4-7	4	5722	5.0	40	50	4112166 111111	2	2	1	1
1299	1.4	29	5	1434156 211111	2	3	2-3-6	2	5725	6.3	22	65	5121431 111111	2	3	1-2-5-6	5
1602	1.5	7	0	2351111 111111	4	3	3	2	5726	6.3	88	58	1521115 111111	1	6	1-2-5-7	2-7
1603	6.3	16	41	2431111 111115	2	4	4-5-6	2	5727	6.3	0	100	5121346 111111	1	1	1-2-5-6	6
1609	1.25	7	59	2453111 111111	2	4	2-3	2	5749	6.3	40	90	5112431 111111	3	2	1-5-6-7	5
1611	6.3	45	75	1243511 111111	3	2	3-4-5-8	3	5750	6.3	7	65	5121431 111111	2	4	1-2-5-6-7	5
1612	6.3	7	72	1143112 111115	4	3	3-4-8-C	3	5751	12.6	20	50	4511266 661111	2	4	1-2-3	1
1614	6.3	91	76	6143562 111111	4	1	3-4-5-8	3	"	12.6	20	50	6661245 161111	2	4	6-7-8	6
1619	2.5	25	15	1244511 111111	4	2	5-8	3	CK5755	12.6	83	40	4152166 661111	1	4	1-2-3	1
1620	6.3	16	46	1243111 111115	2	4	5-8-C	3	"	12.6	83	40	1112151 461111	1	4	6-7-8	8
1621	6.3	25	27	1244511 111111	4	2	1-3-5-8	3	5763	6.3	70	92	4112131 561111	4	1	3-7-8	1
1625	12.6	15	91	1135112 111114	4	1	3-4-6-C	C	5814	12.6	20	80	4511266 661111	3	2	1-2-3	1
1626	12.6	20	70	1141512 111111	2	2	3-5-8	3	"	12.6	20	84	6661245 161111	3	2	6-7-8	6
1628	12.6	15	15	1241511 111111	3	2	3-5-8	3	5823	70	0	70	4626616 611111	3	1	1	1
1629	12.6	23	65	1244511 111111	4	3	3-4-5-8	3	5824	25	7	35	6143562 111111	2	2	3-4-5-8	3
1635	6.3	20	50	1145542 111111	3	4	3-4-5-6-8	3-6	5840	6.3	7	85	5116423 611111	2	3	1-2-5-7	5
1642	6.3	23	26	2135311 111115	3	3	2-3-5-6	5	5842	6.3	7	95	4115616 621111	2	2	1-4-6	1
"	6.3	23	26	2135311 111115	3	3	3	3	5844	6.3	70	65	4612651 111111	2	2	1-6-7	1
1852	6.3	13	87	1215131 411111	4	2	3-4-5	8	"	6.3	70	65	6412561 111111	2	2	2-5-7	2
1853	6.3	40	94	1215131 411111	3	2	3-4-5	8	5845	5.0	7	95	6112416 111111	1	3	5	5
2050	6.3	0	40	1161632 111111	1	3	6-8	6	"	5.0	7	95	4112616 111111	1	3	1	1
5618	2.8	10	25	1431252 111111	2	3	2-3-4-6	2	5847	6.3	18	90	5111141 321111	2	2	1-4-6-8	6
5636	6.3	7	83	5111423 611111	2	4	1-2-5-7	5	5851	1.4	7	35	1141632 511111	2	2	3-6-8	3
5639	6.3	80	10	5116423 611111	2	3	1-2-5-7	5	5871	6.3	21	98	6143562 111111	4	1	3-4-5-8	3
5641	6.3	0	19	1416121 611111	4	2	2-5	2	5879	6.3	45	60	5111213 411111	3	3	1-3-7-8	8
5642	1.25	0	100	1111111 211114	1	3	C	C	5881	6.3	35	82	6143562 111111	4	1	3-4-5-8	3
5644	6.3	0	67	4116111 611111	3	2	1	1	5896	6.3	0	75	6611421 111111	2	2	5-7	5
5651	0	0	73	4166666 111111	2	2	1	1	"	6.3	0	75	4111626 111111	2	2	1-2	1
5654	6.3	22	60	5121436 111111	2	3	1-2-5-6	5	5899	6.3	50	40	5116423 611111	2	3	1-2-5-7	5
5663	6.3	0	100	1121314 111111	1	1	1-7	7	5902	6.3	7	80	5116423 611111	2	2	1-2-5-7	5
5670	6.3	30	30	2154145 111111	2	3	*	4-6	5903	25	0	95	6611421 111111	2	3	5-7	5
"	*2-3-4-6-7-8								"	25	0	95	4111626 111111	2	3	1-2	1
CK5672	1.25	55	55	4325111 111111	2	3	1-2	1	5904	25	10	95	5616126 411111	1	3	1-5-8	8
5678	1.25	23	40	4315211 111111	1	5	1-2-4	1	5905	25	15	95	5116423 611111	1	3	1-2-5-7	5
5686	6.3	40	75	1562134 661111	3	2	1-2-6-7	7	5906	25	7	70	5116423 611111	2	3	1-2-5-7	5
5687	6.3	7	80	4511266 661111	1	3	1-2-3	1	5907	25	7	95	5116423 611111	1	3	1-2-5-7	5
"	6.3	7	80	6661215 641111	1	3	6-7-9	9	5908	25	7	80	5111423 611111	1	4	1-2-5-7	5
5691	6.3	20	80	1115412 111111	3	3	4-5-6	5	5910	1.4	7	95	1431652 111111	1	3	2-3-6	2
"	6.3	20	80	5411112 111111	3	3	1-2-3	2	5915	6.3	7	56	5121431 111111	3	3	1-2-5-6-7	5
5692	6.3	15	60	5411112 111111	2	3	1-2-3	2	5916	25	15	60	5111423 611111	2	3	1-2-5-7	5
"	6.3	15	60	1115412 111111	2	3	4-5-6	5	5930	2.5	17	82	2351111 111111	4	1	2-3	2
5693	6.3	20	5	6115132 411111	2	4	4-5-6-8	8	5931	5.0	0	35	1214111 111111	4	1	4	4
5696	6.3	0	85	5112346 111111	1	1	1-2-5-6	6	"	5.0	0	35	1211141 111111	4	1	6	6

TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
5932	6.3	35	82	6143562 111111	4	1	3-4-5-8	3	6110	6.3	40	50	6611421 111111	2	2	5-7	5
5933	6.3	15	91	1351211 111114	4	1	2-3-4-C	C	"	6.3	40	50	4111626 111111	2	2	1-2	1
5963	12.6	20	15	1112145 161111	2	3	6-7-8	6	6111	6.3	85	60	6616125 411111	2	2	5-7-8	8
"	12.6	20	15	4512111 161111	2	3	1-2-3	1	"	6.3	85	60	4511626 611111	2	2	1-2-4	1
5964	6.3	45	45	6412561 111111	3	2	2-5-7	2	6112	6.3	7	53	6616125 411111	2	4	5-7-8	8
"	6.3	45	45	4612651 111111	3	2	1-6-7	1	"	6.3	7	45	4511626 611111	2	4	1-2-4	1
5965	12.6	20	50	6661245 161111	4	2	6-7-8	6	6118	6.3	85	60	1146612 111115	2	2	3-8-C	3
"	12.6	20	40	4511266 661111	4	2	1-2-3	1	"	6.3	85	60	1165512 111116	2	2	4-5-8	4-5
5968	1.4	10	90	4152666 611111	1	5	1-3	1	6134	6.3	13	87	1215131 411111	4	2	3-4-5	8
"	1.4	10	90	6162656 411111	1	5	6-8	8	6135	6.3	40	95	4612651 111111	3	2	1-6-7	1
5969	1.4	7	50	1534466 211111	2	3	2-3-4-5	4-5	6136	6.3	60	5	5112331 111111	3	3	1-6-7	1
5970	1.4	10	90	1534466 211111	1	4	2-3-4-5	4-5	6137	6.3	15	13	1215131 411111	3	3	3-4-5-6	8
5977	6.3	10	95	5616126 411111	2	2	1-5-8	8	6145	6.3	7	45	1431151 211111	2	2	2-3-6-7	2
5987	6.3	80	10	5416121 611111	2	3	1-2-5	2	6146	6.3	40	20	1136562 111114	2	2	1-3-5-C	C
5998	6.3	7	45	1115412 111111	1	1	4-5-6	5	6147	1.25	50	75	1141632 511111	2	3	3-6-8	3
"	6.3	7	45	5411112 111111	1	1	1-2-3	2	6159	25	40	90	1236561 111114	3	1	1-3-5-C	C
6000	25	7	0	5111412 311111	2	1	1-3-5-8	5	6186	6.3	16	81	5121436 111111	2	3	1-2-5-6	5
6005	6.3	20	40	5112436 111111	2	3	1-2-5-6	5	6188	6.3	7	88	5112431 111111	4	4	1-2-5-6	5
6012	6.3	0	70	1251411 311111	2	1	1-3-5-8	5	"	6.3	7	88	1115412 111111	2	3	4-5-6	5
6021	6.3	7	60	6616125 411111	2	3	5-7-8	8	"	6.3	7	88	5411112 111111	2	3	1-2-3	2
"	6.3	7	70	4511616 611111	2	3	1-2-4	1	6189	6.3	45	18	6661245 161111	2	3	6-7-8	6
6028	19	7	95	5121436 111111	2	3	1-2-5-6	5	6201	12.6	20	60	4511266 661111	2	3	1-2-3	1
6072	12.6	16	98	3512135 161111	3	3	2-3-7-8	1-6	"	12.6	20	65	6661245 161111	2	3	6-7-8	6
6073	117	0	10	2161666 111111	1	3	1	1	6202	6.3	0	86	5121131 111111	4	1	1-6-7	6
6074	0	0	67	4166666 111111	2	3	1	1	"	6.3	0	86	3121111 111111	4	1	1	1
6080	6.3	15	10	5411112 111111	2	1	1-2-3	2	6205	6.3	25	50	5111423 611111	2	3	1-2-5-7	5
"	6.3	15	10	1115412 111111	2	1	4-5-6	5	6206	6.3	50	50	5111423 611111	3	3	1-2-5-7	5
6082	25	7	50	1115412 111111	4	1	4-5-6	5	6211	12.6	25	10	4512111 161111	2	3	1-2-3	1
"	25	7	50	5411112 111111	2	1	1-2-3	2	"	12.6	25	10	1112145 161111	2	3	6-7-8	6
6084	6.3	75	32	3612146 151111	2	3	1-3-6-9	6	6216	6.3	20	50	4511263 611111	2	2	1-2-3-7	1
6085	12.6	46	27	4512111 161111	2	3	1-2-3	1	6227	6.3	55	55	1512114 311111	3	2	2-3-7-8	7
"	12.6	46	27	1112145 161111	2	3	6-7-8	6	6265	6.3	45	42	5121431 111111	3	3	1-2-5-6-7	5
6087	5.0	0	55	1214111 111111	4	1	4	4	6267	6.3	20	30	3112141 151111	4	3	1-3-6-9	6
"	5.0	0	55	1211141 111111	4	1	4-6	6	CK6293	6.3	18	33	1236561 111114	2	2	1-3-5-C	C
6095	6.3	67	20	5112436 111111	2	3	1-2-5-6	5	6336	6.3	7	45	1115412 111111	1	1	4-5-6	5
6096	6.3	67	20	5112436 111111	2	3	1-2-5-6	5	"	6.3	7	45	5411112 111111	1	1	1-2-3	2
6097	6.3	88	68	1521111 111111	1	6	1-2-5-7	2	6350	6.3	55	55	4151166 621111	2	2	1-2-3	1
"	6.3	88	68	6621115 111111	1	6	5-7	7	"	6.3	55	55	6661141 521111	2	2	6-7-8	6
6098	6.3	7	73	1141315 211111	4	1	1-3-5-7	3	6352	2.8	15	90	1666424 611111	1	4	5-7	5-7
6099	6.3	23	35	6412561 111111	2	3	2-5-7	2	6354	0	20	70	4166666 111111	4	4	1	1
"	6.3	23	35	4612651 111111	2	3	1-6-7	1	6360	12.6	35	50	5162143 161111	3	2	1-2-6-7	6
6100	6.3	40	15	4612651 111111	2	3	1-6-7	1	"	12.6	35	50	6152113 461111	3	2	2-3-7-8	8
6101	6.3	23	35	6412561 111111	2	3	2-5-7	2	6386	6.3	75	75	2154145 111111	2	2	*	4-6
"	6.3	23	35	4612651 111111	2	3	1-6-7	1	"	*2-3-4-6-7-8							
6106	5.0	0	55	1211141 111111	4	1	4-6	6	6394	25	7	45	1115412 111111	1	1	4-5-6	5
"	5.0	0	55	1214111 111111	4	1	4	4	"	25	7	45	5411112 111111	1	1	1-2-3	2









TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT	TUBE	FIL.	GR.	PL.	LEVERS	V	S	LEAK	MERIT
EY81	6.3	0	6	6662166 641111	1	2	9-C	9	PABC90	9.0	17	82	6612161 541111	2	3	1-2-3-7-8	9
EY82	6.3	0	27	6612166 641111	4	1	3-9	9	"	9.0	0	98	4612161 541111	1	1	1-2	1-2
EY86	6.3	0	58	1216661 611114	2	3	C	C	PC86	3.8	75	40	4512166 661111	2	2	1-2-3	1
EY500▲	6.3	0	65	6412166 661111	2	1	2-C	2	PC900	4.2	90	96	5121466 111111	1	2	1-2-5	5
EZ35	6.3	0	50	6141612 111111	4	1	3-8	3	PCC84	6.3	7	22	1542151 641111	2	3	1-2-3-6-7	3-9
"	6.3	0	50	6161412 111111	4	1	5-8	5	PCC85	9.0	80	80	6662145 111111	2	2	6-7-8	6
"	6.3	0	50	6161412 111111	4	1	5-8	5	"	9.0	80	80	4512166 611111	2	2	1-2-3	1
EZ80	6.3	0	85	4612166 111111	2	1	1-3	1	"	9.0	80	80	4512166 611111	2	2	1-2-3	1
"	6.3	0	85	6612164 111111	2	1	3-7	7	PCC88	7.5	50	50	6661245 111111	2	2	6-7-8	6
EZ81	6.3	0	70	4612166 111111	2	1	1-3	1	"	7.5	50	50	4511266 611111	2	2	1-2-3	1
"	6.3	0	70	6612164 111111	2	1	3-7	7	PCC89	7.5	77	85	6661251 641111	3	2	6-7-9	9
GY501▲	2.8	0	65	2666666 161114	2	3	C	C	"	7.5	77	85	1541266 661111	3	2	1-2-3	3
GZ32	5.0	0	65	1214111 111111	2	1	4	4	PCF80	9.0	30	85	4112111 151111	2	2	1-8-9	1
"	5.0	0	65	1211141 111111	2	1	6	6	"	9.0	30	70	1532141 111111	2	3	2-3-6-7	6
GZ34	5.0	0	41	1114161 211111	4	1	4	4	PCF82	9.0	44	73	6531241 661111	2	3	2-3-6-7	6
"	5.0	0	41	1116141 211111	4	1	6	6	"	9.0	55	40	4661266 151111	2	2	1-8-9	1
"	5.0	0	41	1116141 211111	4	1	6	6	PCF86	7.5	30	40	1561266 431111	2	3	1-2-8-9	8
HCC85	12	7	20	4512145 111111	3	3	2-3-7-8	1-6	"	7.5	93	90	1661254 661111	1	2	1-6-7	7
HL94	25	7	54	1521634 111111	2	2	1-2-6-7	7	"	7.5	93	90	1661254 661111	1	2	1-6-7	7
HY90	35	0	70	1112461 111111	2	1	5-7	5	PCF200■	7.5	65	65	6151214 311111	1	4	2-3-7-8	7
LC900	28	90	96	5121466 111111	1	2	1-2-5	5	"	7.5	65	65	1611216 141115	1	4	1-9-C	9
LCF80	6.3	50	70	6531241 661111	4	2	2-3-6-7	6	PCF201■	7.5	35	40	6151214 311111	1	4	2-3-7-8	7
"	6.3	35	70	4661266 151111	2	2	1-8-9	1	"	7.5	50	50	1611216 141115	1	3	1-9-C	9
LCF200■	6.3	65	65	1611216 141115	1	4	1-9-C	9	PCF801	7.5	22	22	1661266 451111	2	2	1-8-9	8
"	6.3	45	45	6151214 311111	1	4	2-3-7-8	7	"	7.5	46	46	1561243 661111	3	3	1-2-6-7	6
LCF201■	6.3	50	50	1611216 141115	1	3	1-9-C	9	PCF802	9.0	30	20	4112111 151111	3	3	1-8-9	1
"	6.3	35	40	6151214 311111	1	4	2-3-7-8	7	"	9.0	30	40	1532141 111111	3	3	2-3-6-7	6
LCF802	6.3	75	65	1532141 111111	3	2	2-3-6-7	6	PCF805	6.3	70	75	6342165 161111	3	2	2-3-7-8	3
"	6.3	65	65	4112111 151111	3	2	1-8-9	1	"	6.3	30	30	4612166 151111	3	2	1-8-9	1
LCH200■	5.0	65	65	1153214 111111	1	4	1-3-4-7	7	PCH200■	9.0	55	55	1111211 511114	1	3	8-9-C	C
"	5.0	55	55	1111211 511114	1	3	8-9-C	C	"	9.0	65	65	1153214 111111	1	4	1-3-4-7	7
LCL84	9.0	30	55	5412111 111111	2	3	1-2-3	2	PCL82	12.6	20	20	5662166 141111	2	4	1-8-9	9
"	9.0	30	20	1112141 531111	2	3	6-7-8-9	6	"	12.6	15	15	6152143 661111	3	2	2-3-6-7	6
LCL85	9.0	35	60	1112143 151111	2	2	6-7-8-9	6	PCL85	19	35	45	1112143 151111	2	2	6-7-8-9	6
"	9.0	60	75	4512111 111111	3	2	1-2-3	1	"	19	60	75	4512111 111111	3	2	1-2-3	1
LF183	4.2	30	40	1561214 311111	2	3	1-2-7-8	7	PD500▲	9.0	60	15	1662166 561114	4	5	1-8-C	C
LF184	4.2	53	76	1561214 311111	3	2	1-2-7-8-9	7	PFL200■	12.6	60	60	1111211 531114	1	3	7-8-9-C	C
LFL200■	9.0	60	60	1111211 531114	1	3	7-8-9-C	C	"	12.6	85	80	5134211 111111	1	3	1-2-3-4	4
"	9.0	85	80	5134211 111111	1	3	1-2-3-4	4	PL36	25	7	15	6263511 111114	2	2	4-5-8	C
LL86	9.0	25	35	6512164 631111	2	2	2-3-7-9	7	PL81	19	61	93	6512166 311114	2	1	2-3-9	C
LL500▲	19	80	75	6512136 661114	2	1	2-3-6-C	C	PL500▲	25	80	70	6512136 661114	2	1	2-3-6-C	C
LL509▲	25	50	50	5632166 611114	2	1	1-3-9-C	C	PL504▲	25	80	70	6512136 661114	2	1	2-3-6-C	C
LL521▲	19	30	72	5632166 611114	2	1	1-3-9-C	C	PL505▲	35	50	50	5632166 611114	2	1	1-3-9-C	C
LL802	9.0	48	35	1562134 661111	2	2	1-2-6-7	7	PL521▲	25	30	75	5632166 611114	2	1	1-3-9-C	C
N14	1.4	29	41	1233511 111111	2	3	3-5	3	PL1267	0	0	50	1311413 111111	4	2	7	5
N22LL▲	19	27	80	5612136 641111	2	1	1-3-6-9	9	"	0	0	50	1211413 111111	4	2	5	5
PABC80	9.0	17	82	6612161 541111	2	3	1-2-3-7-8	9	PM04	6.3	40	90	5121431 111111	3	2	1-5-6-7	5
"	9.0	0	98	4612161 541111	1	1	1-2	1-2	PY81	19	0	20	6661266 641111	1	2	9-C	9

