

7511

TUBE DATA

FOR

EICO MODEL

667 TUBE TESTER

The logo for EICO, featuring the word "EICO" in a bold, italicized, sans-serif font. The letters are white with a black outline, set against a black background that forms a stylized, elongated shape behind the text. The logo is centered horizontally and sits above a thick black horizontal line that spans most of the width of the page.

EICO

283 Malta Street, Brooklyn, N. Y. 11207

CAUTION

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.

(AUTHORIZED  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	1B8	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	"	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	1BC2	1.25	0	90	2116161 161114	3	2	C	C		
O1A	5.0	7	91	2351111 111111	2	3	2-3	2	1BK2	1.4	0	76	6266661 611114	2	3	C	C		
1A3	1.25	7	21	1411662 111111	4	6	2-3	2	"	No short test.									
1A4P	2.0	7	38	2431111 111115	2	4	3-C	2	1BX2	1.4	0	95	6612161 661114	2	3	C	C		
1A4T	2.0	7	51	2431111 111115	2	4	2-C	2	"	No short test.									
1A5	1.25	39	84	1143512 111111	2	3	3-4-5	3	1BY2	1.25	0	100	1666666 266664	2	3	-	C		
1A6	2.0	30	62	2445311 111112	2	4	2-3-4-5	2	"	Good tube reads above 30. No short test.									
"	2.0	30	35	2445311 111112	2	4	3	3	1C3	1.4	7	84	2315151 111111	4	3	2-4	2		
1A7	1.25	70	20	1141532 111111	2	3	3-5-6	3	1C5	1.4	29	41	1233511 111111	2	3	3-5	3		
1AB6	1.4	40	20	1435352 111111	1	5	2-3-4-5-6	2	1C6	2.0	40	65	2445311 111112	2	4	2-4-5	2		
1AC5	1.25	7	25	1511214 311111	2	4	2-7-8	7	"	2.0	40	90	2445311 111112	2	3	3	3		
1AD2	1.25	0	90	2661666 661614	3	3	C	C	1C7	2.0	50	77	1243541 111112	2	4	3-4-5	3		
1AD4	1.25	7	37	4351211 111111	3	3	1-2-5	1	"	2.0	50	75	1243541 111112	2	3	6	6		
"	Good tube reads above 50								1C8	1.25	35	72	6511233 511111	1	5	2-6-7	6		
1AD5	1.25	20	62	1511214 311111	2	4	2-7-8	7	"	1.25	35	29	6511233 511111	1	5	7	7		
1AE4	1.25	7	95	1436652 111111	4	3	2-3-6	2	1D5	2.0	7	29	1243111 111115	2	4	3-C	3		
1AF4	1.25	7	50	1436652 111111	4	4	2-3-6	2	1D7	2.0	35	72	1243531 111112	2	4	3-4-5	3		
1AF5	1.4	0	100	1156662 111111	4	6	4-5-6	5	"	2.0	35	20	1243531 111112	2	4	6	6		
"	1.4	25	60	1113452 111111	4	5	3	3	1D8	1.4	26	75	1233531 611115	2	3	3-4-5-6-8	3		
1AG4	1.25	70	8	4325111 111111	1	4	1-2-4	1	"	1.4	7	82	1233531 611115	3	4	6	6		
1AH4	1.25	7	86	3315211 111111	2	4	1-2-4	1	"	1.4	7	22	1233531 611115	4	6	8	8		
1AJ2	1.25	0	60	1166666 661624	2	5	C	C	1D13	1.25	7	21	1411662 111111	4	6	2-3	2		
1AJ4	1.4	50	95	1436652 111111	1	4	3-6	2	1DG3	1.25	0	30	1616661 211114	3	3	-	C		
1AJ5	1.25	7	84	3361521 111111	2	4	1-2-3-5	1	"	Good tube reads above 20. No short test.									
"	1.25	7	25	3361521 111111	4	6	3	3	1DK1	1.25	0	70	1211111 111114	3	2	C	C		
1AK4	1.25	7	0	3315211 111111	2	5	1-2-4	1	"	Insert 2 base leads into pins 1&2 of 9 pin min. socket. Cap goes to top lead. Good tube reads above 20.									
1AN5	1.25	7	75	1431652 111111	2	4	2-3-6	2	1DK29	1.25	0	70	1211111 111114	3	2	C	C		
1AU2	1.25	0	60	6662166 641111	3	3	9	9	"	Insert 2 base leads into pins 1&2 of 9 pin min. socket. Cap goes to top lead. Good tube reads above 30.									
1AU3	1.25	0	60	6166662 611111	2	5	C	C	"	1.4	10	85	1115112 111111	2	5	4	4		
1AX2	1.4	0	40	6612161 661114	3	4	C	C	1DN5	1.4	7	50	1436152 111111	2	3	2	2		
1AX4	1.4	0	86	2116661 661113	4	4	C	C	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	"								
1G6	1.4	7	91	1235531 111111	3	4	3-4-5-6	3-6	1S4	1.4	7	44	1435162 111111	2	3	2-3-4	2
1H2	1.4	0	40	6216616 661114	3	3	C	C	1S5	1.4	20	80	1163452 111111	2	4	4-5-6	5
1H4	2.0	24	94	1231511 111111	2	3	3-5	3	"	1.4	50	85	1156662 111111	4	4	3	3
1H5	1.4	7	80	1141662 111115	2	5	3-C	3	1S6	1.4	20	70	4151261 311111	2	4	1-3-8	1
"	1.4	50	61	6161562 111116	2	5	5	5	"	1.4	7	20	6161251 611111	4	6	6	6
1H6	2.0	7	16	1236651 111111	2	5	3-4-5-6	3	1SA6	1.4	7	77	1215131 311111	2	4	3-4	8
"	2.0	7	15	1236651 111111	4	6	4-5	4-5	1SB6	1.4	20	69	1243611 511111	2	4	3-4	8
									"	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	1V5	Good tube reads above 20.			1511213 311111	1	4	2-7-8	7
1LC6	1.4	7	75	1435111 211111	2	4	2-3-4	2	1V6	1.25	45	85	3351132 111111	1	5	1-2-3-5	1-6
1LD5	1.4	27	36	1436151 211111	1	5	2-3-6	2	"	1.25	14	79					
"	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
									2A7	2.5	7	87	2334111 111111	4	3	2-3-5-6	2
1N5	1.4	7	79	1143112 111115	4	4	3-4-C	3	"	2.5	7	0	2334111 111111	4	4	4	4
1N6	1.4	34	92	1233561 111111	2	3	3-4-5-6	3	2AF4	2.0	77	77	4521166 111111	1	2	1-2-5	1
"	1.4	7	25	1233561 111111	4	6	6	6	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	3AU6	2.8	70	89	5112431 111111	3	2	1-5-6-7	5
2DV4	2.0	40	45	4615161 111121	3	2	1-4-7	1	"								
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	"								
2FH5	2.5	16	0	6521461 111111	2	3	2-5-7	5	3BL2	3.8	0	80	2661661 161614	3	2	C	C
2FQ5	2.5	60	70	1521416 111111	2	2	1-2-5	5	"	No short test.							
"									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
3LF4	2.8	23	29	2431156 111111	2	3	2-3-6	2	4DL4	4.2	55	65	5162166 461111	2	2	1-2-8	8
3MP26	3.8	25	25	5121436 111111	3	2	1-2-5-6	6	4DT6	4.2	29	86	5112431 111111	3	3	1-2-5-7	5
3MR24	2.8	42	42	5121431 111111	2	3	1-2-5-6	5	4EH7	4.2	30	40	1561214 311111	2	3	1-2-7-8	7
3MV7	2.8	42	42	5121431 111111	2	3	1-2-5-6	5	4EJ7	4.2	53	76	1561214 311111	3	2	1-2-7-8-9	7
3Q4	2.8	35	29	1453662 111111	2	3	2-3-4	2	4ES8	4.2	35	50	6662145 111111	2	2	6-7-8	6
									"	4.2	35	50	4512166 611111	2	2	1-2-3	1
3Q5	1.4	25	27	1243512 111111	2	3	3-4-5	3									
3S4	2.8	7	40	1453662 111111	2	3	2-3-4	2	4EW6	4.2	85	82	5121431 111111	3	2	1-2-5-6	5
3V4	2.8	30	34	2431651 111111	2	3	2	2	4GK5	4.2	30	90	1521466 111111	2	2	1-2-5	5
3Z4	2.8	0	80	1453662 111111	1	4	2-3-4	2	4GM6	4.2	30	70	5121436 111111	4	2	1-2-5-6	5
4A6	3.8	7	77	1235531 611111	1	4	3-4-5-6	3-6	4GS7	4.2	65	80	6611243 651111	3	2	3-6-7-9	6
									"	4.2	20	80	5411266 661111	2	2	1-2-3	2
4AB8	3.8	70	80	4512166 661111	3	2	1-2-3	1	4GS8	4.2	40	50	1341215 661111	2	4	1-2-3-7	3
"	3.8	60	75	6612146 351111	3	2	3-6-8-9	6	"	4.2	40	50	1361265 411111	2	4	1-2-7-8	8
4AU6	4.2	70	89	5112431 111111	3	2	1-5-6-7	5									
4AV6	4.2	25	85	5121664 111111	3	3	1-2-7	7	4GW5	4.2	67	96	4512161 111111	3	2	1-2-5	1
"	4.2	25	14	5121664 111111	4	6	5-6	5-6	4GX7	4.2	70	75	1562143 661111	3	2	1-2-6-7	6
4BA6	4.2	40	90	5112431 111111	3	2	1-5-6-7	5	"	4.2	45	40	1662166 451111	3	2	1-8-9	8
4BC5	4.2	30	20	5121436 111111	3	3	1-2-5-6	5	4GZ5	4.2	60	60	1512634 111111	3	2	1-2-6-7	7
									4HA5	4.2	90	96	5121466 111111	1	2	1-2-5	5
4BC8	4.2	20	10	6661245 111111	2	3	6-7-8	6	4HA7	4.2	50	72	2411611 611511	3	3	2-3-11	2
"	4.2	20	10	4511266 611111	2	3	1-2-3	1	"	4.2	50	72	2111611 654111	3	2	4-9-10	10
4BE6	4.2	30	96	5121431 111111	2	3	1-2-5-7	5									
4BL8	4.7	35	70	4661266 151111	2	2	1-8-9	1	4HC7	4.2	70	90	2111114 156111	2	2	4-7-8	7
"	4.7	50	70	6531241 661111	4	2	2-3-6-7	6	"	4.2	60	60	2411111 111511	2	3	2-3-11	2
4BN4	4.2	10	75	1512416 611111	4	2	1-2-5	5	4HG8	4.2	30	40	1561266 431111	2	3	1-2-8-9	8
4BN6	4.2	25	75	1512314 111111	2	4	1-2-5-6-7	7	"	4.2	93	90	1661254 661111	1	2	1-6-7	7
									4HK5	4.2	25	80	5121466 111111	2	2	1-2-5	5
4BQ7	4.2	75	75	6661245 111111	2	2	6-7-8	6	4HM5	4.2	90	96	5121466 111111	1	2	1-2-5	5
"	4.2	75	75	4511266 611111	2	2	1-2-3	1	4HM6	4.2	50	30	1562114 361111	2	3	1-2-7-8	7
4BS8	4.2	13	20	6661245 111111	2	3	6-7-8	6									
"	4.2	13	20	4511266 611111	2	3	1-2-3	1	4HQ5	4.2	20	95	5121466 111111	2	2	1-2-5	5
4BU8	4.2	70	90	1341215 661111	2	3	1-2-3-7	3	4HR8	4.2	7	75	3611246 151111	3	3	1-3-6-9	6
"	4.2	40	50	1361265 411111	2	4	1-2-7-8	8	4HS8	4.2	45	45	1361265 411111	2	4	1-2-7-8	8
4BX8	4.2	25	75	6662145 111111	2	2	6-7-8	6	"	4.2	45	45	1341215 661111	2	4	1-2-3-7	3
"	4.2	25	75	4512166 611111	2	2	1-2-3	1	"								
4BZ6	4.2	85	80	5121431 111111	2	3	1-2-5-6	5	4HT6	4.2	75	75	1562114 361111	3	2	1-2-7-8	7
									4JC6	4.2	85	80	1562114 361111	3	2	1-2-7-8	7
4BZ7	4.2	50	50	6661245 111111	1	3	6-7-8	6									
"	4.2	50	50	4511266 611111	1	3	1-2-3	1	4JD6	4.7	70	70	1562114 361111	3	2	1-2-7-8	7
4BZ8	4.2	12	20	6661245 111111	3	2	6-7-8	6	4JH6	4.2	30	87	5121431 111111	3	2	1-2-5-6	5
"	4.2	12	20	4511266 611111	3	2	1-2-3	1	4JK6	4.2	70	16	5121431 111111	2	3	1-2-5-6	5
4CB6	4.2	38	55	5121431 111111	2	3	1-2-5-6	5	4JL6	3.8	75	70	5121431 111111	3	2	1-2-5-6	5
4CE5	4.2	30	20	5121436 111111	3	3	1-2-5-6	5	4JW8	4.2	85	80	4112111 151111	3	2	1-8-9	1
4CM4	3.8	75	40	4512166 661111	2	2	1-2-3	1	"	4.2	85	80	1532141 111111	3	2	2-3-6-7	6
4CS6	4.2	15	30	5121431 111111	2	4	1-2-5-6	5	4KE8	4.2	75	75	4112111 151111	2	2	1-8-9	1
4CX7	4.2	17	20	6661245 161111	2	3	6-7-8	6	"	4.2	70	80	1532141 111111	3	2	2-3-6-7	6
"	4.2	17	20	4511266 661111	2	3	1-2-3	1	4KF8	4.2	13	98	1266664 511111	3	3	7-8-9	7
4CY5	4.2	7	80	5112436 111111	2	3	1-2-5-6	5	"	4.2	26	98	1261546 661111	3	3	4-5-6	6
4DE6	4.2	15	9	5121431 111111	2	3	1-2-5-6	5	4KN8	4.2	35	35	6661245 111111	2	2	6-7-8	6
4DK6	4.2	65	85	5121431 111111	3	2	1-2-5-6	5	"	4.2	35	35	4511266 611111	2	2	1-2-3	1

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	"	"	"	"	"	"	"	"	"
4RHH8	4.2	35	35	6661245 111111	2	2	6-7-8	6	5BR8	5.0	60	70	5411266 661111	2	2	1-2-3	2
"	4.2	35	35	4511266 611111	2	2	1-2-3	1	"	5.0	60	85	6661243 151111	3	2	6-7-8-9	6
4RHH15	4.2	12	20	6661245 111111	3	2	6-7-8	6	5BS8	5.0	13	20	4511266 611111	2	3	6-7-8	6
"	4.2	12	20	4511266 611111	3	2	1-2-3	1	"	5.0	13	20	6661245 111111	2	3	1-2-3	1
5A6	5.0	7	30	3111235 661111	4	2	3-7	1	5BT8	5.0	29	10	5511266 661111	3	2	1-2-3	1-2
"	"	"	"	"	"	"	"	"	"	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	"	"	"	"	"	"	"	"	"
5AQ4	5.0	0	65	1214111 111111	2	1	4	4	5CG4	5.0	0	35	1114161 211111	4	1	4	4
"	5.0	0	65	1211141 111111	2	1	6	6	"	5.0	0	35	1116141 211111	4	1	6	6
5AQ5	5.0	70	34	5112436 111111	3	2	1-2-5-6	5	5CG8	5.0	50	40	5411266 661111	3	2	1-2-3	2
"	"	"	"	"	"	"	"	"	"	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	"	"	"	"	"	"	"	"	"
5AT4	5.0	0	35	1114161 211111	4	1	4	4	5CQ8	5.0	7	90	4661266 151111	3	2	1-8-9	1
"	5.0	0	35	1116141 211111	4	1	6	6	"	5.0	20	100	6531241 661111	3	2	2-3-6-7	6
5AT8	5.0	70	75	5411266 661111	1	3	1-2-3	2	5CR8	5.0	7	100	6511243 661111	2	3	2-3-6-7	6
"	5.0	43	18	6611243 151111	3	3	6-7-9	6	"	5.0	7	35	4661266 151111	2	3	1-8-9	1
"	"	"	"	"	"	"	"	"	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	"	"	"	"	"	"	"	"	"
5AW4	5.0	0	37	6164666 211111	4	1	4	4	5DH8	5.0	75	75	6612143 151111	3	2	6-7-8-9	6
"	5.0	0	37	6166646 211111	4	1	6	6	"	5.0	45	45	5412166 661111	2	3	1-2-3	2
5AX4	5.0	0	50	6164666 211111	4	1	4	4	5DJ4	5.0	0	80	6264111 611111	2	1	4	4
"	5.0	0	50	6164666 211111	4	1	6	6	"	5.0	0	80	6261461 611111	2	1	5	5
5AZ3	5.0	0	40	1666646 666621	4	1	6	6	5EAS	5.0	20	70	4661266 151111	3	2	1-8-9	1
"	5.0	0	40	1666664 666621	4	1	7	7	"	5.0	75	84	6531241 661111	3	2	2-3-6-7	6
"	"	"	"	"	"	"	"	"	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
5MH3	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
6A7	6.3	7	78	2334511 111111	4	3	2-3-4-5-6	2	6AH7	6.3	40	38	5131532 111111	3	3	1-2-4-5	3-6
	6.3	7	98	2434511 111111	4	3	4	4	6AH9	6.3	40	50	2541111 111111	3	2	2-3-4	3
6A8	6.3	7	30	1243541 111111	2	4	3-4-5-6-8	3	"	6.3	40	50	2111561 361411	2	2	5-7-8-11	11
"	6.3	15	35	1243541 111111	2	4	6	6	6AJ4	6.3	10	55	5166461 261111	4	2	1-2-5	5
6AB4	6.3	50	85	4112151 111111	3	2	1-6-7	1	6AJ5	6.3	7	78	5121436 111111	2	3	1-2-5-6	5
6AB5	6.3	7	87	2412111 111111	4	3	2-3-4-5	2	6AJ7	6.3	15	100	6115132 411111	4	2	4-5-6-8	8
"	6.3	7	87	2114111 111111	4	3	2	2									
6AB7	6.3	40	94	6115132 411111	1	3	2-4-5-6-8	8	6AJ8	6.3	92	92	3512143 661111	2	2	1-2-3-6-7	6
									"	6.3	76	76	3512113 451111	1	3	8-9	8
6AB8	6.3	7	85	4511266 661111	2	3	1-2-3	1	6AK4	6.3	70	15	5616126 411111	1	3	1-5-8	8
"	6.3	7	72	6611241 351111	2	3	3-6-8-9	6	6AK5	6.3	35	52	5121436 111111	2	3	1-2-5-6	5
6AC5	6.3	75	20	1241511 111111	4	2	5-8	3	6AK6	6.3	50	89	5112431 111111	3	2	1-5-6-7	5
6AC6	6.3	7	65	1244511 111111	4	2	3-4-5-8	3	6AK8	6.3	10	77	6612161 531111	2	4	*	9
6AC7	6.3	15	100	6115132 411111	4	2	4-5-6-8	8	"	*1-2-3-6-7-8-9							
6AC9	6.3	70	95	2511116 666611	3	3	2-3	2	6AK9	6.3	75	75	2661161 665411	1	3	7-10-11	11
"	6.3	70	95	2651116 666611	3	3	3-4	3	"	6.3	66	67	2451661 666611	1	3	2-3-7	2
"	6.3	60	80	2111111 153411	3	2	8-9-10-11	11	"	6.3	90	95	2661461 536611	1	2	5-7-8-9	5
6AC10	6.3	70	75	2411111 111511	3	2	2-3-11	2	6AK10	6.3	70	70	2111415 111111	2	2	5-6-7	5
"	6.3	70	75	2111415 111111	3	2	5-6-7	5	"	6.3	70	70	2411111 111511	2	2	2-3-11	2
"	6.3	70	75	2111111 154111	3	2	4-9-10	10	"	6.3	70	70	2111111 154111	2	2	4-9-10	10
6AD4	6.3	20	70	5616126 411111	1	4	5-8	8	6AL3	6.3	0	100	6661266 641111	1	1	9-C	9
6AD6	6.3	0	65	6156412 111111	4	5	3-5-8	5	6AL5	6.3	80	90	1521115 111111	4	2	1-2-5-7	2-7
6AD7	6.3	7	92	5243541 111111	3	2	1-4-5-8	3	6AL7	6.3	15	90	5245551 111111	4	5	3-4-5-6-8	3
"	6.3	7	40	5243541 111111	3	3	6	6									
6AD10	6.3	25	50	2151134 111111	4	3	2-3-6-7	7	6AL9	6.3	10	55	1411161 613511	2	3	2-9-10-11	2
"	6.3	30	30	2111111 513411	2	3	8-9-10-11	11	"	6.3	82	82	2111514 661111	2	2	5-6-7	7
6AE5	6.3	86	39	1231511 111111	1	3	5-8	3	6AL11	6.3	45	40	2151643 111111	3	3	2-6-7	6
6AF3	6.3	0	35	6662166 641111	3	1	9-C	9	"	6.3	55	60	2111611 513411	3	2	8-9-10-11	11
6AF4	6.3	77	77	4521166 111111	1	2	1-2-5	1	6AM4	6.3	80	70	5166462 161111	3	2	1-2-5	5
6AF5	6.3	7	34	1231511 111111	2	3	5-8	3	6AM6	6.3	18	50	5112413 111111	3	3	1-2-5-7	5
6AF6	6.3	0	65	6154412 111111	4	5	3-5-8	5	6AM8	6.3	0	10	6661261 411111	1	2	7-8	8
"	6.3	0	65	6145412 111111	4	5	3-5-8	5	"	6.3	40	40	1531241 111111	2	3	1-2-3-6	6
6AF9	6.3	20	45	5134211 111111	1	4	1-2-3-4	4	6AN4	6.3	7	93	4521166 111111	4	2	1-2-5	1
"	6.3	60	60	1111211 531114	1	3	7-8-9-C	C	6AN5	6.3	50	50	5121436 111111	2	2	1-2-5-6	5
6AF11	6.3	40	50	1411111 113521	3	2	2-9-10-11	2	6AN6	6.3	0	66	1556612 111111	2	3	2-3-6	2-3
"	6.3	65	65	1111151 411121	3	2	5-6-8	8	"	6.3	0	66	1665512 111111	2	3	4-5-6	4-5
"	6.3	85	90	1154111 111121	2	2	3-4-7	4	6AN7	6.3	7	93	3512163 351111	4	3	2-3-7-9	7
6AG5	6.3	70	95	5121436 111111	3	2	1-2-5-6	5	"	6.3	7	64	3512163 351111	4	3	8	8
6AG7	6.3	75	55	1265131 411111	3	2	4-5-6-8	8	6AN8	6.3	20	40	4511266 661111	3	2	1-2-3	1
6AG9	6.3	20	60	2411161 613511	3	2	2-9-10-11	2	"	6.3	60	60	6661243 511111	3	2	6-7-8-9	6
"	6.3	20	82	2111514 661111	3	2	5-6-7	7									
6AG11	6.3	0	7	2146666 666611	1	2	2-3	3	6AQ5	6.3	70	34	5112436 111111	3	2	1-2-5-6	5
"	6.3	84	34	2661546 666611	1	3	4-5-6	6	6AQ6	6.3	20	90	5121664 111111	3	3	1-2-7	7
"	6.3	84	34	2666664 516611	1	3	7-8-9	7	"	6.3	23	55	1121551 111111	4	6	5-6	5-6
"	6.3	0	7	2666666 664111	1	2	10-11	10	6AQ7	6.3	45	45	5151112 111111	2	5	1-2-3	1-3
6AH4	6.3	15	75	5166462 111111	1	2	1-5-8	5	"	6.3	7	30	6165412 111111	4	4	4-5-6	5
6AH5	6.3	25	76	3214151 111111	4	1	1-4-6-8	4	6AQ8	6.3	80	80	6662145 111111	2	2	6-7-8	6
6AH6	6.3	55	99	5612431 111111	2	2	1-5-6-7	5	"	6.3	80	80	4512166 611111	2	2	1-2-3	1
									6AR5	6.3	60	20	5112436 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
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	6165662 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
6AU4	6.3	0	10	6611411 211111	1	2	3-5	5	6BA3	6.3	0	35	6662164 611111	4	1	7-9	7
6AU5	6.3	25	90	5111412 311111	3	1	1-3-5-8	5	6BA5	6.3	20	62	5111423 111111	3	3	1-5-7-8	5
6AU6	6.3	70	89	5112431 111111	3	2	1-5-6-7	5	6BA6	6.3	75	90	5121431 111111	3	2	1-5-6-7	5
6AU7	6.3	20	80	4512111 161111	3	2	1-2-3	1	6BA7	6.3	20	90	3512115 141111	2	3	1-2-3-9	9
"	6.3	20	80	1112145 161111	3	2	6-7-8	6	6BA8	6.3	70	70	1541266 661111	2	2	1-2-3	3
6AU8	6.3	80	80	1541266 661111	2	2	1-2-3	3	"	6.3	75	75	6661215 341111	2	2	6-7-8-9	9
"	6.3	80	80	6661215 341111	2	2	6-7-8-9	9	6BA11	6.3	85	85	2635646 166611	3	3	3-4-6-8	6
6AV5	6.3	10	80	5111412 311111	4	1	1-3-5-8	5	"	6.3	85	85	2435666 166611	3	3	2-3-4-8	2
6AV6	6.3	25	85	5121664 111111	3	3	1-2-7	7	"	6.3	57	57	2666666 651411	3	2	9-10-11	11
"	6.3	25	14	5121664 111111	4	6	5-6	5-6	6BB14▲	6.3	30	50	5612136 611114	3	1	1-3-6-C	C
6AV11	6.3	50	95	2111111 654111	2	2	4-9-10	10	6BC4	6.3	20	87	3562116 661111	3	2	1-2-6	1
"	6.3	50	95	2111415 111111	2	2	5-6-7	5	6BC5	6.3	30	20	5121436 111111	3	3	1-2-5-6	5
"	6.3	50	95	2411111 111511	2	2	2-3-11	2	6BC7	6.3	47	47	1561266 111111	3	4	1-2	2
6AW6	6.3	19	39	5121431 111111	3	3	1-2-7	5	"	6.3	47	47	6661251 661111	3	4	6-7	6
6AW8	6.3	50	50	6662115 341111	3	2	6-7-8-9	9	"	6.3	47	47	6661266 511111	3	4	8-9	8
"	6.3	72	72	1542166 661111	3	2	1-2-3	3	6BC8	6.3	20	10	6661245 111111	2	3	6-7-8	6
6AX3	6.3	0	80	2114111 116111	2	1	4-7	4	"	6.3	20	10	4511266 611111	2	3	1-2-3	1
6AX4	6.3	0	32	6611412 111111	3	1	3-5	5	6BD4	6.3	50	55	1111512 111114	4	4	1-5-C	C
6AX5	6.3	0	60	6141612 111111	4	1	3-8	3	6BD5GT	6.3	7	90	5111412 311111	4	1	1-3-5-8	5
"	6.3	0	60	6161412 111111	4	1	5-8	5	6BD6	6.3	8	34	5112431 111111	3	3	1-5-6-7	5
6AX7	6.3	40	76	4511266 111111	2	3	1-2-3	1	6BD11	6.3	60	50	1411111 113521	3	2	2-9-10-11	2
"	6.3	40	76	6661245 161111	2	3	6-7-8	6	"	6.3	37	25	1154111 111121	2	3	3-4-7	4
6AX8	6.3	55	90	4661266 151111	2	2	1-8-9	1	"	6.3	37	25	1111151 411121	2	3	5-6-8	8
"	6.3	25	35	6531241 661111	3	3	2-3-6-7	6	6BE3	6.3	0	100	2114111 116111	1	1	4-7	4
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	6BN11	6.3	80	85	2153411 111111	3	2	2-3-4-5	5
"	6.3	65	75	6662116 561111	2	4	8	8	"	6.3	80	85	2111115 131411	3	2	7-8-9-11	11
"	6.3	65	75	6662116 651111	2	4	9	9	6BQ5	6.3	60	95	6512164 631111	4	1	2-3-7-9	7
6BF11	6.3	52	70	2151134 111111	3	3	2-3-6-7	7	6BQ6	6.3	90	90	1163562 111114	1	2	4-5-8-C	C
"	6.3	50	55	2111111 513411	2	2	8-9-10-11	11	6BQ7	6.3	75	75	6661245 111111	2	2	6-7-8	6
6BG6	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	54	1162164 641111	3	3	1-7-9	7
6BH6	6.3	65	55	5121431 111111	2	3	1-2-5-6	5	6BR5	6.3	0	54	1162161 641111	3	3	7	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	6BW6	6.3	40	70	5612164 311111	3	2	1-3-7-8	7
"	6.3	50	55	5411112 111111	2	2	1-2-3	2	6BW8	6.3	70	70	5151266 661111	3	4	1-2-3	1-3
6BL8	6.3	35	70	4661266 151111	2	2	1-8-9	1	"	6.3	70	90	6661251 341111	3	2	6-7-8-9	9
"	6.3	50	70	6531241 661111	4	2	2-3-6-7	6	6BW11	6.3	45	70	2111111 431511	3	2	8-9-10-11	8
6BM8	6.3	70	85	5662166 141111	3	2	1-8-9	9	"	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
6BX6	6.3	7	88	1561214 311111	2	3	1-2-7-8	7	6CC42	6.3	30	30	2154145 111111	2	3	2-3-4-6-7-8	4-6
6BX7	6.3	32	32	1115412 111111	2	2	4-5-6	5	6CC43	6.3	80	80	6662145 111111	2	2	6-7-8	6
"	6.3	32	32	5411112 111111	2	2	1-2-3	2	"	6.3	80	80	4512166 611111	2	2	1-2-3	1
6BX8	6.3	25	75	6662145 111111	2	2	6-7-8	6	6CD3	6.3	0	65	2114661 666111	2	1	4-7	4
"	6.3	25	75	4512166 611111	2	2	1-2-3	1	6CD6	6.3	85	76	1211511 311114	2	1	3-5-8-C	C
6BY5	6.3	0	36	1114612 611111	4	1	1-4	4	6CE3	6.3	0	55	2664661 666611	2	1	4-7	4
"	6.3	0	36	6116412 111111	4	1	5-8	5	"	"	"	"	"	"	"	"	"
6BY6	6.3	30	95	5121431 111111	1	4	1-2-5-6-7	5	6CE5	6.3	30	20	5121436 111111	3	3	1-2-5-6	5
"	"	"	"	"	"	"	"	"	6CF6	6.3	40	90	5121431 111111	3	2	1-2-5-6	5
6BY7	6.3	45	60	1562114 311111	2	3	1-2-7-8	7	6CG3	6.3	0	65	2114661 666111	2	1	4-7	4
6BY8	6.3	30	40	5612114 311111	3	3	1-7-8-9	7	6CG7	6.3	30	30	6661245 111111	2	3	6-7-8	6
"	6.3	0	75	1112141 111111	2	1	3-6	6	"	6.3	30	30	4511266 611111	2	3	1-2-3	1
6BY11	6.3	50	50	2151134 111111	3	3	2-3-6-7	7	6CG8	6.3	30	30	5411266 661111	2	3	1-2-3	2
"	6.3	50	50	2111111 513411	2	2	8-9-10-11	11	"	6.3	55	55	6611243 651111	2	3	3-6-7-9	6
6BZ3	6.3	0	65	2114661 666111	2	1	4-7	4	"	"	"	"	"	"	"	"	"
6BZ6	6.3	85	80	5121431 111111	2	3	1-2-5-6	5	6CH3	6.3	0	70	6662164 611111	2	1	7-9	7
"	"	"	"	"	"	"	"	"	6CH7	6.3	17	20	6661245 161111	2	3	6-7-8	6
6BZ7	6.3	50	50	6661245 111111	1	3	6-7-8	6	"	6.3	17	20	4511266 661111	2	3	1-2-3	1
"	6.3	50	50	4511266 611111	1	3	1-2-3	1	6CH8	6.3	45	45	1432115 111111	2	3	2-3-6-7	2
6BZ8	6.3	20	10	6661245 111111	2	3	6-7-8	6	"	6.3	50	50	1112111 541111	3	2	1-8-9	9
"	6.3	20	10	4511266 611111	2	3	1-2-3	1	6CJ3	6.3	0	20	6662164 611111	4	1	7-9	7
6C4	6.3	25	25	4612651 111111	2	3	1-6-7	1	6CJ5	6.3	90	84	3512166 661114	2	1	1-2-3-C	C
6C5	6.3	47	80	6146562 111111	3	2	3-5-8	3	"	"	"	"	"	"	"	"	"
6C6	6.3	15	40	1431121 111115	2	4	2-3-5-C	2	6CJ6	6.3	30	20	6512166 311114	2	2	2-3-9-C	C
"	"	"	"	"	"	"	"	"	6CK3	6.3	0	65	6462166 611111	2	1	2-9	2
6C7	6.3	20	77	2316611 111115	3	3	2-4-5-6-C	2	6CK4	6.3	64	64	5161412 111111	3	1	1-5-8	5
"	6.3	7	28	2316611 111115	4	6	4-5	4-5	6CL3	6.3	0	100	6662164 611111	1	1	7-9	7
6C8G	6.3	10	90	1166542 111116	2	3	5-6-8	6	6CL5	6.3	45	85	6215661 311114	2	1	3-4-8-C	C
"	6.3	10	90	1141662 611115	2	3	3-4-C	3	"	"	"	"	"	"	"	"	"
6C9	6.3	80	85	5342111 111111	2	2	1-2-3-10	3	6CL6	6.3	55	55	1532141 661111	3	2	1-2-3-6-7	6
"	6.3	80	85	1112115 341111	2	2	6-7-8-9	9	6CL8	6.3	30	35	5412111 111111	3	2	1-2-3	2
6C10	6.3	50	50	2411111 611511	3	3	2-3-11	2	"	6.3	70	90	1112143 151111	3	2	6-7-8-9	6
"	6.3	50	50	2111415 111111	3	3	5-6-7	5	6CM3	6.3	0	91	6462166 611111	1	1	2-9	2
"	6.3	50	50	2111111 154111	3	3	4-9-10	10	6CM4	6.3	55	70	4512166 661111	2	2	1-2-3	1
6C16	6.3	35	70	4661266 151111	2	2	1-8-9	1	6CM5	6.3	30	20	6263511 111114	2	2	5-8-C	C
"	6.3	50	70	6531241 661111	4	2	2-3-6-7	6	"	"	"	"	"	"	"	"	"
6C18	6.3	30	30	4612166 151111	3	2	1-8-9	1	6CM6	6.3	45	25	3651261 641111	4	2	1-3-7-9	9
"	6.3	70	75	6342165 161111	3	2	2-3-7-8	3	6CM7	6.3	30	30	6611245 661111	2	3	3-6-7	6
6CA4	6.3	0	70	4612166 111111	2	1	1-3	1	"	6.3	15	5	4661266 511111	2	3	1-8-9	1
"	6.3	0	70	6612164 111111	2	1	3-7	7	6CM8	6.3	7	50	6511243 661111	4	3	2-3-6-7	6
6CA5	6.3	90	20	1512634 111111	2	2	1-2-6-7	7	"	6.3	7	25	4661266 151111	4	4	1-8-9	1
6CA7	6.3	30	95	1143512 111111	4	1	3-4-5-8	3	6CN6	6.3	55	70	1113512 111114	2	2	4-5-8-C	C
6CA11	6.3	11	50	2114151 111111	2	3	4-5-6	4	6CN7	6.3	44	80	6661215 461111	1	4	6-7-8	8
"	6.3	19	48	2451111 111111	2	3	2-3-7	2	"	6.3	50	50	5511266 661111	1	6	1-2-3	1-2
"	6.3	60	54	2111111 513411	2	2	8-9-10-11	11	6CQ4	6.3	0	70	6611412 111111	2	1	3-5	5
6CB5	6.3	10	75	3115662 611114	3	1	1-3-4-C	C	6CQ6	6.3	25	70	5112413 111111	3	3	1-2-5-7	5
6CB6	6.3	38	55	5121431 111111	2	3	1-2-5-7	5	6CQ8	6.3	7	90	4661266 151111	3	2	1-8-9	1
6CC31	6.3	20	34	6412561 111111	2	3	2-5-7	2	"	6.3	44	95	6531241 661111	3	2	2-3-6-7	6
"	6.3	20	34	4612651 111111	2	3	1-6-7	1	6CR4	6.3	77	85	5166461 261111	3	2	1-2-5	5

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	"	*2-3-4-5-6-C	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	"	*3-4-5-6-8-C	6.3	45	60	1562114 311111	2	3	1-2-7-8	7
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	
"	6.3	60	50	1651266 661111	2	6	1-3	3	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
6FQ7	6.3	31	31	1112145 111111	2	3	6-7-8	6	"	6.3	30	90	1521466 111111	2	2	1-2-5	5
"	6.3	31	31	4512111 111111	2	3	1-2-3	1	6GK5	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	6GK6	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	6GK7	6.3	20	48	1561214 311111	3	3	1-2-7-8	7
6FS5	6.3	42	25	5121436 111111	3	3	1-2-5-6	5	6GK17	6.3	0	75	6611412 111111	2	1	3-5	5
6FV6	6.3	55	70	5621431 111111	3	2	1-5-6-7	5	6GL7	6.3	40	80	1115412 111111	4	2	4-5-6	5
6FV8	6.3	60	85	6662143 151111	3	2	6-7-8-9	6	"	6.3	95	85	5411112 111111	1	1	1-2-3	2
"	6.3	60	70	5412166 661111	2	2	1-2-3	2	6GM5	6.3	100	90	3661251 641111	3	1	1-6-7-9	9
6FW5	6.3	80	85	5211411 311111	3	1	1-3-5-8	5	6GM6	6.3	30	70	5121436 111111	4	2	1-2-5-6	5
6FW7	6.3	20	48	6661245 111111	3	3	6-7-8	6	6GM8	6.3	20	0	6662145 111111	1	3	6-7-8	6
"	6.3	21	37	4511266 611111	3	3	1-2-3	1	"	6.3	20	0	4512166 611111	1	3	1-2-3	1
6FW8	6.3	77	85	6661245 111111	3	2	6-7-8	6	6GN6	6.3	53	100	5112436 111111	3	2	1-2-5-6	5
"	6.3	77	85	4511266 611111	3	2	1-2-3	1	6GN8	6.3	55	35	1541266 661111	1	4	1-2-3	3
6FX7	6.3	37	21	6661245 111111	3	3	6-7-8	6	"	6.3	85	50	6661215 341111	2	2	6-7-8-9	9
"	6.3	37	21	4511266 611111	3	3	1-2-3	1	6GQ7	6.3	0	80	1462111 111111	2	1	1-2	2
6FY5	6.3	7	70	6521461 111111	3	2	2-5-7	5	"	6.3	0	80	1162111 411111	2	1	8-9	8
"	6.3	95	95	2151411 611111	1	1	3-5-7	5	"	6.3	0	80	1162141 111111	2	1	6-7	6
6FY7	6.3	45	59	2111111 615411	1	4	9-10-11	11	6GS7	6.3	65	80	6611243 651111	3	2	3-6-7-9	6
6G5	6.3	7	87	2454111 111111	4	3	2-5	2	"	6.3	20	80	5411266 661111	2	2	1-2-3	2
6G6	6.3	59	85	1233511 111111	3	2	3-4-5-8	3	6GS8	6.3	40	50	1341215 661111	2	4	1-2-3-7	3
6G11	6.3	20	46	1151143 111121	2	4	2-3-4-6-7	6	"	6.3	40	50	1361265 411111	2	4	1-2-7-8	8
"	6.3	20	46	1111111 513421	2	2	8-9-10-11	11	6GT5	6.3	85	90	3512166 141111	2	1	1-2-3-9	9
6GA7	6.3	70	60	2365164 166111	3	1	2-4-5-7	7	6GU5	6.3	68	80	5121436 111111	3	2	1-2-5-6	5
"	6.3	0	75	2111161 166411	2	1	8-11	11	6GU7	6.3	55	80	1112145 111111	2	2	6-7-8	6
6GB3	6.3	50	70	1213511 111114	2	2	4-5-8-C	C	"	6.3	50	75	4512111 111111	2	2	1-2-3	1
6GB5▲	6.3	80	75	6512136 661114	2	1	2-3-6-C	C	6GV5	6.3	85	85	2131516 166614	2	1	3-4-5-C	C
6GB6	6.3	90	90	1163562 111114	2	1	4-5-8-C	C	6GV7	6.3	30	30	4612166 151111	3	2	1-8-9	1
6GB7	6.3	40	72	1213511 111114	2	2	4-5-8-C	C	"	6.3	70	75	6342165 161111	3	2	2-3-7-8	3
6GB9	6.3	84	91	1163562 111114	2	1	4-5-8-C	C	6GV8	6.3	15	80	4511266 661111	4	2	1-2-3	1
6GC5	6.3	40	50	3651261 641111	2	2	1-3-7-9	9	"	6.3	15	60	6661243 151111	1	3	6-7-8-9	6
6GC6	6.3	20	70	1113512 611114	2	1	3-4-5-C	C	6GW5	6.3	67	96	4512161 111111	3	2	1-2-5	1
6GD7	6.3	77	85	5411266 661111	3	2	1-2-3	2	6GW6	6.3	30	75	1163562 111114	4	1	4-5-8-C	C
"	6.3	0	53	6611243 151111	3	3	3-6-7-9	6	6GW8	6.3	47	47	6631241 561111	3	2	3-6-7-8	6
6GE5	6.3	40	95	2351664 666611	2	1	2-3-4-7	7	"	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	6GX6	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
"									6KD8	6.3	80	100	6531241 661111	2	2	2-3-6-7	6
6JH6	6.3	30	87	5121431 111111	3	2	1-2-5-6	5	"	6.3	25	82	4661266 151111	2	2	1-8-9	1
6JH8	6.3	20	60	1132151 141111	3	3	3-6-9	9	6KE8	6.3	75	75	4112111 151111	2	2	1-8-9	1
"	6.3	20	55	1132151 411111	3	3	3-6-8	8	"	6.3	70	80	1532141 111111	3	2	2-3-6-7	6
6JK5	6.3	75	75	2531664 666611	2	2	2-3-4-7	7	"								
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
"									6KL8	6.3	65	64	1612134 561111	2	6	3-8	8
6JL6	6.3	75	70	5121431 111111	3	2	1-2-5-6	5	"	6.3	60	60	1512134 661111	2	3	2-3-6-7	7
6JL8	6.3	53	0	1541266 661111	3	3	1-2-3	3	6KM6	6.3	40	50	6512163 161114	3	1	2-3-7-C	C
"	6.3	95	40	6661215 341111	3	2	6-7-8-9	9	6KM8	6.3	60	60	1162115 341111	3	3	7-8-9	9
6JM6	6.3	83	85	2131566 666614	2	1	2-5-7-C	C	"	6.3	60	60	1462115 311111	3	3	2-5-8	2
6JN6	6.3	72	59	2131664 666511	3	1	2-3-4-7	7	"	6.3	60	60	4162115 311111	3	3	1-6-7-8	1
6JN8	6.3	75	80	6662143 151111	3	2	6-7-8-9	6	"	6.3	40	35	1142116 661111	1	3	3-6	3
"	6.3	70	70	5412166 661111	3	2	1-2-3	2	"								
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
"									6KS8	6.3	89	84	1541266 661111	1	3	1-2-3	3
6JU6	6.3	60	80	6512163 161114	2	1	2-3-7-C	C	"	6.3	85	70	6661215 341111	3	2	6-7-8-9	9
6JU8	6.3	90	72	5112115 111111	3	2	1-2-7-8	1-7	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
"									"	6.3	20	75	6661215 341111	2	2	6-7-8-9	9
6JY8	6.3	50	60	1541266 661111	3	2	1-2-3	3	6KX8	6.3	55	70	1112114 151111	3	3	7-8-9	7
"	6.3	60	60	6661215 341111	3	2	6-7-8-9	9	"	6.3	55	70	5142111 111111	3	3	1-2-3	3
6JZ6	6.3	52	79	2136566 666614	2	1	2-3-5-C	C	6KY6	6.3	77	40	1562164 361111	2	2	1-2-7-8	7
6JZ8	6.3	40	35	2114156 311111	2	2	4-6-8-9	4	6KY8	6.3	85	90	1112111 451111	3	2	1-8-9	8
"	6.3	70	70	2411111 115111	3	2	2-10-11	2	"	6.3	45	75	1512145 111111	3	3	2-3-6-7	6
6K5	6.3	7	80	1231111 111115	4	4	3-8-C	3	6KZ8	6.3	95	90	4112111 151111	1	2	1-8-9	1
6K6	6.3	50	75	6143562 111111	3	2	3-4-5-8	3	"	6.3	45	50	1512143 111111	2	3	2-3-6-7	6
6K7	6.3	28	35	6143112 111115	3	3	3-4-8-C	3	6L5	6.3	45	25	1231511 111111	3	3	3-5-8	3
6K8	6.3	7	81	1166542 111116	2	3	5-6-8	6	6L6	6.3	55	95	6143562 111111	4	1	3-4-5-8	3
"	6.3	7	81	1143562 111111	4	3	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

Good tube reads above 30.

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	"	6.3	61	93	1513641 211111	3	2	2-3-6	6
6P5	6.3	7	74	1231511 111111	3	3	3-5-8	3	6SF7	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	"	6.3	25	13	6115132 411111	3	3	4-5-6-8	8
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 1541111	3	2	4-9-10	10	7AD7	6.3	20	50	2411351 1111111	4	2	2-3-6-7	2
"	6.3	60	55	2111415 1111111	3	3	5-6-7	5	7AF7	7.5	34	14	1666541 2111111	3	3	5-6-7	6
"	6.3	65	60	2411111 1115111	3	2	2-3-11	2	"	7.5	34	14	1145666 2111111	3	3	2-3-4	3
6V3	6.3	0	64	1412116 1611111	2	1	2-C	2	7AG7	7.5	7	50	1431151 2111111	4	3	2-3-6-7	2
6V4	6.3	0	85	6612164 1111111	2	1	3-7	7	7AH7	6.3	7	54	2441651 1111111	4	3	2-3-6-7	2
"	6.3	0	85	4612166 1111111	2	1	1-3	1	7AJ7	6.3	14	18	2431651 1111111	2	4	2-3-6-7	2
6V5	6.3	36	90	1133512 1111111	4	1	3-4-5	3	"	"	"	"	"	"	"	"	"
6V6	6.3	40	40	6143562 1111111	4	2	3-4-5-8	3	7AK7	7.5	7	65	1431151 2111111	4	2	2-3-6-7	2
"	"	"	"	"	"	"	"	"	7AN7	7.5	75	70	1542151 6411111	2	2	*	3-9
6V7	6.3	22	28	1246611 1111115	2	3	3-4-5-8-C	3	"	*1-2-3-6-7-9	"	"	"	"	"	"	"
"	6.3	7	22	1246611 1111115	4	6	4-5	4-5	7AU7	7.5	20	80	1112145 1611111	3	2	6-7-8	6
6V8	6.3	7	70	4611256 6611111	2	4	1-3-6	1	"	7.5	20	80	4512111 1611111	3	2	1-2-3	1
"	6.3	74	0	6511266 6511111	4	6	2-3-9	2-9	7B4	7.5	7	90	1411151 2111111	2	4	2-6-7	2
"	6.3	7	75	6661265 1611111	4	6	7-8	7	7B5	7.5	7	54	1431151 2111111	4	2	2-3-6-7	2
6V9	6.3	55	55	1111211 5111114	1	3	8-9-C	C	"	"	"	"	"	"	"	"	"
"	6.3	65	65	1153214 1111111	1	4	1-3-4-7	7	7B6	7.5	7	22	1456661 2111111	2	5	2-3-7	2
6W4	6.3	0	40	6611411 2111111	3	1	3-5	5	"	7.5	7	25	1666551 2111111	2	6	5-6-7	5-6
6W5	6.3	0	50	1241411 1111111	2	2	3-5-8	5	7B7	7.5	35	23	1431151 2111111	3	3	2-3-6-7	2
"	6.3	0	40	1241411 1111111	2	2	3	3	7B8	7.5	48	9	1435111 2111111	2	4	2-3-4-7	2
"	"	"	"	"	"	"	"	"	7C4	6.3	0	75	2113111 1111111	1	3	4-7	4
6W6	6.3	15	90	6143562 1111111	4	1	3-4-5-8	3	7C5	7.5	30	50	1436651 2111111	4	2	2-3-6-7	2
6W7	6.3	7	50	1241311 1111115	2	4	3-4-8-C	3	"	"	"	"	"	"	"	"	"
6X4	6.3	0	83	6112141 1111111	2	1	6-7	6	7C6	7.5	7	22	1666551 2111111	4	6	5-6-7	5-6
"	6.3	0	83	4112161 1111111	2	1	1-7	1	"	7.5	15	78	1456661 2111111	3	4	2-3-7	2
6X5	6.3	0	50	6141612 1111111	4	1	3-8	3	7C7	7.5	13	25	2431651 1111111	2	4	2-3-6-7	2
"	6.3	0	50	6161412 1111111	4	1	5-8	5	7DJ8	7.5	50	50	6661245 11111	2	2	6-7-8	6
6X8	6.3	20	90	1542116 6111111	2	2	2-3	3	"	7.5	50	50	4511266 6111111	2	2	1-2-3	1
"	6.3	20	30	1662115 3411111	3	3	6-7-8-9	9	7E5	6.3	16	60	5241666 11111	2	3	1-3-4	3
"	"	"	"	"	"	"	"	"	7E6	6.3	7	25	2456661 1111111	4	6	2-3-4-6-7	5-6
6X9	6.3	45	45	6151214 3111111	1	4	2-3-7-8	7	"	6.3	7	0	2456661 1111111	4	3	2	2
"	6.3	65	65	1611216 1411115	1	4	1-9-C	9	"	"	"	"	"	"	"	"	"
6Y5	6.3	0	83	2151311 1111111	4	1	3-4-5	5	7E7	6.3	37	40	2466351 1111111	3	3	*	1-2
"	6.3	0	83	2131111 1111111	4	1	3	3	"	*2-3-4-5-6-7	"	"	"	"	"	"	"
6Y6	6.3	7	90	6143562 1111111	4	1	3-4-5-8	3	"	6.3	7	30	2466351 1111111	4	6	3-4	3-4
6Y9	6.3	60	60	1111211 5311114	1	3	7-8-9-C	C	7ES8	7.5	7	60	6661245 1111111	2	2	6-7-8	6
"	6.3	85	80	5134211 1111111	1	3	1-2-3-4	4	"	7.5	7	60	4511266 6111111	2	2	1-2-3	1
6Y10	6.3	65	80	2111111 5134111	3	2	8-9-10-11	11	7EY6	7.5	15	60	6143562 1111111	4	2	3-4-5-8	3
"	6.3	25	50	2151134 1111111	3	3	2-3-6-7	7	7F7	6.3	60	40	1666541 2111111	3	3	5-6-7	6
"	"	"	"	"	"	"	"	"	"	6.3	60	40	1145666 2111111	3	3	2-3-4	3
6Z4	6.3	0	83	1461211 1111111	4	1	2-4	2	7F8	7.5	7	50	6166142 5111111	4	3	5-6-8	6
"	6.3	0	83	1641211 1111111	4	1	3-4	3	"	7.5	7	50	5141662 6111111	4	3	1-3-4	3
6Z5	12.6	0	81	6251311 1111111	4	1	3-4-5	5	"	"	"	"	"	"	"	"	"
"	12.6	0	81	6231111 1111111	4	1	3	3	"	"	"	"	"	"	"	"	"
6Z10	6.3	50	85	2114135 1111111	2	4	4-6-7-8	4	7FC7	7.5	77	85	6661251 6411111	3	2	6-7-9	9
"	6.3	55	55	2311111 1415111	3	2	2-3-9-11	9	"	7.5	77	85	1541266 6611111	3	2	1-2-3	3
7A4	7.5	35	17	1411151 2111111	2	3	2-6-7	2	7G7	6.3	7	45	2431651 1111111	4	3	2-3-6-7	2
7A5	7.5	66	93	1436651 2111111	3	1	2-3-6-7	2	7G8	6.3	7	75	2435514 1111111	4	3	*	2-7
7A6	7.5	0	60	1661141 2111111	1	2	6-7	6	"	*2-3-4-5-6-7	"	"	"	"	"	"	"
"	7.5	0	60	1141166 2111111	1	2	2-3	3	7GS7	7.5	65	80	6611243 6511111	3	2	3-6-7-9	6
"	7.5	0	60	1141166 2111111	1	2	2-3	3	"	7.5	20	80	5411266 6611111	2	2	1-2-3	2
7A7	7.5	25	15	1431151 2111111	2	4	2-3-6-7	2	7GV7	6.3	70	75	6342165 1611111	3	2	2-3-7-8	3
7A8	7.5	7	55	2445311 1111111	4	3	2-3-4-7	2	"	6.3	30	30	4612166 1511111	3	2	1-8-9	1
7AB7	6.3	14	84	3241561 6111111	3	3	1-3-4-5-8	3	7H7	7.5	30	14	1431151 2111111	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
8EM5	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
8ET7	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	9ED4	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
9ML8	9.0	75	80	4662161 651111	2	2	1-7-9	1	"	9.0	45	60	1112111 451111	1	4	1-8-9	8
"	9.0	75	80	6462161 561111	2	2	2-7-8	2	10GK6	9.0	25	45	1511264 361111	3	2	1-2-7-8	7
"	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
9U8	9.0	44	73	6531241 661111	2	3	2-3-6-7	6	"	9.0	70	70	1541266 661111	3	2	1-2-3	3
"	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
10AL11	9.0	84	28	1111111 513421	3	2	8-9-10-11	11	"	25	80	80	4512166 611111	2	2	1-2-3	1
"	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	10LE8	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	10LM8	9.0	72	72	6531241 661111	3	2	2-3-6-7	6
10DE7	9.0	40	40	4562111 111111	3	1	1-2-9	1	"	9.0	40	50	4661266 151111	3	2	1-8-9	1
"	9.0	70	70	1112145 111111	3	2	6-7-8	6	10LW8	9.0	65	70	6661215 341111	2	3	6-7-8-9	9
10DR7	9.0	28	28	4562111 111111	1	2	1-2-9	1	"	9.0	85	96	1541266 661111	2	3	1-2-3	3
"	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	"	*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	12AD5	12.6	15	50	3511246 611111	2	3	1-2-3-6	6
"	9.0	70	72	2411111 113511	2	2	2-8-10-11	2	12AD6	12.6	7	85	5121431 111111	1	4	1-2-5-6-7	5
11C5	12.6	91	100	1521634 111111	2	1	1-2-6-7	7	12AD7	12.6	7	95	6661245 161111	2	4	6-7-8	6
11CA11	9.0	11	50	2114151 111111	2	3	4-5-6	4	"	12.6	7	95	4511266 661111	2	4	1-2-3	1
"	9.0	19	48	2451111 111111	2	3	2-3-7	2	12AE6	12.6	45	90	1121551 111111	2	6	5-6	5-6
"	9.0	60	54	2111111 513411	2	2	8-9-10-11	11	"	12.6	7	45	5121664 111111	1	4	1-2-7	7
11CF11	9.0	90	40	2411111 111511	1	3	2-7-11	2	12AE7	12.6	10	75	6661245 161111	1	2	6-7-8	6
"	9.0	90	40	2111111 154111	1	3	8-9-10	10	"	12.6	7	40	4511266 661111	1	2	1-2-3	1
"	9.0	69	40	2143511 111111	1	3	3-4-5-6	3	12AE10	12.6	95	20	2111111 513411	2	2	8-9-10-11	11
11CH11	9.0	50	46	2151111 141111	3	2	3-4-9	9	"	12.6	55	60	2151134 111111	1	4	2-3-6-7	7
"	9.0	75	67	2111514 111111	3	2	5-6-7	7	12AF3	12.6	0	35	6662166 641111	3	1	9-C	9
"	9.0	60	58	2411111 113511	2	2	2-8-10-11	2	12AF6	12.6	7	80	5121431 111111	1	4	1-5-6-7	5
11CK5	12.6	7	98	1512634 111111	4	1	1-2-6-7	7	12AF11	12.6	40	50	1411111 113521	3	2	2-9-10-11	2
11CY7	12.6	20	40	6661245 161111	2	4	6-7-8	6	"	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	65	65	1111151 411121	3	2	5-6-8	8
11DS5	9.0	50	88	5121436 111111	1	3	1-2-5-6	5	"	12.6	80	90	1154111 111121	2	2	3-4-7	4
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	7
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	5
"	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								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	12RKL19	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							
12HB25▲	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
12MD8	12.6	40	40	4662161 651111	3	2	1-7-9	1	12X4	12.6	0	83	6112141 111111	2	1	6-7	6
"	12.6	40	40	6462161 561111	3	2	2-7-8	2	"	12.6	0	83	4112161 111111	2	1	1-7	1
"	12.6	40	40	6642151 661111	3	2	3-6-7	3	12Z3	12.6	0	15	2311111 111111	2	2	2-3	2
									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
13GB5▲	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	7	22	1456661 211111	2	5	2-3-7	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	15BD11	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	"	12.6	37	25	1154111 111121	2	3	3-4-7	4
"	12.6	10	85	2445311 111111	3	3	3	3	"	12.6	60	50	1411111 113521	3	2	2-9-10-11	2
14BL11	12.6	62	78	2151111 141111	3	2	3-4-9	9	15CW5	12.6	30	40	6512164 631111	2	2	2-3-7-9	7
"	12.6	60	75	2111514 111111	3	2	5-6-7	7	15DQ8	12.6	45	50	5412111 111111	2	3	1-2-3	2
"	12.6	40	50	2411111 113511	3	2	2-8-10-11	2	"	12.6	65	70	1112141 531111	3	2	6-7-8-9	6
14BR11	12.6	72	72	2111111 145111	3	2	7-9-10	9	"	12.6	20	40	5411112 111111	3	1	1-2-3	2
"	12.6	70	70	2111141 511111	3	2	5-6-8	6	15EA7	12.6	30	60	1115412 111111	3	3	4-5-6	5
"	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	7	30	2466351 111111	4	6	3-4	3-4	15FM7	12.6	50	50	2151461 611111	2	1	3-5-7	5
"	12.6	60	40	1666541 211111	3	3	5-6-7	6	"	12.6	18	32	2111111 615411	2	4	9-10-11	11
14F7	12.6	60	40	1145666 211111	3	3	2-3-4	3	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
									17CT3	12.6	0	64	6462166 611111	2	1	2-9	2
16BQ11	12.6	50	40	2431511 111111	2	3	2-3-5-6	2	17CU5	19	23	90	1521634 111111	3	1	1-2-6-7	7
"	12.6	50	40	2111111 435111	2	3	8-9-10-11	8									
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									
									17DW4	19	0	100	6662164 611111	1	1	7-9	7
16HB5	12.6	75	85	2351664 666611	2	1	2-3-4-7	7	17E8	19	60	45	4511266 611111	3	2	1-2-3	1
16KA6	12.6	19	90	2131516 161614	2	1	3-5-10-C	C	"	19	60	80	6661245 111111	3	2	6-7-8	6
16LD6	12.6	48	35	1562134 661111	2	2	1-2-6-7	7	17GE5	19	15	25	2351664 666611	2	2	2-3-4-7	7
16LU8	12.6	73	73	2411111 115111	2	2	2-10-11	2	17GJ5	19	55	95	3512166 161114	2	1	1-2-3-C	C
"	12.6	90	90	2114156 311111	2	1	4-6-8-9	4	17GT5	19	90	82	3512166 641111	2	1	1-2-3-9	9
16MY8	12.6	73	73	2411111 115111	2	2	2-10-11	2									
"	12.6	90	90	2114156 311111	2	1	4-6-8-9	4	17GU5	19	55	25	5112431 111111	2	3	1-5-6-7	5
									17GV5	19	85	85	2131516 166614	2	1	3-4-5-C	C
16Y9	12.6	60	60	1111211 531114	1	3	7-8-9-C	C	17GW6	19	65	65	1163562 111114	3	1	4-5-8-C	C
"	12.6	85	80	5134211 111111	1	3	1-2-3-4	4	17H3	19	0	75	1141211 611111	2	1	1-3	3
17A8	12.6	30	85	4112111 151111	2	2	1-8-9	1	17HB25A	12.6	65	78	5612136 111114	2	1	1-6-9-C	C
"	12.6	30	70	1532141 111111	2	3	2-3-6-7	6									
17AB10	19	45	96	2614135 111111	2	4	4-6-7-8	4	17HC8	19	7	50	6151243 661111	4	2	2-3-6-7	6
"	19	40	40	2311111 141511	2	2	2-3-9-11	9	"	19	7	90	5661266 141111	4	3	1-8-9	9
17AV5	19	10	80	5111412 311111	4	1	1-3-5-8	5	17JB6	12.6	95	70	3512166 161114	2	1	1-2-3-C	C
17AX3	19	0	80	2114111 116111	2	1	4-7	4	17JF6	12.6	70	80	3512166 661114	2	1	1-2-3-C	C
									17JG6	19	40	40	3512166 641111	3	1	1-2-3-9	9
17AX4	19	0	32	6611412 111111	3	1	3-5	5	17JK8	19	15	46	6661245 111111	2	3	6-7-8	6
17AY3	19	0	25	6662164 611111	3	1	7-9	7	"	19	15	45	4511266 611111	3	2	1-2-3	1
17BB14A	19	30	50	5612136 611114	3	1	1-3-6-C	C									
17BE3	19	0	100	2114111 116111	1	1	4-7	4	17JM6	19	83	85	2131566 666614	2	1	2-5-7-C	C
17BF11	12.6	50	55	2111111 513411	2	2	8-9-10-11	11	17JN6	12.6	72	59	2131664 666511	3	1	2-3-4-7	7
"	12.6	52	70	2151134 111111	3	3	2-3-6-7	7	17JQ6	12.6	13	54	4632165 611111	2	2	1-3-7-9	1
17BH3	19	0	75	6662164 611111	2	1	7-9	7	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
17JT6	19	50	55	3512166 641111	3	1	1-2-3-9	9	19CG3	19	0	60	2114661 661111	2	1	4-7	4
17JZ8	19	70	70	2411111 115111	3	2	2-10-11	2	19CL8	19	70	90	1112143 151111	3	2	6-7-8-9	6
"	19	40	35	2114156 311111	2	2	4-6-8-9	4	"	19	30	35	5412111 111111	3	2	1-2-3	2
17KV6	19	70	70	3512166 141111	2	1	1-2-3-9	9	19D8	19	12	40	3511243 451111	3	3	*	6
17L6GT	19	35	82	6143562 111111	4	1	3-4-5-8	3	"	*1-2-3-6-8-9							
17LD8	19	78	96	1511243 111111	2	3	2-3-6-7	6	"	19	10	30	3511243 451111	2	3	8	8
"	19	78	96	1111211 451111	2	3	1-8-9	8	19DE3	19	0	98	2114111 116111	1	1	4-C	4
17R5	19	7	70	1512634 111111	2	2	1-2-6-7	7	19DE7	19	11	70	1112145 111111	2	3	6-7-8	6
17RHH2	19	60	45	4511266 611111	3	2	1-2-3	1	"	19	70	33	4562111 111111	1	2	1-2-9	1
"	19	60	80	6661245 111111	3	2	6-7-8	6	19DK3	19	0	67	1462166 661111	2	1	2-C	2
17RK19	12.6	0	70	6662166 641111	2	1	9-C	9	19DQ3	19	0	67	2664661 666611	2	1	4-7	4
17W6GT	19	15	90	6143562 111111	4	1	3-4-5-8	3	19EA8	19	75	84	6531241 661111	3	2	2-3-6-7	6
17X10	19	40	40	2311111 141511	2	2	2-3-9-11	3	"	19	20	70	4661266 151111	3	2	1-8-9	1
"	19	85	85	2114135 111111	3	3	4-6-7-8	4	19EW7	19	70	70	1112145 111111	1	3	6-7-8	6
17Y9	12.6	72	72	1111211 531114	1	3	7-8-9-C	C	"	19	60	60	4562111 111111	2	1	1-2-9	1
"	12.6	85	70	5134211 111111	1	3	1-2-3-4	4	19EZ8	19	38	34	1541266 661111	2	3	1-2-3	3
17Z3	12.6	0	75	6662166 641111	2	1	9-C	9	"	19	38	34	6661245 661111	2	3	6	6
18	12.6	7	5	2442111 111111	4	3	2-3-4-5	2	"	19	39	39	6661266 451111	2	3	8	8
18A5	19	7	65	5111412 311111	2	2	1-3-5-8	5	19FL8	19	85	92	3512146 611111	2	2	1-2-3-6	6
18AJ10	19	57	57	2151134 111111	1	4	2-3-6-7-	7	"	19	0	93	6612164 661111	1	2	3-7	7
"	19	92	30	2111111 813411	2	2	8-9-10-11	11	"	19	0	100	6612166 461111	1	2	3-8	7
18DZ8	19	7	70	6151243 661111	2	2	2-3-6-7	6	19FX5	19	55	60	1512634 111111	2	2	1-2-6-7	8
"	19	10	90	5661266 141111	2	4	1-8-9	9	19GQ7	19	50	50	6661266 511111	1	5	8-9	8
18FW6	19	45	50	5121431 111111	2	3	1-5-6-7	5	"	19	50	50	6661251 661111	1	5	6-7	6
18FX6	19	15	10	5121431 111111	2	4	1-2-5-7	5	19HR6	19	20	40	5112431 111111	2	3	1-5-6-7	5
18FY6	19	60	65	1121551 111111	4	4	5-6	5-6	19HS6	19	80	85	5112431 111111	2	2	1-5-6-7	5
"	19	50	55	5121664 111111	2	3	1-2-7	7	19HV8	19	10	89	5411266 661111	2	4	1-2-3	2
18GB5A	19	80	75	6512136 661114	2	1	2-3-6-C	C	"	19	70	80	6661243 151111	3	2	6-7-8-9	6
18GD6	19	70	70	5112431 111111	2	3	1-5-6-7	5	19J6	19	20	34	6412561 111111	2	3	2-5-7	2
18GE6	19	7	95	5121664 111111	1	4	1-2-7	7	"	19	20	34	4612651 111111	2	3	1-6-7	1
"	19	50	50	1121561 111111	4	5	5	5	19JN8	19	30	35	5412111 111111	3	2	1-2-3	2
"	19	50	50	1121651 111111	4	5	6	6	"	19	70	90	1112143 151111	3	2	6-7-8-9	6
18GV8	19	35	45	1112143 151111	2	2	6-7-8-9	6	19KF6A	19	27	80	5612136 641111	2	1	1-3-6-9	9
"	19	60	75	4512111 111111	3	2	1-2-3	1	19KG8	19	45	50	1112143 151111	2	3	6-7-8-9	6
18HB8	19	45	50	5141266 661111	1	4	1-2-3	3	"	19	70	80	4512111 111111	2	2	1-2-3	1
"	19	45	50	6661234 151111	1	4	6-7-8-9	7	19MR9	19	30	40	5121431 111111	2	3	1-5-6-7	5
18RAL1	19	40	30	4562166 611111	2	2	1-2-9	1	19Q9	19	70	75	1112111 541111	2	2	7-8-9	9
"	19	65	85	6662145 161111	2	2	6-7-8	6	"	19	80	80	5342111 111111	3	2	1-2-3-10	3
19	2.0	50	71	2355311 111111	3	3	2-3-4-5	2-5	19T8	19	50	50	5661251 661111	3	5	1-7	1
19A3	6.3	0	100	1111421 111111	1	1	5-7	5	"	19	50	50	6661261 541111	3	3	7-8-9	9
19AQ5	19	67	97	5112436 111111	4	1	1-2-5-6	5	"	19	50	50	6511266 661111	3	4	2-3	2
19AU4	19	0	10	6611411 211111	1	2	3-5	5	"	19	50	50	5661251 661111	3	5	6-7	6
19BG5	19	85	90	1211511 311114	4	1	3-5-8-C	C	19V8	19	7	70	4611256 661111	2	4	1-3-6	1
19BG6	19	70	70	1211511 311114	2	2	3-5-8-C	C	"	19	14	0	6511266 651111	4	6	2-3-9	2-9
19C8	19	7	40	6612161 531111	2	4	*	9	19X8	19	20	90	6661265 161111	4	6	7-8	7
"	*1-2-3-6-7-8								"	19	20	90	1542116 611111	2	2	2-3	3
"	19	7	0	6612161 531111	4	6	6-7-8-9	1-2-6	"	19	20	30	1662115 341111	3	3	6-7-8-9	9

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	25	*1-2-3-4-5-8	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
"	25	25	25	2131516	166614	1	2	2-3-5-C	C	"	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
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									
"	50	0	75	1231161 111111	4	1	3	3									
51	2.0	28	51	2431111 111115	3	3	2-3-4-C	2	150C2	117	0	10	2161666 111111	1	3	1	1
									150C3	70	0	73	1211311 111111	4	2	5	5
52	6.3	7	51	2453111 111111	4	2	2-3-4	2	182B	5.0	7	55	2351111 111111	4	2	2-3	2
53	2.5	16	10	2451541 111111	2	4	2-3-4-5-6	2-6	183B	5.0	7	23	2351111 111111	4	2	2-3	2
53HK7	50	0	56	2411166 116111	2	1	2-4	2	403B	6.3	35	52	5121436 111111	2	3	1-2-5-6	5
"	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
									484	2.8	17	61	2451111 111111	2	3	3-4	2
57	2.5	15	45	2431111 111115	2	4	2-3-5-C	2	485	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									
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
CK5672	1.25	55	55	4325111 111111	2	3	1-2	1	"	25	0	95	4111626 111111	2	3	1-2	1
5678	1.25	23	40	4315211 111111	1	5	1-2-4	1	5904	25	10	95	5616126 411111	1	3	1-5-8	8
5686	6.3	40	75	1562134 661111	3	2	1-2-6-7	7	5905	25	15	95	5116423 611111	1	3	1-2-5-7	5
5687	6.3	7	80	4511266 661111	1	3	1-2-3	1	5906	25	7	70	5116423 611111	2	3	1-2-5-7	5
"	6.3	7	80	6661215 641111	1	3	6-7-9	9	5907	25	7	95	5116423 611111	1	3	1-2-5-7	5
5691	6.3	20	80	1115412 111111	3	3	4-5-6	5	5908	25	7	80	5111423 611111	1	4	1-2-5-7	5
"	6.3	20	80	5411112 111111	3	3	1-2-3	2	5910	1.4	7	95	1431652 111111	1	3	2-3-6	2
5692	6.3	15	60	5411112 111111	2	3	1-2-3	2	5915	6.3	7	56	5121431 111111	3	3	1-2-5-6-7	5
"	6.3	15	60	1115412 111111	2	3	4-5-6	5	5916	25	15	60	5111423 611111	2	3	1-2-5-7	5
5693	6.3	20	5	6115132 411111	2	4	4-5-6-8	8	5930	2.5	17	82	2351111 111111	4	1	2-3	2
5696	6.3	0	85	5112346 111111	1	1	1-2-5-6	6	5931	5.0	0	35	1214111 111111	4	1	4	4
									"	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	7	7					
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
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
HCC85	12	7	20	4512145	111111	3	3	2-3-7-8	1-6	PCF86	7.5	30	40	1561266	431111	2	3	1-2-8-9	8
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

