



**AMATEUR
RADIO**

**SERVICE
VALVE
EQUIVALENTS**



AN R.S.G.B. PUBLICATION

SERVICE VALVE EQUIVALENTS



Published by the
INCORPORATED RADIO SOCIETY OF GT. BRITAIN
New Ruskin House, Little Russell Street, London, WC1

January 1947



CONTENTS

	<i>Page</i>
SECTION 1. NAVY VALVES	4
SECTION 2. R.A.F. VALVES	5
SECTION 3. ARMY VALVES	7
SECTION 4. " CV " VALVES	9
SECTION 5. U.S. SIGNAL CORPS VALVES	21
SECTION 6. CONTINENTAL VALVES ..	24

Co-ordinating Editors :

D. N. CORFIELD, D.L.C. (Hons.) A.M.I.E.E., G5CD.

A. A. JONES, A.M.I.Mech.E., A.M.Brit.I.R.E., G3RU.

Editor: JOHN CLARRICOATS, G6CL,

General Secretary, Incorporated Radio Society of Great Britain

INTRODUCTION

THIS booklet has been prepared by the Incorporated Radio Society of Great Britain to meet the demand for comprehensive lists of the commercial equivalents to valve codes used by the Services during the recent war.

As the compilation has been based on the inclusion of types likely to be of general interest, valves having ratings above 150 watts dissipation have been excluded. Obsolete types and those of a secret nature are also omitted for obvious reasons. Continental types have been included, as the coding of such valves is not widely known.

At the outbreak of the war it was the policy of each Service to use its own code number for identifying any given valve, with the result that any *one* type of valve might have at least three different Service numbers. As the war proceeded such confusion arose that it was agreed to combine, as far as possible, the valves of all Services under a "CV" or "Common Valve" heading. This has been done and eventually all valves will be known only by their "CV" number.

The lists are grouped into their original Service sections, and where possible other Service equivalents are given. The sections are prefaced by an explanation as to the meaning of the coding of the various letters and figures used. In every case the "CV" number is given and if reference is made to Section 4 (CV Valves) which follows the Service sections, the commercial code and the manufacturers' name can be found. The "CV" Section is prefaced by a list of abbreviations of the manufacturers' names used in this section. It has not been possible to include all the commercial codes for any given valve because in many instances a given type may be made by six or seven different firms all having a different number, but representative well-known types are given so that it should not be difficult to ascertain the characteristics.

The Continental Section contains an explanation of the classification used and a list of the more common basing connections.

Section I

NAVY VALVES

NC .. NAVY CATHODE RAY TUBES.
 NGT .. NAVY GAS TRIODE.
 NR .. NAVY RECEIVING.
 NT .. NAVY TRANSMITTING.
 NU .. NAVY RECTIFYING.

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Army	R.A.F.		CV.	Army	R.A.F.
NGT1	1141	—	—	NR54	1175	—	—
NGT2	1128	—	VGT128	NR55	1109	AR7	VR109
NGT4	1143	—	—	NR56	1178	—	—
NR15	1151	—	—	NR57	1179	—	—
NR15A	1152	—	—	NR58	1180	—	—
NR16	1153	—	—	NR59	1181	ARP25	—
NR16A	1154	—	—	NR60	1182	—	—
NR18	1156	—	—	NR61	1183	—	—
NR22	1158	—	—	NR66	1187	—	—
NR23	1159	—	—	NR67	1280	ARH1	—
NR26	1038	—	VR28	NR68	587	—	—
NR27	1160	—	—	NR69	1103	—	VII03
NR27A	1161	—	—	NR70	1124	ARP23	VR124
NR28	1019	—	VR19	NR71	1129	—	—
NR31	1037	AR17	VR37	NR72	1188	—	—
NR35	1163	—	—	NR73	1285	—	—
NR37	1164	—	—	NR74	1189	ATP35	—
NR38	1165	—	—	NR75	1190	—	—
NR39	1118	ARP1	VR118	NR76	1191	—	—
NR41	1083	ARP13	VR83	NR77	1286	—	—
NR42	1166	AR5	—	NR78	581	—	—
NR43	1167	—	—	NR79	1192	ARP21	—
NR44	1168	—	—	NR80	1135	—	VR135
NR45	1169	—	—	NR81	1941	—	—
NR46	1170	—	—	NR82	1193	—	VR99
NR47	1040	—	VR40	NR83	1074	ARP16	VT74
NR48	1055	AR21	VR55	NR84	1194	—	—
NR49	1056	—	VR56	NR85	1186	ARP17	—
NR50	1171	—	—	NR86	1195	ARP15	—
NR51	1172	—	—	NR87	1196	—	—
NR52	1173	—	—	NR88	1197	—	—
NR53	1174	—	—	NR94	1198	—	—

4 NR64 1100
 - 65 1282

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Army	R.A.F.		CV.	Army	R.A.F.
NR95	1502	—	VR502	NT62	1237	—	—
NS1	1069	—	VS69	NT65A	1240	—	—
NS3	1200	—	—	NT82	1246	—	—
NS4	1201	—	—	NU3	1064	AU3	VU64
NS5	1202	—	—	NU5	1261	—	—
NT17	1205	—	—	NU12	1264	AU1	—
NT18	1206	—	—	NU13	1265	—	—
NT20	1208	—	—	NU16	1072	AU6	VU72
NT36	1219	—	—	NU17	1039	AU3A	VU39
NT37	1220	—	—	NU18	1113	AU4	VU113
NT38A	1221	ARP75	—	NU20	1268	AU13	—
NT39	1222	AT75	—	NU31	1279	—	—
NT40	1223	—	—	NU33	1290	—	VU120
NT58	1288	—	VT62	NU34	1134	—	VU134

Section 2

R.A.F. VALVES

VCR .. VALVE CATHODE RAY.
 VGT .. VALVE GAS TRIODE.
 VI .. VALVE INDICATING.
 VR .. VALVE RECEIVING.
 VS .. VALVE STABILISING.
 VT .. VALVE TRANSMITTING.
 VU .. VALVE RECTIFYING.

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Navy	Army		CV.	Navy	Army
VR18	1018	—	—	VR28	1028	—	—
VR19	1019	NR28	—	VU29	1029	—	—
VT20	1020	—	—	VR32	1032	—	AR16
VR21	1021	—	AR9	VR35	1035	—	—
VR22	1022	—	—	VR37	1037	NR31	AR17
VT23	1023	—	—	VR38	1038	NR26	—
VT25	1025	—	AT35	VU39	1039	NU17	AU3A
VR27	1027	—	—	VU39A	1569	—	—

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Navy	Army		CV.	Navy	Army
VR40	1040	NR47	—	VR82	1082	—	—
VR41	1041	—	—	VR83	1083	NR41	ARP13
VR43	1043	—	—	VT88	1088	—	—
VR44	1044	—	—	VR91	1091	—	ARP35
VT45	1045	—	—	VR91A	1578	—	—
VR46	1046	—	—	VR92	1092	—	—
VR47	1047	—	—	VR95	1095	—	—
VR49	1049	—	—	VR95A	1579	—	—
VT50	1050	—	—	VT96	1096	—	—
VT51	1051	—	—	VR99	1099	—	—
VT52	1052	—	—	VR100	1100	—	—
VR53	1053	—	ARP34	VR101	1101	—	—
VR54	1054	—	ARDD5	VR102	1102	—	—
VR55	1055	NR48	AR21	VI103	1103	NR69	—
VR56	1056	NR49	—	VT104	1104	—	—
VR57	1057	—	—	VR105	1105	—	—
VR59	1059	—	—	VR106	1106	—	ARP3
VT60	1060	—	—	VR107	1107	—	—
VT60A	1572	—	ATS25	VR108	1108	—	—
VT61	1061	—	—	VR109	1109	NR55	AR7
VT61A	1573	—	—	VS110	1110	—	AW3
VT62	1062	NT58	—	VU111	1111	—	AU5
VU64	1064	NU3	AU3	VU113	1113	NU18	AU4
VR65	1065	—	ARP36	VR116	1116	—	—
VR65A	1574	—	ARP19	VR117	1117	—	—
VR66	1066	—	—	VR118	1118	NR39	ARPI
VR67	1067	—	—	VR119	1119	—	—
VS68	1068	—	AW4	VU120	1120	NU33	—
VS69	1069	NS1	—	VGT121	1121	—	—
VS70	1070	—	AW2	VR122	1122	—	—
VU71	1071	—	—	VR123	1123	—	—
VU72	1072	NU16	AU6	VR124	1124	NR70	ARP23
VT73	1073	—	—	VR125	1125	—	—
VT74	1074	NR83	ARP16	VR126	1126	—	—
VT75	1075	—	—	VT127	1127	—	—
VT75	1576	—	—	VGT128	1128	NGT2	—
A & B	1577	—	—	VR129	1129	—	—
VT76	1076	—	—	VR130	1130	—	—
VI77	1077	—	AW6	VU133	1133	—	—
VR78	1078	—	ARD2	VU134	1134	NU34	—
VT79	1079	—	—	VR135	1135	—	—
VT80	1080	—	—	VR136	1136	—	—
VT81	1081	—	—	VR137	1137	—	—

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Navy	Army		CV.	Navy	Army
VT501	1501	—	—	VU505	1505	—	—
VR502	1502	—	—	VU508	1508	—	—
VR503	1503	—	—	VT510	1510	—	—

Section 3

ARMY VALVES

- ACR .. ARMY CATHODE RAY TUBE.
 AR .. ARMY RECEIVING VALVE.
 ARD .. ARMY RECEIVING DIODE.
 ARDD .. ARMY RECEIVING DOUBLE DIODE.
 ARH .. ARMY RECEIVING HEXODE.
 ARP .. ARMY RECEIVING PENTODE.
 ARS .. ARMY RECEIVING TETRODE (SCREEN-GRID).
 ARTH .. ARMY RECEIVING TRIODE HEXODE.
 ARTP .. ARMY RECEIVING TRIODE PENTODE.
 AT .. ARMY TRANSMITTING TRIODE.
 ATP .. ARMY TRANSMITTING PENTODE.
 ATS .. ARMY TRANSMITTING TETRODE (SCREEN-GRID).
 AU .. ARMY RECTIFIER.
 AW .. ARMY GAS FILLED VALVE (STABILISER).

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Navy	R.A.F.		CV.	Navy	R.A.F.
AD1	1314	—	—	AR11	1309	—	—
AR4	1303	—	—	AR12	1310	—	—
AR5	1166	NR42	VR22	AR13	1311	—	—
AR6	1304	NR42	VR22	AR14	1312	—	—
AR7	1109	NR55	VR109	AR15	1313	—	—
AR8	1306	—	—	AR16	1032	—	VR32
AR9	1307	—	VR21	AR17	1037	NR31	VR37
AR10	1308	—	—	AR20	1316	—	—

Type No.	Other Numbers			Type No.	Other Numbers		
	CV.	Navy	R.A.F.		CV.	Navy	R.A.F.
AR21	1055	NR48	VR55	ARP37	1342	—	—
ARD2	1078	—	VR78	ARP38	1343	—	—
ARD4	1302	—	—	ARS6	1317	—	—
ARDD1	1300	—	—	ARS7	1318	—	—
ARDD3	1301	—	—	ARS8	1319	—	—
ARDD5	1054	—	VR54	ARTH1	1944	—	—
ARH1	1280	NR67	—	ARTH2	1347	—	—
ARP1	1118	NR39	VR118	ARTP1	1344	—	—
ARP2	1320	—	—	ARTP2	1345	—	—
ARP3	1321	—	VR106	AT20	1361	—	—
ARP4	1322	—	—	AT35	1025	—	VT25
ARP5	1323	—	—	AT75	1222	NT39	—
ARP6	1324	—	—	ATP4	1366	—	—
ARP7	1325	—	—	ATP5	1367	—	—
ARP8	1326	—	—	ATP7	1368	—	—
ARP9	1327	—	—	ATP10	1369	—	—
ARP10	1328	—	—	ATP35	1370	NT74	—
ARP11	1329	—	—	ATP75	1371	NT38	—
ARP12	1330	—	—	ATP100	1372	—	—
ARP13	1332	NR41	VR83	ATS25	1374	—	VT60A
ARP14	1333	—	—	ATS25A	1364	—	VT60A
ARP15	1195	NR86	—	ATS70	1365	—	—
ARP16	1074	NR83	VT74	AU1	1264	NU12	—
ARP17	1186	NR85	—	AU3	1064	NU3	VU64
ARP18	1334	—	—	AU3A	1039	NU17	VU39
ARP19	1335	—	VR65A	AU4	1113	NU18	VU113
ARP20	1336	NR79	—	AU5	1111	—	VU111
ARP21	1192	NR79	—	AU6	1072	NU16	VU72
ARP22	1337	—	—	AU8	1356	—	—
ARP23	1124	NR70	VR124	AU12	2853	NU13A	—
ARP24	1338	—	—	AU13	—	NU20	—
ARP25	1181	NR59	—	AW2	1070	—	VS70
ARP26	1340	—	—	AW3	1110	—	VS110
ARP33	1341	—	—	AW4	1068	—	VS68
ARP34	1053	—	VR53	AW5	1359	—	—
ARP35	1091	—	VR91	AW6	1077	—	—
ARP36	1065	—	VR65				VI77

Section 4 "CV" or "COMMON VALVE" TYPES

The following abbreviations have been used in this section to indicate the names of valve manufacturers :—

Cos.	.. COSSOR.
Edi.	.. EDISWAN.
EMI	.. GRAMOPHONE CO., LTD.
MOV	.. MARCONI OR OSRAM.
Mul.	.. MULLARD
Maz.	.. MAZDA.
STC	.. STANDARD TELEPHONES & CABLES (BRIMAR).
Tun.	.. TUNGSRAM.
USA	.. AMERICAN VALVE TYPES.

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
5	GU21 (MOV)	87	KRN2 (EMI)
6	DET20 (MOV)	88	S28A, 3A/148J (STC)
9	AL60 (Mul.)	118	SP61 (Maz.)
16	S25A, 3A/145J (STC)	124	807 (USA), 5B/250A (STC)
18	DET19 (MOV), 4074A (STC), RK34 (USA)	127	S30A, 3B/401J (STC)
20	V1906 (Maz.)	131	9D6 (STC)
24	HL41 (MOV)	133	6C4 (USA)
25	4242A (STC), 242 (USA)	136	7D9 (STC)
26	813 (USA), 5C/100A (STC)	138	8D3 (STC), V888 (Maz.)
31	U20 (MOV), FW4-500 (Mul.)	140	6AL5 (USA)
32	866A (USA), 2V/400A (STC)	152	GU21 (MOV), 4049C (STC), RG3-1250 (Mul.)
49	HK54 (USA), 3B/501A (STC)	171	210VPT (Cos.), VS2, W21 (MOV)
53	S26A, 3A/146J (STC)	176	XP1-5 (HIVAC)
65	Pen25 (Maz.)	181	ECC32 (Mul.)
66	RL37 (Mul.)	185	PM202 (Mul.)
82	S27A, 3A/147J (STC)	187	U19 (MOV)
84	4033A, 3B/102B (STC)	190	DLS10 (Edi.)
		200	MZ2-200 (Maz.)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
220	631PI (Strobotron)	571	50L6GT (USA)
230	DV55 (STC)	572	6X5G (USA)
248	GS16 (Photocell)	573	6X5 (USA)
261	R10, 2T/27OK (STC)	574	6X5GT (USA)
302	ECH22 (Mul.)	575	5U4G (USA)
303	EF22 (Mul.)	578	6A8G (USA), X63 (MOV)
304	EL22 (Mul.)	579	6A8 (USA)
346	EZ22 (Mul.), 7Z4 (USA)	580	6A8GT (USA)
500	6T7G (USA)	581	6C5G (USA)
504	6U5-6G5 (USA)	582	6C5 (USA)
506	6V5G (USA)	583	6C5GT (USA)
509	6V6G (USA)	585	6C6 (USA)
510	6V6 (USA)	587	6Q7G (USA), DH63 (MOV)
511	6V6GT (USA)	588	6Q7 (USA)
512	6W7G (USA)	589	6Q7GT (USA)
515	6Y6G (USA)	590	6SJ7G (USA)
522	7B7 (USA)	591	6SJ7 (USA)
525	12A6 (USA)	592	6SJ7GT (USA)
526	12A6GT (USA)	594	6SH7 (USA)
529	12AH7GT (USA)	595	6SH7GT (USA)
531	12C8 (USA)	597	2X2-879 (USA)
535	12J5GT (USA)	600	5CP1 (USA)
537	12SA7 (USA)	601	5BP1-1802P1 (USA)
538	12SA7GT (USA)	602	3AP1-906P1 (USA)
540	12SC7 (USA)	603	10 (USA)
543	12SK7 (USA)	604	30 (USA)
544	12SK7GT (USA)	606	37 (USA)
546	12SQ7 (USA)	608	41 (USA)
547	12SQ7GT (USA)	609	42 (USA)
549	25A6 (USA)	610	45 (USA)
550	25A6GT (USA)	611	56 (USA)
551	25L6G (USA)	612	57 (USA)
552	25L6 (USA)	613	58 (USA)
553	25L6GT (USA)	614	75 (USA)
555	25Z5 (USA)	615	76 (USA)
558	25Z6 (USA)	616	77 (USA)
559	25Z6GT (USA)	617	80 (USA)
561	35L6 (USA)	618	83 (USA) 22V/310A (STC)
562	35L6GT (USA)	619	84 (USA)
564	35Z3 (USA)	620	211 (USA), 4211 (STC)
565	35Z3GT (USA)		
567	35Z5 (USA)		
568	35Z5GT (USA)		

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
621	801 (USA)	668	35T (USA)
622	802 (USA)	669	279A (USA)
623	803 (USA)	670	645 (USA)
624	804 (USA)	683	316A (USA), 4316A (STC)
625	805 (USA)		
626	808 (USA)	686	VR105-30 (USA)
627	810 (USA)	690	RK48A (USA)
628	811 (USA)	692	OZ4 (USA)
629	814 (USA)	694	12SG7 (USA)
630	826 (USA)	697	12SJ7 (USA)
631	828 (USA)	698	12SJ7GT (USA)
632	829 (USA)	700	12SR7 (USA)
634	832 (USA)	703	12K8 (USA)
636	836 (USA)	705	1D5GP (USA)
637	837 (USA)	706	6U7G (USA), KTW63 (MOV)
638	838 (USA)		
639	843 (USA)	709	RX235 (USA)
640	860 (USA)	710	WE368A (USA)
642	872A (USA)	711	32 (USA)
643	874 (USA)	712	38 (USA)
644	875 (USA)	717	5R4GY (USA)
645	876 (USA)	718	5FP7 (USA)
647	884 (USA)	719	2J21A (USA)
648	885 (USA)	720	723A (USA)
649	956 (USA)	721	1D24 (USA)
650	958 (USA)	722	725A (USA)
651	991 (USA)	723	1619 (USA)
652	1603 (USA)	724	816 (USA)
653	1611 (USA)	725	1B24 (USA)
654	1612 (USA)	726	35Z3LT (USA)
655	1613 (USA)	727	1N21 (USA)
656	1616 (USA)	728	1P5GT (USA)
657	1620 (USA)	729	5V4G (USA)
658	1622 (USA)	730	6A3 (USA)
659	1625 (USA)	731	6F6GT/G (USA), KT63 (MOV)
660	1852-6AC7 (USA)		
661	1853 (USA)	732	6W4GT (USA)
662	8012 (USA)	733	8D (USA)
663	8025 (USA)	734	228A (USA)
664	9002 (USA)	735	845 (USA)
665	9003 (USA)	736	905 (USA)
666	9004 (USA)	737	906 (USA)
667	9005 (USA)	738	953 (USA)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
742	FG67 (USA)	847	6AF6G (USA)
743	GET2 (USA)	848	6AG5 (USA)
744	GET4½ (USA)	849	6AJ7 (USA)
745	HK24 (USA)	850	6AK5 (USA)
747	6AC7-6AJ7 (USA)	851	6B4G (USA)
753	1A3 (USA)	852	6C4 (USA)
755	1A5G (USA)	856	6G8G (USA)
756	1A5GT (USA)	857	6H7G (USA)
759	1B5/25S (USA)	858	6J6 (USA)
760	1B7GT (USA)	860	6K5G (USA)
761	1B22 (USA)	861	6K5GT (USA)
764	1D5 (STC)	862	6L5G (USA)
775	1LA6 (USA)	876	7A6 (USA)
776	1LB4 (USA)	877	7A7 (USA)
777	1LC5 (USA)	878	7A8 (USA)
778	1LC6 (USA)	879	7B4 (USA)
779	1LD4 (USA)	880	7B5 (USA)
780	1LH4 (USA)	882	7B6 (USA)
781	1LN5 (USA)	883	7B8 (USA)
782	1R5 (USA)	884	7BP7 (USA)
783	1S4 (USA)	885	7C5 (USA)
784	1S5 (USA)	886	7C6 (USA)
785	1T4 (USA)	888	7D7 (STC)
786	1T5 (USA)	889	7D8 (STC)
788	832A (USA)	890	7E5 (USA)
797	2D21 (USA)	891	7E6 (USA)
807	3A4 (USA)	892	7E7 (USA)
809	3A/105B (STC)	893	7F7 (USA)
812	3B24 (USA)	894	7G7/1232 (USA)
814	3BP1 (USA)	895	7H7 (USA)
816	3DP1 (USA)	896	7K7 (USA)
818	3Q4 (USA)	897	7J7 (USA)
819	3Q5GT/G (USA)	898	7N7 (USA)
820	3S4 (USA)	899	7Q7 (USA)
823	4C29 (USA)	900	7R7 (USA)
834	5B/300B (STC)	901	7Y4 (USA)
840	5H4 (USA)	902	7W7 (USA)
841	5U4GT (USA)	908	12A5 (USA)
842	5W4G (USA)	909	12A7 (USA)
843	6N5 (USA)	910	12A8GT (USA)
844	6AC5G (USA)	911	12B8GT (USA)
845	6AC5GT (USA)	916	12H6 (USA)
846	6AC7 (USA)	917	12J7GT/G (USA)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
918	12K7GT/G (USA)	1059	HA2 (MOV), 955 (USA)
919	12SF5 (USA)	1060	807 (USA), 5B/250A (STC)
920	12SF5GT (USA)	1061	RK34 (USA), DET19 (MOV), 4074A (STC)
921	12SF7 (USA)	1062	TY1-50 (Mul.), DET12 (MOV), 834 (USA)
922	12SH7 (USA)	1064	U12/14 (MOV)
924	12SL7GT (USA)	1065	SP41 (6·3 heater) (Maz.) <i>SP61</i>
925	12SN7GT (USA)	1066	P41 (6·3 heater) (Maz.) <i>P61</i>
929	13SPA (Cos.)	1067	6J5G (USA), L63 (MOV)
933	15E (USA)	1068	STV/280/40 (MOV)
963	09J (Cathode Ray Tube)	1069	STV/280/80 (MOV)
1018	215SG (Cos.)	1070	7475 (Mul.)
1019	P215-PM2 (Mul.)	1071	5U4G (USA), U52 (MOV)
1020	220P (Cos.)	1072	GU50 (MOV)
1021	210LF (Cos.)	1073	H63 (MOV), 6F5G (USA)
1022	220PA (Cos.)	1074	6J7G (USA), KTZ63 (MOV)
1023	230XP (Cos.)	1075	KT66 (MOV)
1025	DET25 (MOV)	1076	DA41 (MOV), TZ40 (USA)
1027	210LF (Cos.)	1077	EM31 (Mul.)
1028	220VSG (Cos.)	1078	D1 (Maz.)
1029	ESU150 (Maz.)	1079	KT8 (MOV)
1032	220B (Cos.)	1080	4307A (STC)
1034	DET3 (MOV)	1081	4052A (STC)
1035	QP21 (Maz.) <i>QV01</i>	1082	220TH (Cos.)
1037	MH4 (MOV)	1083	210VPT (Cos.)
1038	MHL4 (MOV)	1088	832 (USA)
1039	MU14 (MOV), 1W4 (Mul.), R3 (STC)	1091	EF50 (Mul.)
1040	P5/400 (Maz.) <i>P225 (Mul.)</i>	1092	EA50 (Mul.), 6D1 (Maz.)
1041	PM12M (Mul.)	1095	ZA2 (MOV), 954 (USA)
1043	210PG (Cos.)	1096	5B/502A (STC)
1044	210DDT (Cos.)	1099	Z66 (MOV) <i>X66</i>
1045	X56 (MOV)	1100	KTW62 (MOV)
1046	PT25H (MOV)	1101	MHLD6 (MOV)
1047	TZ05-20 (Mul.)		
1049	210SPT (Cos.)		
1050	HL2K (MOV)		
1051	Pen 22A (Maz.) <i>P2220A</i>		
1052	EL32 (Mul.)		
1053	EF39 (Mul.)		
1054	EB34 (Mul.)		
1055	EBC33 (Mul.)		
1056	EF36 (Mul.)		
1057	EF32 (Mul.)		

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
1102	BL63 (MOV)	1163	PD220A (Maz.)
1103	Y63 (MOV)	1164	AC/SG (Maz.)
1104	PT15 (MOV)	1165	VMS4 (MOV)
1105	ML6 (MOV)	1166	P220 (Maz.)
1106	9D2 (STC)	1167	PM24A (Mul.)
1107	15D2 (STC)	1168	PX4 (MOV)
1108	8D2 (STC)	1169	VMP4G (MOV)
1109	4D1 (STC)	1170	D41 (MOV)
1110	S130 (Cos.)	1171	A40 (Maz.), AT4 (Mul.), HA1 (MOV)
1111	V1907 (Maz.)	1174	AC.Pen (Maz.), KT42 (MOV), Pen4VA (Mul.)
1113	U17 (MOV)	1175 }	ZA1 (MOV), AP4
1116	V872 (Maz.)	1176 }	(Mul.)
1117	41MTL (MOV)	1178	DO30 (Mul.), DA30 (MOV)
1118	KT2 (MOV)	1179	AC/P (Maz.), ML4 (MOV)
1119	DDL4 (MOV) Cos	1180	244V (Mul.)
1120	SU2150A (Cos.)	1181	KT41 (MOV), AC2Pen (Maz.), PenA4 (Mul.)
1121	T41 (Maz.)	1182	H42 (Maz.)
1122	41MXP (Cos.)	1183	W42 (Maz.)
1123	EF8 (Mul.)	1186	6F6G (USA), KT63 (MOV)
1124	MS/Pen (Cos.)	1187	D41 (MOV)
1125	MS/PenB (Cos.)	1188	N43 (MOV)
1126	4SH (Cos.)	1189	AC6Pen (Maz.)
1127	Pen46 (Mul.) Maz	1190	ACP4 (Maz.)
1128	GT1C (MOV)	1191	KTZ41 (MOV)
1129	MS/Pen (Cos.)	1192	Z62 (MOV)
1130	HL23 (Maz.)	1193	X65 (MOV)
1133	V960 (Maz.)	1194	X41 (MOV), 20A1 (STC)
1134	HVR2 (Mul.)	1195	KTW63 (MOV)
1135	E1148 (MOV)	1196	AC5PenDD (Maz.)
1136	RL7 (Mul.) RF62 (Mul.)	1197	RL18 (Mul.)
1137	RL16 (Mul.) RF62	1198	ACP4 (Maz.)
1141	DPQ (Cos.)	1200	202 (Barreter) (MOV)
1143	GT1A (MOV)	1201	4317 (Stabiliser) (Mul.)
1151	PM3 (Mul.)	1202	304 (Barreter) (MOV)
1152	PM4DX (Mul.)	1205	E1007 (MOV)
1153	PM254 (Mul.)		
1154	PM4DX (Mul.), L410 (MOV)		
1156	DEQ (MOV)		
1158 }	PM14 (Mul.)		
1159 }			
1160 }	ML4 (MOV), 104V		
1161 }	(Mul.)		

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
1206	DA60 (MOV), DO60 (Mul.)	1303	HL210 (Maz.), PM1HF (Mul.)
1208	PM256 (Mul.)	1304	LP2 (MOV)
1219	DA100 (MOV), MZ1-100 (Mul.)	1306	HL23DD (Maz.)
1220	4033A (STC)	1307	L21 (MOV), L2 (Maz.), PM1LF (Mul.)
1221	PT6 (MOV), SW75Pen (Maz.), PZ1/75 (Mul.)	1308	TDD2A (Mul.), L21DD (Maz.), HD24 (MOV)
1222	ACT6 (MOV)	1309	4019B (STC)
1223	DET5 (MOV)	1310	4020A (STC)
1237)	PM24D (Mul.)	1311	4022AR (STC)
1238 j		1312	220RC (Cos.)
1240	PZ1-35 (Mul.)	1313	220LF (Cos.)
1246	PM202 (Mul.)	1314	DLS10 (Maz.)
1261	RX3-120 (Mul.)	1316	4021B (STC)
1262	GU1 (MOV)	1317	S625 (MOV)
1263	RG1-125 (Mul.)	1318	VS24 (MOV), S215 (Maz.)
1264	U18 (MOV)	1319	VS2 (MOV), PM12V (Mul.)
1265)	U15 (MOV)		1320
1266 j	U4020 (Maz.)	1321	9D2 (STC), 12VPA (Cos.)
1267	5Y3G (USA), U50 (MOV)	1322	SP210 (Maz.)
1279	MU2 (Maz.)	1323	VP2 (Mul.)
1280	X64 (MOV), 6L7G (USA)	1324	SP4 (Mul.), 8A1 (STC)
1281	KTW61 (MOV)	1325	42MPT (Cos.)
1282	AC/52/Pen (Maz.), MSP4 (MOV)	1326	AC4/Pen (Maz.)
1283	MS/Pen (Cos.), SP4 (Mul.)	1327	Pen1340 (Maz.)
1285	ECC31 (Mul.), 6N7G (USA)	1328	7D8 (STC)
1286	EL35 (Mul.), 6L6G (USA)	1329	PenA4 (Mul.)
1288	DET12 (MOV), TY1-50 (Mul.)	1330	TSP4 (Mul.)
1290)	SU2150A (Cos.)	1331	VP23 (Maz.)
1291 j		1332	VP210 (Maz.)
1300	10D1 (STC)	1333	220VPT (Cos.)
1301	6H6G (USA), D63 (MOV)	1334	KT24 (MOV)
1302	D42 (MOV)	1335	SP41 (Maz.)
		1336	SP42 (Maz.)
		1337	116/Pen (Cos.)
		1338	220VPT (Cos.)
		1340	KT44 (MOV)
		1341	MSP4 (MOV)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
1342	QP25 (Maz.)	1424	20A1 (STC)
1343	KTZ73 (MOV)	1425	7D5 (STC)
1344	TP22 (Maz.)	1426	EK2 (Mul.)
1345	TP25 (Maz.)	1427	EF9 (Mul.)
1347	ECH35 (Mul.)	1428	EBC3 (Mul.)
1356	U22 (Maz.)	1429	EL2 (Mul.)
1359	ME41 (Maz.)	1430	ACSP3RH (Maz.)
1361	MZ05-20 (Mul.)	1433	EC31 (Mul.)
1363	DET16 (MOV)	1434	EM4 (Mul.)
1364	807 (USA), 5B/250A (STC)	1435	GU20 (MOV)
1365	4282B (STC)	1436	HL2K (MOV)
1366	V248Z (Maz.)	1437	KT44 (MOV)
1367	V425 (Maz.)	1438	KT61 (MOV)
1368	V226 (Maz.)	1443	U10 (MOV)
1369	4061A (STC)	1444	42SPT (Cos.)
1370	PV1/35 (Mul.)	1445	4012A (STC)
1371	PT6 (MOV), PZ1/75 (Mul.)	1446	4017B (STC)
1372	4069A (STC)	1447	4030C (STC)
1374	807 (USA), 5B/250A (STC)	1448	4043C (STC)
1385	ACR13 (Cathode Ray Tube)	1449	4064B (STC)
1400	C1C (Barreter) (Mul.)	1450	4228A (STC)
1401	CL33 (Mul.)	1451	4274 (STC)
1402	CY31 (Mul.)	1452	4300A (STC)
1403	DD41 (Maz.)	1453	4378 (STC)
1404	EF36 (Mul.)	1454	225DU (Cos.)
1405	E1199 (MOV)	1455	41IU (Cos.)
1407	PEN45 (Mul.)	1456	PEN383 (Maz.)
1408	P41 (Mul.)	1458	41MP (Cos.)
1409	SO2 (Mul.)	1459	MU2 (Maz.)
1410	TH2 (Mul.)	1460	X41 (MOV)
1411	TH41 (Mul.)	1461	U22 (MOV)
1412	TV4 (Mul.)	1462	A915 (MOV)
1413	UU6 (Maz.)	1463	CBL31 (Mul.)
1414	VP41 (Maz.)	1464	EF39 (Mul.)
1415	4011A (STC)	1466	P57 (Mul.)
1418	10D1 (STC)	1467	PY3/600 (Maz.) (CV1373)
1419	11D3 (STC)	1468	SP4 (Mul.)
1422	3D/100A (STC)	1469	Z22 (MOV)
1423	9D2 (STC)	1470	3P/270B (STC)
		1471	4094A (STC)
		1501	E1192 (MOV)
		1502	KT32 (MOV)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
1503	KT33C (MOV)	1846	5T4 (USA)
1505	MH41 (MOV)	1849	5W4 (USA)
1508	V1913 (Maz.)	1851	5Z4G (USA), U52 (MOV)
1510	E1242 (MOV)		
1569	R3 (STC)	1854	5Y3 (USA)
1572	807 (USA), 5B/250A (STC)	1856	5Y3GT (USA), U50 (MOV)
1573	4074B (STC)	1857	5Y4G (USA)
1574	SP41 (Maz.)	1861	5Z3 (USA)
1575	U52 (MOV), 5U4G (USA)	1863	5Z4G (USA)
1576)	KT44 ^T (MOV)	1864	5Z4 (USA)
1577)			1867
1578	EF50 (Mul.)	1870	6A7 (USA)
1579	954 (USA) ZA2 (MOV)	1873	6AB7 (USA)
1751	34 (USA)	1876	1852 (USA)
1752	35/51 (USA)	1878	6AD7G (USA)
1753	35A5 (USA)	1882	6AG7 (USA)
1754	35TG (USA)	1885	6B5 (USA)
1800	1A7G (USA), X14 (MOV)	1887	6B6G (USA)
		1890	6B7G (USA)
1802	1A7GT (USA)	1891	6B7 (USA)
1803	1C5G (USA), N14 (MOV)	1893	6B8G (USA)
1805	1C5GT (USA)	1894	6B8 (USA)
1806	1D5G (USA)	1896	6C8G (USA)
1811	1D8GT (USA)	1900	6D6 (USA)
1812	1E7G (USA)	1902	6D8G (USA)
1817	1G4GT (USA)	1906	6E5 (USA)
1818	1H5G (USA), HD14 (MOV)	1909	6F5 (USA)
		1910	6F5GT (USA)
1820	1H5GT (USA)	1911	6F6G (USA)
1821	1N5G (USA), Z14 (MOV)	1912	6F6 (USA)
1823	1N5GT (USA)	1915	6F7 (USA)
1824	1Q5G (USA)	1917	6F8G (USA)
1829	1Q5GT (USA)	1918	6F8 (USA)
1829	1T5GT (USA)	1922	6FL7GT (USA)
1831	2A3 (USA)	1925	6FN7GT (USA)
1834	2A5 (USA)	1926	6G6G (USA)
1837	2B7 (USA)	1929	6H6G (USA), D63 (MOV)
1840	2SK7 (USA)	1930	6H6 (USA)
1843	2Y2 (USA)	1931	6H6GT (USA)
		1932	6J5G (USA), L63 (MOV)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
1933	6J5 (USA)	1999	1V (USA)
1934	6J5GT (USA)	2500	35Z4GT (USA)
1936	6J7 (USA)	2501	40 (USA)
1937	6J7GT (USA), KTW63 (MOV)	2502	41FP (Cos.)
1938	6K6G (USA)	2503	41MH (Cos.)
1940	6K6GT (USA)	2504	41MHL (Cos.)
1941	6K7G (USA)	2505	41MPG (Cos.)
1942	6K7 (USA)	2506	41MPT (Cos.)
1943	6K7GT (USA)	2508	41STH (Cos.)
1944	6K8G (USA)	2509	41(XP)FP (Cos.)
1945	6K8 (USA)	2511	420T (Cos.)
1946	6K8GT (USA)	2512	420TDD (Cos.)
1947	6L6G (USA)	2513	42PAY (Cos.)
1948	6L6 (USA)	2514	43 (USA)
1950	6L7G (USA), X64 (MOV)	2530	45Z5GT (USA)
1951	6L7 (USA)	2531	46 (USA)
1953	6N6G (USA)	2532	49 (USA)
1956	6N7G (USA)	2533	50 (USA)
1957	6N7 (USA)	2534	50L6 (USA)
1958	6N7GT (USA)	2535	53 (USA)
1960	6R6 (USA)	2536	53A (USA)
1963	6R7 (USA)	2537	55 (USA)
1964	6R7GT (USA)	2538	59 (USA)
1966	6SA7 (USA)	2544	78 (USA)
1967	6SA7GT (USA)	2545	79 (USA)
1969	6SC7 (USA)	2546	81 (USA)
1972	6SF5 (USA)	2547	83V (USA)
1973	6SF5GT (USA)	2548	84 (USA)
1974	6S7G (USA)	2549	85 (USA)
1978	6SG7 (USA)	2550	100T (USA)
1981	6SK7 (USA)	2551	100TH (USA)
1982	6SK7GT (USA)	2556	117L7GT (USA)
1984	6SL7 (USA)	2557	117N7GT (USA)
1985	6SL7GT (USA)	2558	117Z6GT (USA)
1986	6SN7G (USA)	2562	164V (Mul.)
1988	6SN7GT (USA)	2569	210DET (Cos.)
1990	6SQ7 (USA)	2570	210HF (Cos.)
1991	6SQ7GT (USA)	2571	210HL (Cos.)
1993	6SS7 (USA)	2574	210VPA (Cos.)
1995	6ST7G (USA)	2576	211 (USA), 4211E & D (STC)
1996	6ST7 (USA)	2581	2200T (Cos.)
		2582	220VS (Cos.)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
2583	225DO (Cos.)	2891	DE5 (MOV)
2586	240B (Cos.)	2892	DE5B (MOV)
2587	242 (USA), 4242A (STC)	2895	DET1SW (MOV)
2591	HK254 (USA), RK38 (USA)	2898	DET8 (MOV)
2611	304TH (USA)	2899	DET9 (MOV)
2637	388A (USA)	2900	DET10 (MOV)
2638	393A (USA)	2912	DL63 (MOV)
2643	446A (USA)	2913	DLS1 (Maz.)
2651	707B (USA)	2926	EBL33 (Mul.)
2653	709A (USA)	2927	EC50 (Mul.)
2656	724A (USA)	2930	ECH33 (Mul.)
2716	1655 (USA)	2938	EL33 (Mul.)
2721	2050 (USA)	2940	EL36 (Mul.)
2743	4033AF (STC)	2941	EL50 (Mul.)
2759	4304 (STC)	2942	EM1 (Mul.)
2762	4316A (STC)	2954	FC2A (Mul.)
2769	9006 (USA)	2955	FC4 (Mul.)
2787	R7011 (USA)	2956	FC13C (Mul.)
2789	ZP455 (USA)	2959	38401A (USA)
2806}	AC/2HL (Maz.)	2969	GT1 (MOV)
2807}		2977	H2 (MOV)
2808	AC/2Pen (Maz.)	2979	H30 (MOV)
2809	AC/5Pen (Maz.)	2981	HL10 (MOV)
2811}	AC/HL (Maz.)	2982	H610 (MOV)
2812}		2985	HD24 (MOV)
2813	AC/HLDD (Maz.)	2991	HL2 (MOV)
2815	AC/P (Maz.)	2994	HL23 (Maz.)
2818	AC/PT8 (Maz.)	2996	HL41DD (Maz.)
2819	AC/S (Maz.)	2997	HL63 (MOV)
2820	AC/SP1 (Maz.)	2998	HL133 (Maz.)
2822	AC/SG (Maz.)	2999	HL133DD (Maz.)
2823	AS/SP3 (Maz.)	3500	HL210 (MOV)
2824	AC/SPen (Maz.)	3501	HL610 (MOV)
2830	AC/TH1 (Maz.)	3502	HL1320 (Maz.)
2832	AC/VP2 (Maz.)	3503	HLDD1320 (Maz.)
2836}	APP4G (Tun.)	3519	KT30 (MOV)
2837}		3520	KT31 (MOV)
2853	U15 (MOV), RZ1-250 (Mul.)	3527	KTW73 (MOV)
2864	B21 (MOV)	3530	KTZ73 (MOV)
2865	B30 (MOV)	3531	L2 (Maz.)
		3532	L21 (MOV)
		3533	L22DD (Maz.)
		3534	L30 (MOV)

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
3538	L610 (MOV)	3649	PM22 (Mul.)
3541	LS6A (MOV)	3652	PT5 (MOV)
3546	MHD4 (MOV)	3653	PT6 (MOV)
3547	MHL4 (MOV)	3654	PT11 (MOV)
3552	MPT4K (MOV)	3656	PT425 (MOV)
3553	MS4B (MOV)	3657	PV05/15 (Mul.)
3554	MPT42 (MOV)	3658	PV1/35 (Mul.)
3562	MSP41 (MOV)	3667	RG1/250 (Mul.)
3567	MU1 (Maz.)	3670	RG4/1000 (Mul.)
3571	MVSPen (Cos.)	3671	RK25 (USA), 4061A (STC)
3572	MVSPenB (Cos.)	3672	RK28 (USA), 4069A (STC)
3576	MX40 (Cos.)	3673	RK28A (USA)
3578	PM22D (Mul.)	3684	RKR73 (USA)
3579	PT5E (MOV)	3691	S23 (MOV)
3582	VP4B (Mul.)	3692	S130 (Cos.)
3584	21/2 (USA)	3694	S215 (Cos.)
3585	451 (USA)	3695	S610 (MOV)
3586	471A (USA)	3698	SP13C (Mul.)
3587	705A (USA)	3704	T41 (Maz.)
3588	706A (USA)	3723	TDD2A (Mul.)
3689	707A (USA)	3726	TDD4 (Mul.)
3590	708A (USA)	3727	TP26 (Maz.)
3592	UX6653 (USA)	3735	TZ20 (USA)
3604	GL464 (USA)	3742	U5 (MOV)
3605	GL464B (USA)	3743	U6 (MOV)
3620	P220 (Maz.)	3744	U14 (MOV)
3621	P410 (MOV)	3746	U21 (MOV)
3622	P610 (MOV)	3751	U30 (MOV)
3623	PA40 (Maz.)	3752	U31 (MOV)
3626	Pen4B (Mul.)	3753	U50 (MOV)
3630	Pen44 (Maz.)	3754	UU4 (Maz.)
3631	Pen45DD (Maz.)	3759	UU5 (Maz.)
3633	Pen231 (Maz.)	3760	UU7 (Maz.)
3634	Pen428 (Mul.)	3761	VMP4G (MOV)
3635	Pen1340 (Maz.)	3785	VP2 (Mul.)
3637	Pen1346 (Maz.)	3786	VP4 (Mul.)
3639	PenA4 (Mul.)	3787	VP13C (Mul.)
3641	PM1HL (Mul.)	3788	VP21 (Maz.)
3642	PM1LF (Mul.)	3790	VP24 (Maz.)
3643	PM2A (Mul.)	3791	
3645	PM2DX (Mul.)	3792	
3647	PM22A (Mul.)		
3648	PM24E (Mul.)		

CV Designation	Commercial Descriptions	CV Designation	Commercial Descriptions
3794	VP210 (Maz.)	3818	X22 (MOV)
3795	VP215 (Maz.)	3819}	X24 (MOV)
3796	VP1322 (Maz.)	3820}	
3804	W21 (MOV)	3821}	X31 (MOV)
3805	W30K (MOV)	3822}	
3806}	W31 (MOV)	3824	X61 (MOV)
3807}		3825	X63 (MOV)
3810}		3828	X66 (MOV)
3811}	WD30 (MOV)	3835}	Z21 (MOV)
3816}		3836}	
3817}	X21 (MOV)	3837}	

Section 5 CIVILIAN EQUIVALENT OF U.S. SIGNAL CORPS VALVES

V.T. No.	Civilian Type	V.T. No.	Civilian Type
4C	211	39A	869B
5	WE215A	40	40
7	WX12	41	851
17	860	42A	872A
19	861	43	845W
22	204A	44	32
24	864	45	45
25	10	46A	866A
26	22	47	47
27	30	48	41
28	24A	49	39/44
29	27	50	50
30	01A	51	48 844
31	31	52	45
33	33	54	34
34	207	55	865
35	35-51	56	56
36	36-36A	57	57
37	37-37A	58	58
38	38-38A	59	59

V.T. No.	Civilian Type	V.T. No.	Civilian Type
60	850	111	1802-P4, 5BP4
62	801A	112	6AC7/1852
63	46	114	5T4
64	800	115	6L6
65	6C5	116	6SJ7
65G	6C6	117	6SK7
66	6F6	118	832
67	SP30	119	879-2X2A
68	6B7	120	954
69	6D6	121	955
70	6F7	124	1A5GT/G
72	842	125	1C5GT/G
73	843	126	6X5
74	5Z4	128	1630-A5588A
75	75	129	304TL
76	76	131	12SK7
77	77	132	12K8Y
78	78	133	12SR7
80	80	134	12A6
83	83	135	12J5GT
84	98-84 6Z4	136	1625
86	6K7	137	1626
86A	6K7G	138	1629
87	6L7	139	VR150/30
88	6R7	141	WL531
89	89Y	143	805
90	6H6	144	813
91	6J7	145	5Z3
92	6Q7	146	IN5GT/G
93	6B8	147	1A7GT
94	6J5	148	1D8GT
95	2A3	149	3A8GT
96	6N7	150	6SA7
97	5W4	151	6A8G
98	6G5/6U5	152	6K6GT
99	6F8G	153	12C8
100A	807	154	814-RK47
101	837	161	12SA7
103	6SQ7	162	12SJ7
104	12SQ7	163	6C8G
105	6SC7	164	1619
106	803-RK34	165	1624
107	6V6	167	6K8
108	450TH	168A	6Y6G
109	2051	169	12C8

V.T. No.	Civilian Type	V.T. No.	Civilian Type
170	1E5GT	216	816
171	1R5	217	811
172	1S5	218	100TH
173	1T4	220	250TH-RK63,
174	3S4		HK354E
175	1613	221	3Q5GT/G
176	6AB7/1853	222	884
177	1LH4	223	1H5GT/G
178	1LC6	224	2C34-RK34
179	1LN5	225	307A
182	3B7-1291	226	3EP1-1806-P1
183	1R4-1294	228	8012A
184	OB3-VR90	229	6SL7GT
185	3D6-1299	230	350A
188	7E6	231	6SN7GT
189	7F7	233	6SR7
190	7H7	234	HY114B
191	316A	235	HY615-705A, 802P
192	7A4	236	836
193	7C7	237	957
194	7J7	238	956
195	1005	241	7E5/1201A
197A	5Y3GT	243	7C4/1203A
198A	6G6G	244	5U4G
199	6SS7	245	2050
200	0C3-VR105	246	918
201	25L6	247	6AG7
202	9002	250	EF50
203	9003	254	304TH
204	3C24	255	8021-705A
205	6ST7	259	829B
206A	5V4G	260	OA3-VR75
207	12AH7GT	264	3Q4
209	12SG7	266	1616-866JR, 2B26
210	1S4	268	12SC7
211	6SG7	269	717A
212	958A	286	832A
213A	6L5G	287	815
214	12H6	288	12SH7
215	6E5	289	12SL7GT

Section 6

CONTINENTAL VALVES

CLASSIFICATION

The coding consists of two or three letters followed by one or two numbers. These letters and numbers have the following significance:—

FIRST LETTER—Heater Rating

A	4 volts Indirectly Heated (A.C.).	E	6·3 volts A.C. or Accumulator (6 volts).
B	180 mA. D.C.	F	13 volts Car Radio
C	200 mA. A.C./D.C.	K	2 volts Battery
D	1·2-1·4 volts Battery	U	100 mA. A.C./D.C.
		V	50 mA. A.C./D.C.

SECOND LETTER—Type of Valve

A	Diode.	L	Output Pentode.
B	Double Diode.	M	Magic Eye.
C	Triode.	X	Gas Full Wave Rectifier.
D	Output Triode.	Y	Half Wave High Vacuum Rectifier.
E	Tetrode.	Z	Full Wave High Vacuum Rectifier.
F	R.F. Pentode.		
H	Hexode or Heptode.		
K	Octode.		

THIRD LETTER

If used, the third letter has the same significance as the second.

NUMBER—Type of base and sub-division of valve types

1 to 10	Side Contact.	21	Loctal.
11 to 20	Footless.	31 to 39	International Octal.

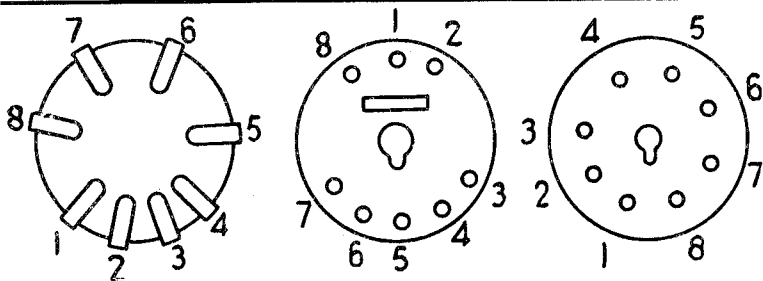
EXAMPLES

AC2	..	4 v. Triode with Side Contact Base.
ECH3	..	6·3 v. Triode Hexode with Side Contact Base.
ECH11	..	6·3 v. Triode Hexode with Footless Base.
CBL1	..	200 mA. (39 v.) Double Diode Pentode. Side Contact Base.
AD1	..	4 v. Output Triode. Side Contact Base.
DDD25	..	1·4 v. (or 2·8 v.) Output Double Triode. Loctal Base.
AZ12	..	4 v. F.W. Rectifier. Footless Base.
UCH11	..	100 mA. Triode Hexode with Footless Base.
EF39	..	6·3 v. R.F. Pentode with International Octal Base.

NOTE

EF9, EF39 and EF11 are electrically similar.
ECH3, ECH35 and ECH11 are electrically similar.
EB4, EB34 and EB11 are electrically similar.
EF6, EF36 and EF12 are electrically similar.
EBC33 and EBC11 are electrically similar.

Valve Type	Contact Number								TC
	1	2	3	4	5	6	7	8	
Side Contact Base Connections									
ABC1 EBC3									
CBC1	M	h	h	k	d'	d''	—	a	g
AC2, CC2, EC2	M	h	h	k	—	—	—	a	g
AF3, EF6, CF3,									
AF7, EF9, CF7	M	h	h	k	g3	—	g2	a	g1
EF8	M	h	h	k	g4	g2	g3	a	g1
AK2, EK2, CK1	M	h	h	k, g6	g2	g1	g3, g5	a	g4
AL2, EL2, CL6	—	h	h	k, g3	—	—	g2	a	g1
AL4, AL5, EL3,									
EL5, EL6	—	h	h	k, g3	—	g1	g2	a	—
AM2, C/EM2	—	h	h	k	gsc	gt	t	a	—
AZ1, AZ2	—	f	f	—	a'	—	—	a''	—
ECH1, CCH1	M	h	h	k	at	gt	g2, g4	ah	g1h
EZ2, EZ4	—	h	h	k	a'	—	—	a''	—
Footless Base Connections									
EBC11	g	k, M	—	h1	h	d'	d''	a	—
EBF11, ÜBF11	g1	k, M, g3	a	h	h	d'	d''	g2	—
ECH11, UCH11	g1h	k, M	a	h	h	gt, g3h	at	g2h, g4h	—
EDD11	g'	k, M	—	h	h	g''	a''	a'	—
EF11, EF12,									
UF11	g1	k, M, g3	—	h	h	—	a	g2	—
EF13	g1	k, M	—	h	h	g3	a	g2	—
EL11, EL12,									
UL12	g1	k, g3	—	h	h	—	a	g2	—
EM11	g	k, gsc	t	h	h	—	a'	a''	—
UY11	k	—	—	h	h	—	a	—	—
AZ11, EZ11,									
AZ12	—	—	—	f	f	—	a'	a''	—
EZ12	k	—	—	h	h	—	a'	a''	—
DAF11	g1	f(-), M, g3	a	f(-)	f(-), M, g3	—	d	g2	—
DCH11	g1h	f(-), M	ah	f(-)	f(-), M	gt	at	g2h, g4h	—
DF11, DL11	g1	f(-), M, g3	—	f(-)	f(-), M, g3	—	at	g2	—
DC11	g	f(-), M	—	f(-)	f(-), M	—	a	—	—
DDD11	g'	f(-), M	—	f(-)	f(-), M	g''	a''	a'	—
Loctal Base Connections									
ECH21, UCH21	h	ah	at	gt	g2h, g4h	g1h	g3h	h	—
			k &	g5h	to spigot				
EBL21, UBL21	h	a	g1	g2	d'	d''	kg3	h	—
EF22, UF21	h	a	g2	g3	—	g1	k	h	—
UY1(N)	h1	Pin 6	a	—	h2	Pin 2	k	h2	—



Underside view of valve base or of valve holder.



24/6

COMPLETE
(Postage 7d).

M·O·S·

Mail Order Supply Co.,
24, NEW ROAD,
LONDON, E.1.

Telephone: Stepney Green 2760

THE BURGOYNE AERIAL CO-AXIAL CONNECTOR. A new Burgoyne development for efficient waterproof co-axial cable connections to aerials, for which we are appointed **SOLE DISTRIBUTORS** for the U.K.

This new aerial co-axial connector provides commercial and amateur users with a means of making efficient waterproof connections to aerials. It also serves as a centre insulator for a half wave doublet.

The connector is made of Aluminium with Steatite Insulation, and has two forged steel eyebolts equipped with soldering tags. A bottle of weatherproof cement, rubber tubing, and necessary assembly screws are provided.

The weight of the assembled connector is only 12 oz. Deliveries commence early in 1947.

Retailers and Wholesalers please apply for terms.

MORSE CODE TRAINING

The Candler System of Morse Code Training has been demonstrating its value for the past 34 years.

Each CANDLER SYSTEM Course (JUNIOR for *Beginners*—ADVANCED for *Operators*) is arranged in a series of 10 progressive lessons which are fascinating, instructive and practical. They teach you the most vital principles of telegraphing technique, the fundamentals of successful, efficient, accurate and speedy Receiving and Sending of the Morse Code.

RADIO AMATEURS AND W/T OPERATORS

are invited to send for the
CANDLER "BOOK OF FACTS"
It gives full details of all courses. Sent Free.

Courses supplied on Cash or Monthly payment terms.

THE CANDLER SYSTEM CO.

(Room 55.V.) 121 Kingsway, London, W.C.2.

Candler System Co., Denver, Colorado, U.S.A.

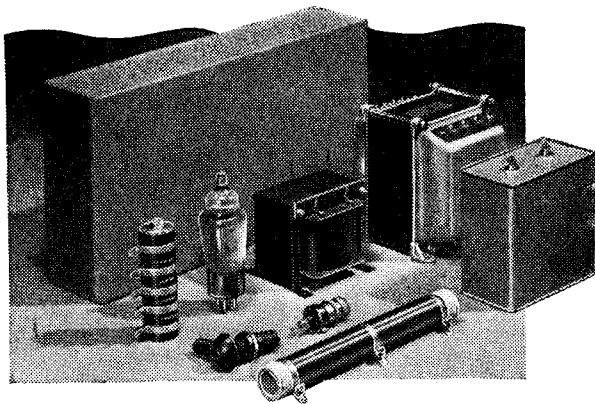
High Class Radio Equipment

SERVICE FOR THE AMATEUR

We hold large stocks of equipment for the Amateur and Short Wave Enthusiast, and can offer a rapid and efficient Mail Order Service.

Our Constructional Department will provide assistance in the design of your new apparatus, and, upon receipt of details, will provide a quotation for the construction of any item of equipment. We are stockists of equipment by Eddystone, Raymart, Denco, Q.C.C., Brookes Crystals, Hamrad, Standard Telephones and Cables Valves, Mullard, Vortexion, etc., and of course, offer the comprehensive range of Radiocraft Power Transformers, Chokes, and associated apparatus.

Write for list TR1 now available.



POWER EQUIPMENT. We can provide complete Power Packs, Transmitters, Audio Amplifiers and Modulators, Variable Frequency Oscillators, etc., to order.

Radiocraft Ltd

11 CHURCH ROAD · UPPER NORWOOD LONDON, S.E. 19 'Phone: LIVINGstone 478

NOTE—We have absolutely no connection with any other firm trading under the same or similar name as ourselves.

A.C.S. RADIO

—have for many years catered for the needs of the Short Wave Transmitter and Listener. Supplies have become increasingly difficult but we do our best to meet all enquiries. We have a large and varied stock of valves both British and American in modern types and also older series often wanted for replacement purposes.



We are agents for Eddystone, Raymart, Hamrad and Labgear Components, Pullin Meters, S.T.C. Transmitting Valves and can offer a good selection of Communication Receivers. Details of our lines will be found in our catalogue "V.B.," a copy of which will be sent free of charge on application.



44 WIDMORE RD BROMLEY, KENT
'Phone RAVensbourne 0156

ELECTRADIX OFFERS!



HEADPHONES. High resistance double headphones, light-weight, bakelite cap and case, best British make; double headband and long cord, 22/6. Single L.R. headphones for circuit testing and experimental work, light-weight as above, with double headband and cord, 8/6.

POLE STAY STRAINERS for aerial masts, transmitting and television, 1/6 each; postage 6d. extra.

INSULATORS. Swan-neck insulators for gutter fixing, 1/6 each.

MAGNETS. Permanent powerful flat bar, 2 3/8 in. x 1 in. x 1/4 in. drilled 2 holes each end for any pole pieces, 3/6 pair.

D.C. ELECTRO MAGNETS, 2 1/2 in. x 2 3/8 in. x 1 1/2 in. Lift 1 1/2 lb. on 2 volts, 3 lb. on 4 volts, 4 lb. on 6 volts, 7/6.

SWITCHES. Dewar panel switches, 8-pole C.O. flush fitting, 5/-. Yaxley 3-pole, 3-way, 3/6. 8-pole, 1-way, 3/6. 8-way Lucas switch boxes, 3/6. 6-way, 3/-. D.P. C.O. Toggle switches, panel type, 3/6.



TEST BUZZERS.

Double contact blades for distant signals or converting to vibrators, 8/6 ea. High note Townsend buzzers, the smallest made, for wave-meter and instrument testing, 10/- ea. Morse Practice buzzers, tunable note, in metal case, 7/6. Robust buzzers in bakelite case, 3/6.

MICROPHONES. The Lesdix No. 11A Hand Mike is again available; a carbon inset in bakelite case, the sensitive diaphragm protected by a perforated metal panel, 8/6. Metal clad inset only, 5/-. Pedestal mikes for desk or pulpit, 25/-; High ratio transformer, 4/6. Recording and announcers' hand-mikes, multi-carbon, metal clad, service type, by Tannoy and Truvox, with neat switch in handle, 21/-. Special high ratio transformers, 7/6 each. Mike Buttons, ex. G.P.O., sound transmitter units, 1 in. dia., 3/6 each. H. R. Transformer, 4/6.

SPARK COILS. Ex-G.P.O. Spark Coils, 3/4 in. to 1 in. spark from 6 to 12 volt accumulator for model control, etc., 25/-. Spark gap, 3/6 each. Ex-G.P.O. Spark Transmitter with coil, gap and condenser, in canvas covered mahogany case, with folding Morse Key, 65/-.

ELECTRADIX RADIOS, 214, QUEENSTOWN ROAD, LONDON, S.W.8.

MACaulay
2159