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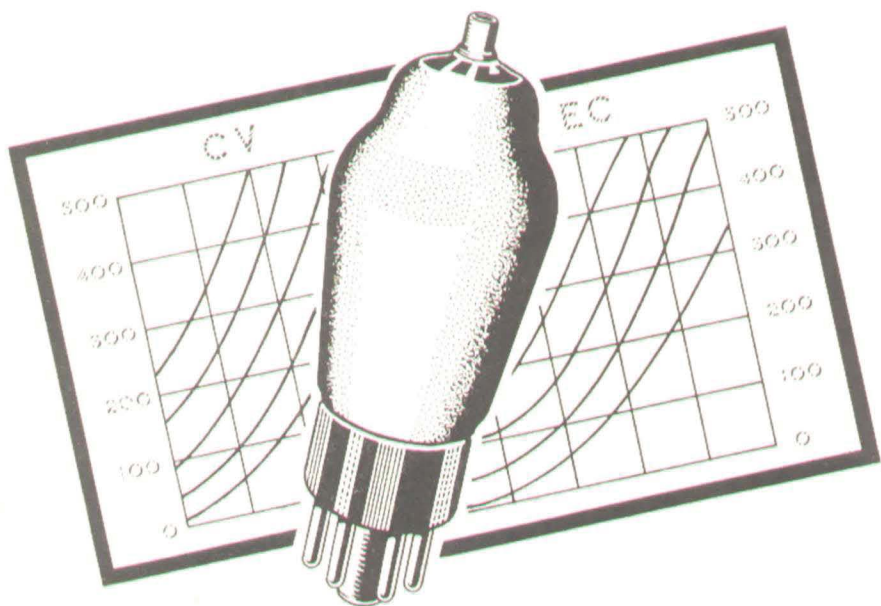
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# SERVICE VALVE EQUIVALENTS

CV—ARMY—NAVY—AIR FORCE TYPES



AN R.S.G.B. PUBLICATION

# SERVICE VALVE EQUIVALENTS

SECOND EDITION

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G6CL

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## FOREWORD

It is hoped that this booklet will meet the need for a source of information on the commercial equivalents and the manufacturers of the numerous CV coded valves, cathode ray tubes and semi-conductor devices now available to the radio amateur.

The opportunity has been taken to correct a few errors which appeared in the previous issues of the *Service Valve Equivalents* booklet and to add a large number of new types which have appeared since the previous edition was published. Additional information on the structure or function of each type has been added which it is believed will increase the usefulness of the booklet.

Certain of the older types of valves have been omitted from the present lists in order to allow for the inclusion of the many new types. The choice of which valves to omit was based on the assumption that they would be unlikely to be used by the average amateur at the present time.

Data on the majority of U.S. types listed will be found in the Valve Data Sections of the A.R.R.L. *Radio Amateur's Handbook* and therefore individual manufacturers of American types have not been quoted.

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—G. C. F.

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## Service Valve Equivalents

### VALVE, TUBE AND DEVICE MANUFACTURERS

AEI	Associated Electrical Industries Ltd., Radio & Electronic Components Division, Technical Service Dept., 155, Charing Cross Road, London, W.C.2.
AEI-BTH	AEI (Rugby) Ltd., Rugby.
Am.	American Manufacture. For information see Valve Section of ARRL Handbook, etc.
BEL	Brimar Ltd., Footscray, Sidcup, Kent.
Cin.	Cinema-Television Ltd., Worsley Bridge Road, Lower Sydenham, London, S.E.26.
Cos.	Cossor Valve Co. Ltd., Cossor House, Highbury Grove, London, N.5.
EEV.	English Electric Valve Co. Ltd., Waterhouse Lane, Chelmsford, Essex.
EMI	EMI Electronics Ltd., Valve Division, Ruislip, Middlesex.
Eric.	Tube Technical Services Dept., Ericsson Telephones Ltd., Beeston, Nottingham.
ETL.	Electronic Tubes Ltd., Kingsmead Works, High Wycombe, Bucks.
Fer.	Ferranti Ltd., Hollinwood, Lancs.
Hiv.	Hivac Ltd., Stonefield Way, Victoria Road, Ruislip, Middlesex.
MOV.	Marconi Osram Valve Co. Ltd., Brook Green, Hammersmith, London, W.6.
Mul.	Mullard Ltd., Mullard House, Torrington Place, London, W.C.1.

**Service Valve Equivalents**

Pye	Newmarket Transistor Co. Ltd., Exning Road, Newmarket, Suffolk.
STC	Valve Sales Dept., Standard Telephones & Cables Ltd., Footscray, Sidcup, Kent.
STC/R	Standard Telephones & Cables Ltd., Rectifier Division, Edinburgh Way, Harlow, Essex.
Tung.	British Tungsram Radio Works Ltd., West Road, Tottenham, N.17.
Tex.	Texas Instruments Ltd., Dallas Road, Bedford.

**VALVE, TUBE AND DEVICE CODING SYSTEM**

In order to assist in identifying a particular valve, tube or device, a coding system has been used which provides information on its structure or function. The coding system consists of a letter or a group of letters, e.g. c—triode, bbc—double diode triode, a—half wave rectifier, aa—full wave rectifier. Triodes, tetrodes and pentodes intended primarily for transmitting applications are coded in capital letters.

Details of the coding system are given below :—

<b>a</b>	Rectifier	<b>n</b>	Neon Wattmeter
<b>b</b>	Diode	<b>o</b>	Strobotron
<b>c</b>	Triode	<b>p</b>	Barretter
<b>d</b>	Tetrode	<b>q</b>	Cathode Ray Tube
<b>e</b>	Pentode	<b>r</b>	Thermal Delay Switch
<b>f</b>	Hexode	<b>s</b>	Velocity Modulated Valve
<b>g</b>	Heptode	<b>t</b>	Crystal Diode
<b>h</b>	Octode	<b>u</b>	Transistor
<b>i</b>	Thyratron	<b>v</b>	Photo-multiplier
<b>j</b>	Gas filled Stabilizer	<b>w</b>	Photo-cell
<b>k</b>	Cold Cathode Valve	<b>x</b>	Power Rectifier Diode
<b>l</b>	Tuning Indicator	<b>y</b>	Junction Diode
<b>m</b>	Neon Indicator	<b>z</b>	Zener Diode

Service Valve Equivalents

COMMERCIAL EQUIVALENTS TO CV VALVES, CATHODE RAY TUBES and SEMI-CONDUCTOR DEVICES

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
5	AH221 (EEV); GU21 (MOV); RG4-1250 (Mul.); ESU200 (AEI) ...	a	103	(AEI) ...	t
6	DET20 (MOV) ...	c	118	SP61 (AEI) ...	e
9	AL60 (Mul.) ...	e	124	5B/250A (STC); QVO5-25 (Mul.); 807 (Cos., Am.) ...	D
16	3A/146J (STC) ...	c	127	3B/401J (STC) ...	C
18	DET19 (MOV); 4074A (STC); RK34 (Am.); 2C34 (Am.) ...	CC	131	9D6 (BEL); EF92 (Mul.); W77 (MOV); V884 (AEI) ...	e
20	V1906 (AEI) ...	a	133	L77 (MOV); 6C4 (BEL, Am.); EC90 (Mul.); V741 (AEI) ...	c
24	HL41 (MOV) ...	c	136	EL91 (Mul.); 6AM5 (BEL); N77 (MOV); V887 (AEI) ...	e
25	ES85 (AEI); 4242A (STC); 242C (Am.); UE311 (Am.); 211 (Am.) ...	C	137	EAC91 (Mul.) ...	bc
26	813 (Am.; STC); QY2-100 (Mul.); C143 (EEV) ...	D	138	8D3, 6AM6 (BEL); EF91 (Mul.); Z77 (MOV); U20 (MOV); FW4-800 (Mul.) ...	e
31	ESU866 (AEI); RG3-250A (Mul.); 2V/400A (STC); 866A (Am.); 3B28 (Am., MOV); AH201 (EEV) ...	aa	139	See CV417 ...	e
32	SI30P (MOV; Cos.); GTR120A (Eric.) ...	a	140	6AL5 (BEL); EB91 (Mul.); D77 (MOV); 6D2 (AEI); DD6 (Cos.) ...	c
45	3B/501A (STC) ...	j	152	Similar to CV5 ...	bb
49	Y65 (MOV) ...	l	164	CG3E (AEI-BTH) ...	a
51	E1231 (MOV) ...	l	165	CS36A (AEI-BTH) ...	t
52	3A/146I (STC) ...	c	170	I2SF7GT (Am.) ...	t
53	E1323 (MOV) ...	c	171	W21 (MOV); 210VPT (Cos.) ...	be
63	Pen25 (AEI) ...	c	172	E1468 (MOV) ...	e
65	RL37 (Mul.); EC54 (Mul.) ...	e	173	EF55 (Mul.) ...	b
66	11E3 (AEI) ...	c	175	XSG1.5 (Hiv.) ...	e
73	3A/147J (STC) ...	d	176	XPI.5 (Hiv.) ...	d
82	4033A, 3B/102B (STC) ...	c	181	ECC31 (Mul.) ...	c
84	KRN2 (EMI) ...	c	185	PM202 (Mul.) ...	cc
87	3A/148J (STC) ...	s	187	U19 (MOV) ...	c
88	ET368 (MOV) ...	c	188	7475 (Mul.); QS92/10 (EEV); GD100A (Eric.) ...	a
90	(AEI) ...	c	190	DLS10 (AEI) ...	i
101	(AEI) ...	t	190	MZ2-200 (Mul.) ...	r
102	(AEI) ...	t	200		C

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
207	AC/P4 (AEI)	c	358	EF37A (Mul.); 5A/157D (BEL); OMSB (Cos.)	e
216	VR150-30 (STC, Am.); QSI150/40 (MOV, EEV); ISO33 (Mul.); OD3 (Am.)	j	366	6AG7 (Am.)	e
220	NSPI (Fer.)	s	367	IN21B (Am.); CS2A (AEI-BTH)	a
230	V230C/1D (STC)	e	371	SU45 (Cos.); 19G6 (AEI)	aa
234	V230A/1K (STC)	s	378	53KU (Cos.); GZ33 (Mul.)	aa
244	4046A (STC); MS Pen (Cos.)	e	380	EF54 (Mul.)	e
248	GS16 (Cin.)	w	384	DET5 (MOV)	C
253	CS3A (AEI-BTH)	t	385	DL71 (Mul.); CK502AX (Am.)	e
264	API188 (MOV)	n	386	DF70 (Mul.); CK505AX (Am.)	e
273	DET22 (MOV); TDO3-10 (Mul.)	c	387	DL72 (Mul.); CK506AX (Am.)	e
277	19G3 (AEI)	c	391	5B/252M (STC); 5B/255M (STC)	D
278	B65 (MOV)	cc	394	EM34 (Mul.)	i
281	X61M (MOV)	cc	395	OS150/45 (MOV, EEV)	i
283	6AL5, 5726 (BEL, Am.)	f	397	DET 24 (MOV); TDO4-20 (Mul.)	C
284	Q575/20 (MOV, EEV); 75B1 (Mul.)	bb	399	MH4 (MOV)	c
286	Q595/10 (MOV, EEV); 150A2 (Mul.); V987B (AEI); GTR150M/S (Eric.)	j	408	A1714 (MOV)	c
302	ECH22 (Mul.)	j	413	G150/2D (STC)	i
303	EF22 (Mul.)	cf	415	TT15 (MOV); 44A/160M (STC)	DD
304	EL22 (Mul.)	e	416	6F17 (AEI)	e
329	6F33 (AEI)	e	417	EC91 (Mul.); 6L34 (AEI)	c
332	27M1 (AEI); 931A (Am.)	e	419	DET18 (MOV)	c
337	SH342 (STC)	v	422	OS108/45 (MOV, EEV)	j
342	6F32 (AEI)	r	423	25SN7GT (Am., STC); 13D1 (BEL)	cc
343	E1323	e	424	QQV06-40 (Mul.)	DD
344	E1323	e	425	CG1C (AEI-BTH); GEX44, GEX45/1 (MOV); OA74 (Mul.)	DD
345	I2E1 (AEI)	c	426	EY51 (Mul.); R12 (BEL)	t
346	EZ22 (Mul.); 7Z4 (Am.)	d	428	5B/251M, 5B/254M (STC)	a
347	EBC21 (Mul.)	aa	431	85A1 (Mul.)	D
350	E1368 (MOV)	bbc	432	ME1400 (Mul.)	j
352	DET23 (MOV); TDO3-5 (Mul.)	c	433	B1C/1E (STC)	e
354	DET23 (MOV); TDO3-5 (Mul.)	C	434	OS75/60 (EEV)	P

Service Valve Equivalents

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
437	KT67 (MOV)	e	511	6V6GT (BEL, Am.)	d
442	GEX33; GEX35 (MOV); OA73 (Mul.)	t	512	6W7G (Am.)	e
443	DF70 (Mul.); CK505AX (Am.)	e	515	6Y6G (Am.)	e
444	MZ1-75 (Mul.)	C	517	OZ4A (Am.)	aa
448	GEX54; GEX55 (MOV); OA71 (Mul.)	t	524	TT12 (MOV)	D
449	85A2 (Mul.); QS83/3 (MOV); QS1209 (EEV)	i	525	12A6 (Am.)	e
450	EL38 (Mul.)	e	526	12A6GT (Am.)	e
452	6AT6 (BEL, Am.); DH77 (MOV); EB90 (Mul.)	bbc	527	DA60 (MOV)	C
453	6BE6 (BEL, Am.); X77 (MOV); EK90 (Mul.)	g	529	12AH7GT (Am.)	cc
454	6BA6 (BEL, Am.); EF93 (Mul.); W727 (MOV)	e	530	GT1E (MOV)	c
455	12AT7 (BEL, Am.); ECC81 (Mul.); B309 (MOV)	cc	531	12C8 (Am.); 12C8GT (BEL, Am.)	i
465	EF72 (Mul.)	e	534	12J5 (Am.)	bbe
466	EF73 (Mul.)	e	535	12J5GT (Am.)	c
467	EF70 (Mul.)	e	537	12SA7 (Am.)	c
468	EC70 (Mul.); 6K4 (Am.)	c	538	12SA7GT (Am.)	g
469	EA76 (Mul.)	b	540	12SC7 (Am.)	cc
471	EL70 (Mul.)	e	543	12SK7 (Am.)	e
473	EY70 (Mul.)	a	544	12SK7GT (Am.)	e
474	EN71 (Mul.)	i	546	12SQ7 (Am.)	bbc
475	EF71 (Mul.)	e	547	12SQ7GT (Am.)	bbc
476	EF74 (Mul.)	e	548	LP2 (MOV)	c
477	EF731 (Mul.)	e	549	25A6 (Am.)	e
484	354 (BEL, Am.)	e	550	25A6GT (Am.)	e
491	12AU7 (BEL, Am.); ECC82 (Mul.); B329 (MOV)	cc	551	25L6G (Am.)	e
492	12AX7 (BEL, Am.); ECC83 (Mul.); B339 (MOV)	cc	552	25L6 (Am.)	e
493	6X4 (BEL, Am.); U78 (MOV); EZ90 (Mul.)	aa	553	25L6GT (BEL, Am.)	e
499	5B7/253M (STC)	D	554	D63 (MOV)	bb
500	6T7G (Am.)	bbc	555	25Z5 (Am.)	aa
501	EBE32 (Mul.)	bbe	556	QP25 (AEI)	ee
504	6U5 (Am.); 6U5/6G5 (BEL)	i	557	D42 (MOV)	b
509	6V6G (BEL, Am.)	d	558	25Z6 (Am.)	aa
510	6V6 (Am.)	d	559	25Z6GT (Am.)	aa



CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
561	35L6 (Am.) ...	e	600	5CPI (Am.); DGI3-2 (Mul.)	q
562	35L6GT (BEL, Am.)	e	601	5BPI (Am.)	q
563	DA30 (MOV)	C	602	3API (Am.)	q
564	35Z3 (Am.)	a	603	10 (Am.)	c
565	35Z3GT (Am.)	a	604	30 (Am.)	c
567	35Z5 (Am.)	a	606	37 (Am.)	c
568	35Z5GT (Am.)	a	608	41 (Am.)	e
569	65L7GT (BEL, Am.); ECC35 (Mul.)	cc	609	42 (Am.)	e
571	50L6GT (BEL, Am.)	e	610	45 (Am.)	c
572	6X5G (BEL, Am.)	aa	611	56 (Am.)	c
573	6X5 (Am.)	aa	612	57 (Am.)	e
574	6X5GT (BEL, Am.); EZ35 (Mul.)	aa	613	58 (Am.)	e
575	5U4G (BEL, Am.); U52 (MOV)	aa	614	75 (Am.)	e
578	6A8G (BEL, Am.); X63 (MOV)	g	615	76 (Am.)	c
579	6A8 (Am.)	g	616	77 (Am.)	e
580	6A8GT (BEL, Am.)	g	617	80 (Am.)	aa
581	6C5G (Am.)	c	618	83 (Am., STC)	aa
582	6C5 (Am.)	c	619	84/6Z4 (Am.)	aa
583	6C5GT (Am.)	c	620	211 (Am.)	C
585	6C6 (BEL, Am.)	e	621	801 (Am.)	C
586	EL37 (Mul.)	bbc	622	802 (Am.)	E
587	6Q7G (BEL, Am.); DH63 (MOV)	bbc	623	803 (Am.)	E
588	6Q7 (Am.)	bbc	624	804 (Am.)	E
589	6Q7GT (BEL, Am.)	bbc	625	805 (Am.)	C
590	6S17G (Am.)	e	626	808 (Am.)	C
591	6S17, 6S17Y (Am.)	e	627	810 (Am.)	C
592	6S17GT (Am.)	e	628	811 (Am.)	C
593	GZ32 (Mul.)	aa	629	814, RK47 (Am.)	D
594	6SH7 (Am.)	e	630	826 (Am.)	C
595	6SH7GT (Am.)	e	631	828 (STC, Am.)	E
597	2X2, 2X2A, 879, 2B21 (Am.)	a	632	829, 829B (Am.)	EE
599	1B51 (Am.)	e	633	829A (Am.)	EE

Service Valve Equivalents

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
634	832 (Am.)	EE	670	HK645 (Am.)	C
636	836 (Am.)	a	683	316A (Am.)	C
637	837, RK44 (Am.)	E	685	VR150-30 (Am.)	i
638	838, HFI30, RK58 (Am.)	E	686	OC3 (Am. STC); VRI05-30 (Am., STC); QS1206 (EEV)	i
639	843 (Am.)	C	687	446B, 2C40 (Am.)	C
640	860 (Am.)	D	688	464A, 2C43 (Am.)	E
642	872, 872A (Am.); 4064B (STC); AH217 (EEV); ESU872 (AEI)		690	RK48A (Am.)	aa
643	874 (Am.)	a	692	OZ4 (Am.)	e
647	884, 6Q5G (Am.)	i	694	I2SG7 (Am.)	e
648	885, 2B4 (Am.)	i	697	I2SJ7 (Am.)	e
649	956 (Am.)	e	698	I2SJ7GT (Am.)	e
650	958 (Am.)	c	700	I2SR7 (Am.)	bbc
651	991, NE16, NE18 (Am.)	m	702	830B (Am.)	C
652	1603 (Am.)	e	703	I2K8 (Am.)	cf
653	1611 (Am.)	e	704	RK20A (Am.)	E
654	1612 (Am.)	e	705	ID5GP (Am.)	e
655	1613 (Am.)	g	706	6U7G (Am.)	e
656	1616 (Am.)	e	707	HK54, 4C25 (Am.)	C
657	1620 (Am.)	e	709	72, RK72 (Am.)	a
658	1622 (Am.)	d	710	368 (Am.)A	c
659	1625 (Am.)	d	711	32 (Am.)	d
660	6AC7, 1852 (Am.)	e	712	38 (Am.)	e
661	1853, 6AB7 (Am.)	e	715	6F5GT (Am.)	c
662	8012, 8012A (Am.)	C	717	5R4GY (Am., BEL)	aa
663	802S (Am.)	C	718	5FP7 (Am.)	q
664	9002 (Am.)	c	720	723A (Am.)	s
665	9003 (Am.)	e	723	1619 (Am.)	e
666	9004 (Am.)	e	724	816 (Am.)	a
667	9005 (Am.)	b	726	35Z3LT (Am.)	a
668	35T (Am.); DET18 (MOV)	C	727	IN21, IN21B (Am.)	t
669	279A (Am.); 4279A (STC)	C	728	IP5GT (Am.)	e

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
729	5V4G (Am., BEL, Fer.)	aa	777	ILC5 (Am.)	e
730	6A3 (Am.)	c	778	ILC6 (Am.)	g
731	6F6GT (Am.)	e	779	ILD5 (Am.)	be
735	845 (Am.)	C	780	ILH4 (Am.)	bc
736	905 (Am.)	q	781	ILN5 (Am.)	e
737	906 (Am.)	b	782	IR5 (Am., BEL); DK91 (Mul.); ICI (AEI); X17 (MOV)	g
738	953 (Am.)	m	783	IS4 (Am., BEL); DL91 (Mul.)	e
743	GETZ (MOV)	m	784	IS5 (Am., BEL); IFD9 (AEI); ZD17 (MOV); DAF91 (Mul.)	be
744	GET4½ (MOV)	C	785	IT4 (Am., BEL); IF3 (AEI); W17 (MOV); DF91 (Mul.)	e
745	HK24 (Am.)	e	787	2A7 (Am.)	g
747	6AC7/6AJ7 (Am.)	t	788	832A (Am.); QQV04-15 (Mul.); C180 (EEV) ...	EE
749	IN23A (Am.)	C	789	3C24, HK24G (Am.); B1109 (EEV) ...	C
751	HY75 (Am.)	b	792	2C22, 7193 (Am.)	C
753	IA3 (Am.); DA90 (Mul.)	e	797	2D21 (Am., STC); EN91 (Mul.); E1955 (MOV); 20A3 (AEI) ...	i
755	IA5G (Am., BEL)	e	802	2C26 (Am.)	C
756	IA5GT (Am., BEL)	bbc	807	DL93 (Mul.); 3A4 (Am.); E1485 (MOV)	e
759	IB5/25S (Am.)	g	808	3A5 (Am.); DCC90 (Mul.)	cc
760	IB7GT (Am.)	g	809	3A/105B (STC)	c
764	ID5 (BEL); 40SUA (Cos.); U4020 (MOV); V20 (Tung.)	a	812	3B24, 732A (Am.)	a
765	ID7G (Am.)	g	813	959 (Am.)	e
766	IE5GP (Am.)	e	814	3BP1 (Am.)	e
767	IF4 (Am.)	e	815	3D6/1299 (Am.); 3D6 (BEL)	q
768	IF5G (Am.)	e	816	3DP1 (Am.)	d
769	IF6 (Am.)	bbe	818	3Q4 (Am., BEL); DL95 (Mul.); N18 (MOV)	q
770	IF7GV (Am.)	bbe	819	3Q5GT (Am., BEL); DL33 (Mul.); N16 (MOV)	e
771	IG5G (Am.)	e	820	3S4 (Am., BEL); DL92 (Mul.); N17 (MOV); IPI0 (AEI)	e
772	IG6G (Am.)	cc	824	4E27, HK257B (Am.)	E
773	IG6GT (Am.)	cc			
774	IH4G (Am.)	c			
775	ILA6 (Am.)	g			
776	ILB4 (Am.)	e			

Service Valve Equivalents

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
841	5U4GT (Am.)	aa	892	7E7 (Am.)	bbe
842	5W4G (Am.)	aa	893	7F7 (Am.)	cc
843	6AB5/6N5 (Am.)	l	894	7G7 (Am.)	e
844	6AC5G (Am.)	c	895	7H7 (Am., BEL)	bbc
845	6AC5GT (Am.)	e	896	7K7 (Am.)	cc
846	6AC7 (Am.)	e	897	7J7 (Am.)	cc
847	6AF6G (Am.)	l	898	7N7 (Am.)	g
848	6AG5 (Am.)	e	899	7Q7 (Am.)	bbe
849	6AJ7/6AC7 (Am.)	e	900	7R7 (Am., BEL)	aa
850	6AK5 (Am., BEL); EF95 (Mul.)	e	901	7Y4 (Am., BEL)	e
851	6B4G (Am., BEL)	c	902	7W7 (Am.)	ae
852	6C4 (Am., BEL)	c	908	12A5 (Am.)	e
854	6C7 (Am.)	bbc	909	12A7 (Am.)	ae
856	6G8G (Am.)	bbe	910	12A8GT (Am.)	g
858	6J6 (Am., BEL); ECC91 (Mul.)	cc	911	12B8GT (Am.)	ce
859	6J8G (Am.)	cg	916	12H6 (Am.)	bb
860	6K5G (Am.)	c	917	12J7GT (Am., BEL)	e
862	6L5G (Am.)	c	918	12K7GT (Am., BEL)	e
864	6P7G (Am.)	ce	919	12SF5 (Am.)	c
865	6SD7GT (Am.)	e	920	12SF5GT (Am.)	c
866	6SJ7Y (Am.)	e	921	12SF7 (Am.)	be
867	6SR7 (Am.)	bbc	922	12SH7 (Am.)	e
875	2C21, RK33, 1642 (Am.)	cc	923	12SJ7GT (Am.)	e
876	7A6 (Am.)	bb	924	12SL7GT (Am., BEL)	cc
877	7A7 (Am.)	e	925	12SN7GT (Am.)	cc
878	7A8 (Am.)	h	932	GL446A (Am.)	c
879	7B4 (Am.)	c	933	15E (Am.)	c
880	7B5 (Am.)	e	936	24 (Am.)	d
885	7C5 (Am., BEL)	e	941	HK24, 25T, 3C34 (Am.)	C
887	7C6 (Am., BEL); DH149 (MOV)	bbc	1000	4D1 (STC)	c
889	7D8 (BEL); Pen1340 (Mul.)	e	1018	2155G (Cos.); Z21 (MOV)	d
891	7E6 (Am.)	bbc	1019	PM2 (Mul.)	c

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1020	220P (Cos.)	c	1073	H63 (MOV); 6F5G (MOV)	c
1021	210LF (Mul.)	c	1074	KTZ63 (MOV)	e
1022	220PA (Cos.)	c	1075	KT166 (MOV)	d
1025	DET25 (MOV)	C	1076	DA41 (MOV); TZ40 (Am.)	C
1032	220B (Cos.)	cc	1077	EM31 (Mul.)	l
1034	DET 3 (MOV)	C	1078	DI (AEI)	b
1035	QP21 (AEI)	ee	1079	KT8 (MOV)	D
1037	MH4 (MOV)	c	1080	4307A (STC)	E
1039	MU14 (MOV); IW4 (Mul.); R3 (BEL)	aa	1081	4052A (STC)	E
1040	PX25 (MOV); DO24 (Mul.)	c	1082	220TH (Cos.); X24 (MOV)	e
1044	HL21DD (AEI); 210DDT (Cos.)	bbc	1083	VP21 (AEI); 210VPT (Cos.)	cg
1046	PT25H (MOV)	E	1088	832 (Am.)	e
1047	TZ05-20 (Mul.); 3B/200B (STC)	C	1091	EF50 (Mul.)	EE
1052	EL32 (Mul.)	e	1092	EA50 (Mul.); D61 (MOV)	e
1053	EF39 (Mul.); OM6 (Cos.)	e	1095	ZA2 (MOV); 954 (Am.)	b
1054	EB34 (Mul.); OM3 (Cos.)	bb	1096	5B/502A (STC)	e
1055	EBC33 (Mul.); OM4 (Cos.)	bbc	1099	X66 (MOV)	F
1056	EF36 (Mul.); OM5	e	1100	KTW62 (MOV)	cf
1057	EK32 (Mul.)	e	1101	MHLD6 (MOV)	d
1059	955 (Am.); HA2 (MOV)	h	1102	BL63 (MOV)	bbc
1060	807 (Am.); 5B/250A (STC)	c	1104	Y63 (MOV)	bb
1061	RK34 (Am.); DET19 (MOV); 4074A (STC)	D	1103	PT15 (MOV)	l
1062	DET12 (MOV); TY1-50 (Mul.); 834 (Am.)	CC	1104	PT15 (MOV)	E
1064	DW4-500 (Mul.); UI2/14 (MOV)	C	1105	ML6 (MOV)	c
1065	SP61 (AEI)	aa	1106	9D2 (BEL)	e
1066	P61 (AEI)	e	1107	15D2 (BEL)	g
1067	L63 (MOV); 615G (Am., BEL)	c	1108	8D2 (BEL)	e
1068	STV280/40 (MOV)	c	1109	4D1 (BEL); HL1320 (Mul.)	c
1069	STV280/80 (MOV)	j	1110	S130 (Cos.)	j
1070	7475 (Mul.)	j	1111	UJ7 (MOV); R11 (BEL); V1907 (AEI)	a
1071	U52 (MOV)	aa	1113	UJ7 (MOV)	e
1072	GU50 (MOV); RG1/240A (Mul.)	a	1116	6F32 (AEI)	e
			1118	KT2 (MOV)	e

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1121	T41 (AEI)	i	1195	KTW63 (MOV)	d
1122	4IMXP (Cos.)	e	1197	EC53 (Mul.)	c
1123	EF8 (Mul.)	e	1200	202 (MOV)	p
1127	Pen 46 (Mul.)	e	1202	304 (MOV)	p
1128	GTIC (MOV)	i	1206	BS60 (AEI); DA60 (MOV); DO60 (Mul.)	c
1130	HL23 (AEI)	c	1219	BS100 (AEI); DA100 (MOV); MZI-100 (Mul.)	c
1133	V960 (AEI); SU41 (Cos.)	a	1220	4033A (STC)	c
1134	HVR2 (Mul.)	a	1221	PT6 (MOV); PZI-75 (Mul.); SW75 Pen (AEI)	e
1135	DET20 (MOV)	c	1222	ACT6 (MOV)	c
1136	EF54 (Mul.)	e	1223	DETS (MOV)	e
1137	EC52 (Mul.)	c	1240	PZI-35 (Mul.)	e
1151	PM3 (Mul.)	c	1246	P2 (MOV)	c
1162	LP2 (Mul.)	c	1261	RX3-120 (Mul.)	c
1168	PX4 (MOV)	c	1262	GUI (MOV); RGI-250 (Mul.)	a
1169	VMP4G (MOV)	e	1263	RGI-125 (Mul.)	a
1170	D41 (MOV)	bb	1264	FW4-500 (Mul.); U18/20 (MOV); 45 IU (Cos.)	aa
1171	HAI (MOV)	c	1265	U15 (MOV); RZI-250 (Mul.)	a
1175	ZAI (MOV)	e	1266	High Voltage Version of U15 (MOV)	a
1176	See CV1175	e	1267	405UA (Cos.); ID5 (BEL); U4020 (AEI)	a
1178	DA30 (MOV); DO30 (Mul.)	c	1288	U50 (MOV); 5Y3G (Am.)	aa
1179	ML4 (MOV); AC/P (AEI)	c	1279	MU2 (AEI)	a
1180	V312 (AEI); 244V (Mul.)	c	1280	X64 (MOV)	g
1181	KT41 (MOV); 7A3, 4066A (STC); Pen A4 (Mul.)	e	1282	AC/52 Pen (AEI)	e
1182	MHD4 (MOV); H42 (AEI)	e	1285	ECC31 (Mul.); 6N7G (Am.)	cc
1183	W42 (MOV)	e	1286	EL35 (Mul.); 6L6G (Am., BEL)	d
1186	KT63 (MOV); 6F6G (Am., BEL)	e	1287	KT32 (MOV); 25L6G (Am., BEL)	d
1187	D41 (MOV)	bb	1288	DET12 (MOV); TY1-50 (Mul.); 4304CB (STC)	c
1188	N43 (MOV)	e	1290	SU2150A (Cos.)	a
1191	KTZ41 (MOV)	d	1291	See CV 1290	a
1192	Z62 (MOV)	e	1300	10D1 (STC); 2D13C (Mul.)	bb
1193	X65 (MOV)	cf	1301	D63 (MOV); 6H6G (Am., BEL)	bb
1194	X41 (MOV); 20A1 (BEL)	c	1302	D42 (MOV)	b

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1303	HL210 (AEI); PM1HF (Mul.)	c	1364	807 (Am., STC); 5B/250A (STC)	D
1304	LP2 (MOV)	c	1365	4282 (STC)	D
1306	HL23DD (AEI)	bb	1366	V248A (AEI)	E
1307	210LF (Mul.); L21 (MOV); L2 (AEI)	cc	1369	4061A (STC)	E
1308	HD24 (MOV); TDD2A (Mul.); L21DD (AEI)	bb	1371	PT6 (MOV); PZ1/75 (Mul.)	E
1309	4019B (STC)	cc	1372	4069A (STC)	E
1310	4020 (STC)	c	1374	807 (Am.)	D
1311	4022AR (STC)	c	1375	EF85 (Mul.)	e
1312	220R (Cos.)	c	1376	EF80 (Mul.)	e
1313	220LF (Cos.)	c	1377	GZ34 (Mul.)	e
1314	DLS10 (AEI)	r	1385	E4504/B/16 (MOV)	aa
1316	4021B (STC)	c	1400	C1C (Mul.)	q
1317	S625 (MOV)	d	1402	CY31 (Mul.)	p
1318	VS24 (MOV)	d	1403	DD41 (AEI)	a
1321	9D2 (BEL); 12VPA (Cos.)	d	1404	EE36 (Mul.)	bb
1331	VP23 (AEI)	e	1405	E1199 (MOV)	e
1335	SP41 (AEI)	e	1407	Pen 45 (Mul.)	b
1336	SP42 (AEI)	e	1408	P41 (AEI)	e
1340	KT44 (MOV)	e	1410	TH2 (Mul.)	c
1342	QP25 (AEI)	ee	1411	TH41 (AEI)	cf
1343	KTZ73 (MOV)	e	1412	TV4 (Mul.)	cg
1344	TP22 (AEI)	ce	1413	UU6 (AEI)	l
1345	TP25 (AEI)	ce	1414	VP41 (AEI)	aa
1347	ECH35 (Mul.)	cf	1415	4011A (STC)	e
1352	EM80 (Mul.)	l	1418	10D1 (BEL)	C
1353	OA81 (Mul.)	l	1419	11D3 (BEL)	bbc
1354	OA85 (Mul.)	t	1424	20A1 (BEL)	cf
1355	ESU300 (AEI); 4049C (STC)	a	1425	7D5 (BEL)	e
1356	U22 (AEI)	a	1426	EK2 (Mul.)	e
1359	ME41 (AEI)	l	1427	EP9 (Mul.)	e
1361	MZ05-20 (Mul.)	C	1428	EBC3 (Mul.)	bbc
1363	DET16 (MOV)	C	1429	EL2 (Mul.)	e

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1430	AC/SP3RH (AEI)	e	1535	EZ80 (Mul.)	aa
1433	EC31 (Mul.)	c	1539	D15 (BEL)	p
1434	EM4 (Mul.)	l	1540	33B/152M (STC)	CC
1435	GU20 (MOV)	a	1569	R3 (BEL)	aa
1437	KT44 (MOV)	e	1570	EK32 (Mul.)	h
1438	KT61 (MOV)	d	1572	807 (Am.)	D
1443	U10 (MOV)	aa	1574	4074B (STC)	CC
1444	42SPT (Cos.)	e	1574	SP41 (AEI)	e
1446	4017B (STC)	a	1575	U52 (MOV); 5U4G (Am., BEL)	aa
1449	4064B (STC)	a	1576	KT44 (MOV)	e
1451	4274A (STC)	aa	1577	KT44 (MOV)	d
1452	4300A (STC)	C	1578	EF50 (Mul.)	d
1454	225DU (Cos.)	aa	1579	934 (Am.); ZA2 (MOV)	d
1456	Pen 383 (AEI)	e	1582	SI30 (Cos.)	i
1457	VPI33 (AEI)	e	1586	HL23 (AEI)	j
1458	41MP (Cos.)	c	1587	ECR35 (Mul.); E4412/B/9 (MOV)	c
1459	MU2 (AEI)	a	1588	ECR30 (Mul.); E4205/B/7 (MOV)	q
1460	X41 (MOV)	a	1623	RG1-125 (Mul.)	q
1461	U22 (MOV)	g	1626	RG1-240 (Mul.)	a
1462	A915 (MOV)	a	1632	IN82 (Am.)	a
1463	CBL31 (Mul.)	e	1633	3V4 (Am., BEL)	t
1464	EF39 (Mul.)	e	1634	XB2 (Hiv.)	e
1466	P57 (Mul.)	bbe	1635	5A/163K (STC)	p
1468	SP4 (Mul.)	e	1741	EL34 (Mul.)	e
1469	Z22 (MOV)	e	1745	62B7 (Cos.)	e
1471	4049A (STC)	a	1751	34 (Am.)	e
1501	EL192, TT11 (MOV)	D	1752	35/51 (Am.)	e
1502	KT32 (MOV)	d	1753	35A5 (Am.)	e
1503	KT33C (MOV)	d	1754	35TG (Am.)	C
1505	MH41 (MOV)	c	1755	1626 (Am.)	e
1508	V1913 (AEI); U19 (MOV)	a	1756	1629 (Am.)	i
1510	QVO4-7 (Mul.)	D	1757	9001 (Am.)	e



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1758	1L4 (Am.); DF92 (Mul.); 1F2 (AEI)	...	1820	IH5GT (Am.); DAC 32 (Mul.)	bc
1759	2C26A (Am., BEL)	...	1821	IN5G (Am.)	e
1762	6AK6 (Am., BEL)	...	1823	IN5GT (Am.); DF33 (Mul.)	e
1763	6J4 (Am.)	...	1824	IQ5G (Am.)	d
1769	2A6 (Am.)	...	1825	KT45 (MOV)	d
1770	7A4 (Am.)	...	1826	IQ5GT (Am.)	d
1771	39/44 (Am.)	...	1831	2A3 (Am., BEL)	c
1772	47 (Am.)	...	1832	OAZ (Am., STC); 150C2 (Mul.); QSI207 (EEV); GDI50M (Erics.)	...
1773	82 (Am.)	...	1833	OB2 (Am., STC); 108C1 (Mul.); QSI208 (EEV)	i
1775	36 (Am.)	...	1834	2A5 (Am.)	i
1776	6D7 (Am.)	...	1837	2B7 (Am.)	e
1777	6C7 (Am.)	...	1838	QOZO4-15 (Mul.)	bbe
1784	6AK7 (Am.); 6AH7 (Am.)	...	1839	6F13 (AEI)	DD
1785	IN26 (Am.)	...	1843	2T2 (Am.)	e
1790	7Z4 (Am.)	...	1844	CS3B (AEI)	a
1794	959 (Am.)	...	1846	5T4 (Am.)	t
1795	723A/B (Am., Mul.)	...	1848	20A2 (AEI)	aa
1796	DW4/350 (Mul.); R4 (BEL); U12/14 (MOV); UUI20/350 (AEI)	...	1849	5W4 (Am.)	i
1798	2051 (Am.)	...	1850	6L19 (AEI)	aa
1800	1A7G (Am.)	...	1851	5X4G (Am.)	cc
1802	1A7GT (Am., BEL); DK32 (Mul.)	...	1852	5X4 (Am.)	aa
1803	IC5G (Am.); N14 (MOV); DL35 (Mul.)	...	1854	6P25 (AEI)	aa
1804	EAC91 (Mul.)	...	1855	5Y3G (Am.)	d
1805	ICGT (Am., BEL); DL35 (Mul.)	...	1855	UU9 (AEI)	aa
1806	ID5GT (Am.)	...	1856	5Y3GT (Am., BEL)	aa
1811	ID8GT (Am.)	...	1857	5Y4G (Am.)	aa
1812	IE7GT (Am.)	...	1861	5Z3 (Am.)	aa
1816	6T3G (Am.)	...	1862	6AQ5 (Am., BEL); EL90 (Mul.)	d
1817	IG4GT/G (Am.)	...	1863	5Z4G (Am., BEL); 52KU (Cos.)	aa
1818	IH5G (Am., BEL)	...	1864	5Z4 (Am.)	aa
1819	6P5GT (Am.)	...	1865	EC81 (Mul.)	c

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1867	6A6 (Am.)	cc	1921	U24 (AEI)	a
1870	6A7 (Am.)	g	1924	TY2-125 (Mul.)	C
1873	6AB7/1853 (Am.); 6AB7 (Am.)	e	1926	6G6G (Am.)	e
1876	1852 (Am.)	e	1928	12BA6 (Am., BEL); HF93 (Mul.)	bb
1878	6AD7G (Am.)	ce	1929	6H6G (Am., BEL); D63 (MOV)	bb
1882	6AG7 (Am.)	e	1930	6H6 (Am.)	bb
1884	33A/158M (STC)	CC	1931	6H6GT (Am., BEL)	c
1885	6B5 (Am.)	cc	1932	6J5G (Am., BEL); L63 (MOV)	c
1886	EC80 (Mul.)	c	1933	6J5 (Am.)	c
1887	6B6G (Am.)	cc	1934	6J5GT (Am., BEL)	e
1890	6B7G (Am.)	bbe	1935	6J7G (Am., BEL)	e
1891	6B7 (Am.)	bbe	1936	6J7 (Am.)	e
1893	6B8G (Am., BEL)	bbe	1937	6J7GT (Am., BEL)	e
1894	6B8 (Am.)	bbe	1938	6K6G (Am., BEL)	e
1895	STV70/60 (EEV., MOV)	j	1940	6K6GT (Am.)	e
1896	6C8G (Am.)	cc	1941	6K7G (Am., BEL); KTW63 (MOV)	e
1899	6L18 (AEI)	c	1942	6K7 (Am.)	e
1900	6D6 (Am.)	e	1943	6K7GT (Am., BEL)	e
1901	6F11 (AEI)	e	1944	6K8G (Am., BEL)	cf
1902	6D8G (Am.)	d	1945	6K8 (Am.)	cf
1905	4-65A (Am.); QY3-65 (Mul.)	D	1946	6K8GT (Am., BEL)	d
1906	6E5 (Am.)	I	1947	6L6G (Am., BEL); EL37 (Mul.)	d
1907	CS2C (AEI-BTH)	t	1948	6L6 (Am.)	I
1908	6F5G (Am.)	c	1949	6D4 (Am.); EM93 (Mul.)	g
1909	6F5 (Am.)	c	1950	6L7G (Am.)	g
1910	6F5GT (Am.)	c	1951	6L7 (Am.)	g
1911	6F6G (Am., BEL); KT63 (MOV)	e	1953	6N6G (Am.)	cc
1912	6F6 (Am.)	e	1954	6N6 (Am.)	cc
1915	6F7 (Am.)	ce	1956	6N7G (Am.)	cc
1917	6F8G (Am.)	cc	1957	6N7 (Am.)	cc
1919	6F14 (AEI)	e	1958	6N7GT (Am., BEL)	cc
1920	6LD20 (AEI)	bbc	1959	50C5 (Am., BEL); HL92 (Mul.)	e

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1960	6R6G (Am.)	e	2105	DL70 (Mul.)	e
1961	12AU6 (Am., BEL)	e	2106	DL66 (Mul.)	e
1962	6R7G (Am., BEL); DL63 (MOV)	bbc	2107	DF66 (Mul.)	e
1963	6R7 (Am.)	bbc	2127	6CH6 (BEL); EL821 (Mul.)	e
1964	6R7GT (Am.)	bbc	2128	ECH81 (Mul.); 6A18 (Am.)	cg
1966	6SA7 (Am.)	g	2129	5763 (Am., BEL); QVO3-12 (Mul.)	d
1967	6SA7GT/G (Am.)	g	2130	QY3-125 (Mul.); C1108 (EEV)	D
1969	6SC7 (Am.)	cc	2135	8D5, 6BR7 (BEL)	D
1970	6SC7GT (Am., BEL)	cc	2136	6BW6 (BEL)	d
1972	6SF5 (Am.)	c	2172	DC80 (Mul.)	d
1973	6SF5GT (Am.)	c	2175	DG7-5 (Mul.)	c
1974	6S7G (Am.)	e	2191	DG13-2 (Mul.)	d
1975	6S7 (Am.)	e	2204	TDO3-10F (Mul.) also MOV	C
1977	UL41 (Mul.)	e	2217	6K25 (AEI)	I
1978	6SG7 (Am.)	e	2218	R17 (BEL)	a
1979	61BT (Cos.)	d	2235	R18 (BEL); EY84 (Mul.)	a
1980	185BT (Cos.)	d	2236	Z800J (Mul.)	k
1981	6SK7 (Am.)	e	2237	IAD4 (Am.); DF62 (Mul.); XFRI (Hiv.)	e
1982	6SK7GT (Am.)	e	2238	DL620 (Mul.); XFY14 (Hiv.)	e
1985	6SL7GT (Am., BEL)	cc	2239	XFR3 (Hiv.)	c
1988	6SN7GT (Am., BEL); B65 (MOV)	cc	2240	DL68 (Mul.)	d
1989	SD6 (Cos.)	b	2259	DL98 (Mul.)	e
1990	6SQ7 (Am.)	bbc	2260	DF64 (Mul.)	e
1991	6SQ7GT (Am.)	bbc	2269	ME1401 (Mul.)	C
1993	6S7 (Am.)	e	2275	DC70 (Mul.)	C
1995	6ST7G (Am.)	bbc	2276	Z319 (MOV)	e
1996	6S77 (Am.)	bbc	2288	DL66 (Mul.)	e
1999	1V (Am.)	a	2289	U37 (MOV)	e
2101	DF72 (Mul.)	e	2299	DL73 (Mul.)	a
2102	DL75 (Mul.)	e	2302	ICPI (ETL)	d
2103	DF73 (Mul.)	e	2310	GEX64 (MOV)	t
2104	DAF70 (Mul.)	be	2331	DL64 (Mul.)	e

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2347	5B/258M (STC)	D	2523	6A57G (Am.); E1834 (MOV)	cc
2361	DL69 (Mul.)	e	2524	6AU6 (Am.; BEL); EF94 (Mul.)	e
2370	DL92 (Mul.)	e	2526	6AV6 (Am.; BEL); EBC91 (Mul.)	bbc
2371	DF61 (Mul.)	e	2527	6BA7 (Am.)	g
2389	CXT11 (Mul.; MOV)	u	2529	451U (Cos.)	aa
2390	3A4 (Am.); DL93 (Mul.)	e	2530	4525GT (Am.)	a
2394	DA42 (MOV)	C	2531	46 (Am.)	d
2400	CXT2 (MOV; Mul.)	u	2532	49 (Am.)	d
2465	5B/254G (STC)	D	2533	50 (Am.)	c
2466	OOVO2-6 (Mul.); 11E13 (AEI)	DD	2534	50L6G (Am.; BEL)	d
2487	4X250B (STC; Am.)	D	2535	53 (Am.)	cc
2492	E88CC (Mul.)	cc	2536	53A (Am.)	cc
2493	E88CC/01 (Mul.)	cc	2537	55 (Am.)	bbc
2500	35Z4GT (Am.; BEL)	a	2538	59 (Am.)	e
2501	40 (Am.)	c	2544	78 (Am.)	e
2502	41FP (Cos.)	c	2545	79 (Am.)	cc
2503	41MH (Cos.)	c	2546	81 (Am.)	e
2504	41 MHL (Cos.)	c	2547	83V (Am.)	a
2505	41MPG (Cos.)	g	2548	84 (Am.)	aa
2506	41 MPT (Cos.)	e	2549	85 (Am.)	bbc
2507	IU4 (Am.)	e	2550	100T (Am.)	C
2508	41 STH (Cos.)	cf	2551	100TH (Am.)	C
2509	41FP (Cos.)	c	2552	100TH (Am.)	C
2511	420T (Cos.)	e	2556	117LGT (Am.)	bd
2512	420TDD (Cos.)	bbe	2557	117N7GT (Am.)	bd
2513	42PAY (Cos.)	e	2558	117Z6GT/G (Am.)	aa
2514	43 (Am.)	e	2565	2050 (Am.)	i
2516	2C39A (Am.; STC); TDI-100 (Mul.)	C	2573	5651 (Am.; Mul.; EEV)	j
2517	2E30 (Am.)	D	2574	210VPA (Cos.)	e
2519	4X150A (Am.; MOV.; STC); QV1-150A (Mul.)	D	2576	211 (Am.)	C
2521	6AH6 (Am.)	e	2589	250TH (Am.)	C
2522	6AS6 (Am.; Mul.)	e	2591	RK38 (Am.)	C

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2611	304TH (Am.)	C	2832	AC/VP2 (AEI)	e
2643	2C40 (Am.)	C	2835	5R4WGY (Am.)	aa
2650	1N66 (Am.)	t	2842	6C4WA (Am.)	c
2663	815 (Am.)	DD	2843	6J6W (Am.)	cc
2666	829B (Am.)	DD	2844	6X4W (Am.)	aa
2679	866JR (Am.)	a	2853	RZ1-250 (Mul.)	a
2691	913 (Am.)	q	2854	6AN5 (Am.)	d
2700	957 (Am.)	c	2856	1N23B (Am.)	t
2701	958A (Am.)	c	2862	AZ31 (Mul.)	aa
2721	EL81 (Mul.)	e	2864	B21 (MOV)	cc
2726	EL83 (Mul.)	e	2865	B30 (MOV)	cc
2729	E80F (Mul.)	e	2866	2C51W (Am.)	cc
2738	RG1-240 (Mul.)	a	2876	2D21W (Am.)	i
2747	6U5G (Am., BEL)	l	2877	6AK5W (Am.)	e
2748	5Z4GT (Am.)	aa	2882	6AL5W (Am.)	bb
2759	4304 (STC)	C	2883	6AQ5W (Am.)	d
2762	4316A (STC)	C	2884	6AS6W (Am.)	d
2769	9006 (Am.)	b	2888	EL31 (Mul.)	e
2792	2K25 (Am.)	s	2891	DES (MOV)	e
2796	6L6WGB (Am.)	d	2892	DES5B (MOV)	C
2797	5894A (Am.); QQVO6-40A (Mul.); 5894/C178A (EEV)	d	2895	DETSW (MOV)	C
2798	QQVO3-10 (Mul.)	DD	2898	DETSW (MOV)	C
2799	QQVO3-20A (Mul.); C1134 (EEV); TT20 (MOV)	DD	2899	DET8 (MOV)	C
2817	6L6GA (Am., BEL)	DD	2900	DET9 (MOV)	C
2820	AC/SP1 (AEI)	d	2901	DET10 (MOV)	C
2821	ECC31 (Mul.)	e	2901	EF86 (Mul.)	e
2823	AC/SP3 (AEI)	cc	2903	6703 (Am.)	j
2825	ACT6 (MOV)	e	2912	DL63 (Mul.)	bbc
2829	IN34 (Am.)	C	2913	DLS1 (AEI)	r
2830	AC/TH1 (AEI)	t	2920	EI148 (MOV)	c
2831	2C51 (Am.)	cg	2923	IN69 (Am.)	t
		cc	2924	IN70 (Am.)	t
			2926	EBL31 (Mul.)	bbe

Service Valve Equivalents

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
2977	EC50 (Mul.)	c	2997	HL63 (MOV)	bbc
2978	IN81 (Am.)	t	2998	HL133 (AEI)	c
2930	ECH33 (Mul.)	cf	2999	HL133DD (AEI)	bbc
2937	6AQ6 (Am.)	bbc	3500	HL210 (MOV)	c
2938	EL33 (Mul.)	e	3501	HL610 (MOV)	c
2939	6F4 (Am.)	e	3502	HL1320 (AEI)	c
2940	EL36 (Mul.)	e	3503	HLDD1320 (AEI)	bbc
2941	EL50 (Mul.)	e	3506	HY615 (Am.)	c
2942	EMI (Mul.)	l	3508	6201 (Am.)	cc
2951	FC2A (Mul.)	h	3509	IN31 (Am.)	t
2955	FC4 (Mul.)	h	3519	KT30 (MOV)	d
2956	FC13C (Mul.)	h	3520	KT31 (MOV)	D
2959	3B21 (Am.)	a	3523	6146 (Am., BEL); QVO6-20 (Mul.)	D
2963	4D21 (Am.); 4-125A (Am.); TT16 (MOV);	a	3525	IN21C (Am.)	D
	CI108 (EEV)	D	3526	EL85 (Mul.)	e
2966	EY86 (Mul.)	a	3527	KTW73M (MOV)	d
2968	7F8 (Am.)	c	3529	KTZ41 (MOV)	d
2969	GT1 (MOV)	i	3530	KTZ73 (MOV)	d
2975	EL84 (Mul., BEL)	e	3531	L2 (AEI)	c
2977	H2 (MOV)	e	3532	L21 (AEI)	c
2979	H30 (MOV)	i	3533	L22DD (AEI)	c
2980	DM70 (Mul.)	l	3534	L30 (MOV)	bbc
2981	H410 (MOV)	c	3538	L610 (MOV)	c
2982	H610 (MOV)	c	3541	L56A (MOV)	c
2983	DL94 (Mul.)	e	3546	MHD4 (MOV)	bbc
2984	6080 (Am., Mul., MOV)	cc	3547	MHL4 (MOV)	c
2985	HD24 (MOV)	bbc	3552	MPT4K (MOV)	e
2987	HFI00 (Am.)	C	3553	MS4B (MOV)	d
2990	6136 (Am.)	e	3554	MPT42 (MOV)	e
2994	HL23 (AEI)	c	3562	MSP41 (MOV)	e
2995	HL23DD (AEI)	bbc	3565	ME41 (Mul.)	l
2996	HL41DD (AEI)	bbc	3567	MUI (AEI)	a

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
3570	MU4250 (AEI)	a	3627	6SN7WGT (Am.)	cc
3571	MVS Pen (Cos.)	e	3630	Pen 44 (AEI)	e
3572	MVS Pen B (Cos.)	e	3631	Pen 45DD (AEI)	bbe
3573	MZ05-20 (Mul.)	c	3633	Pen 231 (AEI)	e
3576	MX40 (Cos.)	g	3634	Pen 428 (Mul.)	e
3577	26A7GT (Am.)	dd	3635	Pen 1340 (AEI)	e
3578	PM22D (Mul.)	e	3636	Pen 1346 (AEI)	e
3579	PT5E (MOV)	E	3637	7BP7A (Am.)	q
3580	304TL (Am.)	C	3638	Pen A4 (Mul.)	e
3582	VP4B (Mul.)	e	3639	7UP7 (Am.)	q
3585	451 (Am.)	B	3641	PM1HL (Mul.)	c
3587	705A (Am., STC)	a	3642	PM1LF (Mul.)	c
3589	707A (Am.); (Similar to 2K28)	s	3643	PM2A (Mul.)	c
3590	708A (Am.)	s	3645	PM2DX (Mul.)	c
3593	713A (Am.); (Similar to 717A)	e	3647	PM22A (Mul.)	e
3594	717A (Am.)	e	3648	PM24E (Mul.)	e
3599	829A (Am.)	DD	3649	PM22 (Mul.)	e
3600	902P1 (Am.)	q	3650	12AY7 (Am.)	cc
3601	7193 (Am.)	c	3651	12SH7GT (Am.)	e
3604	GL464 (Am.)	c	3652	PT5 (MOV)	E
3605	GL464B (Am.)	c	3653	PT6 (MOV)	E
3613	6AR6 (Am.)	d	3654	PT11 (MOV)	E
3614	6BR6 (Am.)	s	3656	PT425 (MOV)	E
3615	6BM6 (Am.)	s	3657	PVO5-15 (Mul.)	E
3616	6BN6 (Am.)	d	3658	PVI-35 (Mul.)	E
3618	6L6WGA (Am.)	e	3666	12SW7 (Am.)	bbc
3619	6S17WGT (Am.)	c	3667	RG4-250 (Mul.)	a
3620	P220 (AEI)	e	3668	RG4-1000 (Mul.)	g
3621	P410 (AEI)	c	3670	12SY7 (Am.)	a
3622	P610 (AEI)	c	3671	RK25 (Am.)	E
3623	PA40 (AEI)	C	3672	RK28 (Am.)	E
3626	Pen 4B (Mul.)	e	3673	RK28A (Am.)	E

**Service Valve Equivalents**

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
3675	9004 (Am.) ...	b	3748	2X2 (Am.) ...	a
3677	RK47 (Am.) ...	E	3750	U22 (AEI) ...	a
3678	2BPI (Am.) ...	q	3751	U21 (MOV) ...	a
3679	RK49 (Am.) ...	D	3752	U30 (MOV) ...	aa
3691	S23 (MOV) ...	d	3753	U31 (MOV) ...	a
3692	S23 (MOV) ...	d	3754	U30 (MOV) ...	a
3694	S130A (Cos.) ...	j	3759	UU4 (AEI) ...	aa
3695	S215 (Cos.) ...	d	3760	UU5 (AEI) ...	aa
3697	12SX7GT (Am.) ...	cc	3761	UU7 (AEI) ...	aa
3698	S610 (MOV) ...	d	3785	VMP4G (MOV) ...	e
3699	S693 (Am.) ...	d	3786	VMP4G (MOV) ...	e
3702	SG215 (AEI) ...	e	3787	VP2 (Mul.) ...	e
3703	SP4B (Mul.) ...	e	3788	VP4 (Mul.) ...	e
3704	SPI3C (Mul.) ...	e	3789	5842 (Am.) ...	e
3705	S691 (Am.) ...	cc	3790	VP13C (Mul.) ...	c
3707	6AL7GT (Am.) ...	i	3791	VP21 (AEI) ...	e
3709	STV150/200 (MOV) ...	j	3792	VP23 (AEI) ...	e
3711	N78 (MOV) ...	e	3793	VP24 (AEI) ...	e
3712	STV280/80A (MOV., EEV) ...	j	3794	VP210 (AEI) ...	e
3714	CV788 Mod. ...	DD	3795	VP215 (AEI) ...	e
3722	T20 (Am.) ...	C	3796	VP1322 (AEI) ...	e
3723	T41 (AEI) ...	i	3798	OA3 (Am.); VR75-30(Am., STC); QS1205 (EEV) ...	j
3725	GL446 (Am.) ...	c	3799	OB3 (Am.); VR90/30 (Am.) ...	j
3726	TDD2A (Mul.) ...	bbc	3804	W21 (MOV) ...	e
3727	TDD4 (Mul.) ...	bbc	3805	W30K (MOV) ...	e
3734	6X5WGT (Am.) ...	aa	3806	W31 (MOV) ...	e
3735	TP26 (AEI) ...	ce	3807	W31 (MOV) ...	e
3742	TZ30 (Am.) ...	C	3809	807W (Am.) ...	e
3743	U5 (MOV) ...	aa	3810	WD30 (MOV) ...	D
3744	U6 (MOV) ...	a	3811	WD30 (MOV) ...	bbe
3746	U14 (MOV) ...	aa	3816	X21 (MOV) ...	g
3747	U15 (MOV) ...	a	3817	X21MET (MOV) ...	g



CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
3818	X22 (MOV) ...	g	3896	5784 (Am.) ...	e
3819	X24 (MOV) ...	g	3898	5829 (Am.) ...	bb
3820	X24 MET (MOV) ...	g	3899	5932 (Am.) ...	d
3821	X31 (MOV) ...	cf	3900	5963 (Am.) ...	cc
3822	X31 MET (MOV) ...	cf	3908	68H6 (Am., BEL) ...	e
3823	X41 MET (MOV) ...	cf	3909	68J6 (Am., BEL) ...	e
3824	X61 (MOV) ...	cf	3912	IU5 (Am., BEL) ...	be
3825	X63 (MOV) ...	g	3919	U82 (MOV) ...	a
3826	X65 (MOV) ...	cf	3920	A2196 (MOV) ...	c
3827	I2C8GT (Am., BEL) ...	cc	3921	A2244 (MOV) ...	c
3828	X66 (MOV) ...	cf	3923	C337A (AEI-BTH) ...	t
3835	Z21 (MOV) ...	e	3924	6AC7W (Am.) ...	e
3836	Z21 MET (MOV) ...	e	3927	I2K8GT (Am., BEL) ...	cf
3837	Z21 (MOV) ...	e	3928	5636 (Am.); EF730 (Mul.) ...	e
3838	Z62 (MOV) ...	e	3929	5840 (Am.); EF732 (Mul.) ...	e
3839	Z66 (MOV) ...	e	3930	5718 (Am.); EC71 (Mul.) ...	c
3841	6F1 (AEI) ...	e	3931	5906 (Am.) ...	e
3881	EB41 (Mul.) ...	bb	3932	5977 (Am.) ...	c
3882	EBC41 (Mul.); 6LD3 (AEI) ...	bbc	3933	5783 (Am.) ...	j
3883	EAF42 (Mul.) ...	be	3934	IN34A (Am.) ...	t
3884	ECC40 (Mul.) ...	cc	3935	14A7 (Am.) ...	e
3885	EF40 (Mul.) ...	e	3936	14S7 (Am., BEL) ...	cg
3886	EF41 (Mul.) ...	e	3937	14R7 (Am.) ...	bbe
3887	EF42 (Mul.) ...	e	3938	I2CS7GT (Am.) ...	cc
3888	ECH42 (Mul.) ...	cf	3939	6BM6A (Am.) ...	s
3889	EL41 (Mul.) ...	e	3940	2C39 (Am.) ...	C
3890	EL42 (Mul.) ...	e	3943	5852 (Am.) ...	aa
3891	EZ40 (Mul.) ...	aa	3960	5783WA (Am., Mul.) ...	j
3892	AZ41 (Mul.) ...	aa	3961	6111 (Am.) ...	cc
3893	4X150G (Am.); QVI-150G (Mul.) ...	D	3978	6AG7Y (Am.) ...	e
3894	6BF7 (Am.) ...	aa	3979	OD3W (Am.) ...	j
3895	5702 (Am.) ...	e	3980	I2SR7GT (Am.) ...	bbc

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CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Tube
3983	125VWGT (Am.)	cc	4024	6060 (BEL); 12AT7WA (Am.); M8162 (Mul.); QA2406 (MOV)	cc
3985	6S17WGT (Am.)	cc	4025	6058 (Am., BEL); M8079 (Mul.); QA2404 (MOV)	bb
3986	6021 (Am., Mul.)	cc	4026	5R4WGA (Am.)	aa
3988	6442 (Am.)	c	4027	5Y3WGT (Am.)	aa
3989	6AN4 (Am.)	c	4028	OB2WA (Am., EEV); M8224 (Mul.)	j
3990	2E26 (Am.)	D	4029	5902 (Am., Mul.)	e
3991	4X15OD (Am., STC, Mul.)	D	4030	G75/3G (STC)	j
3995	6CB6 (Am., Mul.)	e	4031	6101/616WA (Am.); M8081 (Mul.)	cc
3996	U709 (MOV)	aa	4032	5814WA (Am.)	cc
3998	5A/170K (STC); E180F (Mul.)	e	4033	F/6060 (BEL); M8144 (Mul.)	cc
4001	F/6063 (BEL)	aa	4034	F/6067 (BEL); M8149 (Mul.)	cc
4002	F/6064 (BEL); M8140 (Mul.)	e	4035	F/6057 (BEL); M8214 (Mul.)	cc
4003	6067 (BEL); M8136 (Mul.)	cc	4036	M8141 (Mul.)	cc
4004	6057 (BEL); M8137 (Mul.)	cc	4037	F/5750 (BEL)	a
4005	6063 (BEL); QA2407 (MOV)	aa	4039	6062 (BEL); M8096 (Mul.)	g
4006	6059 (BEL)	aa	4040	S6F17 (AEI)	e
4007	5726 (Am., BEL); M8212 (Mul.)	e	4041	S6F17F (AEI)	e
4008	5719 (Am.)	bb	4042	S19G6F (AEI)	e
4009	5749 (Am., BEL)	c	4043	6061 (BEL)	a
4010	5654 (Am.); M8100 (Mul.)	e	4044	M8091 (Mul.); 6443 (BEL)	d
4011	5725 (Am., BEL); M8196 (Mul.)	c	4045	F/6061 (BEL)	a
4012	5750 (Am., BEL)	e	4046	TT15 (Reliable) (MOV)	d
4013	5670 (Am.)	g	4047	G400/2G (STC)	DD
4014	6064 (BEL); M8083 (Mul.)	cc	4048	M8098 (Mul.); QS1212 (EEV)	j
4015	6065 (BEL); M8161 (Mul.); QA2400 (MOV)	e	4049	F/5726 (BEL); M8237 (Mul.)	bb
4016	5814 (Am.)	cc	4050	M8180 (Mul.)	e
4017	5751 (Am.)	cc	4051	F/6158 (BEL)	cc
4018	5727 (Am.); M8204 (Mul.)	i	4052	QS1202 (EEV)	j
4019	6005 (Am.); M8245 (Mul.)	c	4053	QS1203 (EEV)	j
4020	QA2WA (Am., EEV); M8223 (Mul.)	c	4054	M8142 (Mul.); QS1213 (EEV)	j
4022	6135 (Am.)	c	4055	6132 (BEL)	e
4023	6AU6WA (Am.)	e			

CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Device	CV No.	Commercial Equivalent and Manufacturer	Type of Valve or Device
4056	F/6132 (BEL)	e	5065	6U8 (Am., BEL); 6U8/ECF82 (Mul.)	ce
4058	M8080 (Mul.)	c	5067	6SH7L (Am.)	e
4059	M8097 (Mul.)	bc	5072	EZ81 (Mul.)	aa
4060	S11E12 (AEI)	d	5073	6AM4 (Am., BEL)	c
4061	U37 (Reliable) (MOV)	a	5074	6AF4A (Am., BEL)	c
4062	A2134 (Reliable) (MOV)	e	5077	PL81 (Mul.)	e
4063	6516 (BEL); M8082 (Mul.)	e	5080	EF37A (Mul.)	e
4064	S6F33 (AEI)	e	5081	61SPT (Cos.)	e
4065	A2134 (Reliable) (MOV)	e	5085	27M2 (AEI)	v
4066	M8190 (Mul.); 5783WA (Am.)	j	5086	6BS7 (BEL)	e
4067	F/7001 (BEL); M8167 (Mul.)	D	5088	XCI15 (Hiv.)	j
4068	6158 (BEL)	cc	5105	OC45 (Mul.)	u
4069	F/6158 (BEL)	cc	5107	KD63 (Fer.)	j
4070	M8099 (Mul.)	cc	5110	EF39 (Mul.)	e
4086	EF86 (Reliable) (Mul.)	c	5112	3A/167M (STC)	c
5002	IN23B (Am.)	t	5115	X79 (MOV)	cf
5008	6080WA (Am.)	cc	5116	3B/241M (STC)	C
5009	6203 (Am.)	aa	5140	EAS2 (Mul.)	b
5029	6J4WA (Am.)	c	6004	XC12 (Hiv.)	J
5036	6AF4 (Am.)	c	6055	Similar to CV257	u
5037	6BA6W (Am.)	e	7003	OC44 (Mul.)	u
5038	6BC4 (Am.)	c	7004	OC45 (Mul.)	u
5039	6BL7 (Am.)	cc	7005	OC71 (Mul.)	u
5040	6BQ6G/GT (Am.)	d	7006	OC72 (Mul.)	u
5041	6CL6 (Am.)	e	7007	OC77 (Mul.)	u
5042	12BH7 (Am., BEL)	cc	7008	GET16 (MOV)	u
5052	6AU7 (Am.)	c	7009	GET10 (MOV)	u
5055	EN81 (Mul.)	l	7011	V30/30P (Pye)	u
5057	5702WA (Am.)	e	7012	V30/30P (Pye)	u
5058	5784WA (Am.)	e	7013	IS113 (Tex.)	x
5059	5825WA (Am.)	bb	7014	ZR20 (Fer.)	x
5060	Z759 (MOV)	e	7015	ZR21 (Fer.)	x

Service Valve Equivalents

CV No.	Commercial Equivalent and Manufacturer	Type of Device	CV No.	Commercial Equivalent and Manufacturer	Type of Device
7016	ZR22 (Fer.) ...	x	7062	2SO17 (Tex.)	u
7017	ZR23 (Fer.) ...	x	7063	2SO18 (Tex.)	u
7018	ZR11 (Fer.) ...	x	7064	2SO19 (Tex.)	u
7018	ZR12 (Fer.) ...	x	7065	2SO20 (Tex.)	u
7020	ZR14 (Fer.) ...	x	7067	SX47 (MOV)	z
7021-5	RS 20 Series (STC/R)	x	7068	SX51 (MOV)	z
7036	GJ4M (AEI) ...	x	7069	SX56 (MOV)	z
7037	GJ6M (AEI) ...	x	7070	SX62 (MOV)	z
7038	GJ3M (AEI) ...	x	7071	SX68 (MOV)	z
7039	GJ5M (AEI) ...	x	7072	SX75 (MOV)	z
7040	OA202 (Mul.)	y	7073	SX82 (MOV)	z
7041	OA95 (Mul.)	t	7074	GET103 (MOV)	u
7043	OC200 (Mul.)	u	7075	OC201 (Mul.)	u
7044	OC201 (Mul.)	u	7076	OA47 (Mul.)	u
7045	IS111 (Tex.)	x	7077	ZR31 (Fer.) ...	t
7046	IS115 (Tex.)	x	7078	ZR32 (Fer.) ...	x
7047	OA5 (Mul.)	t	7079	ZR32 (Fer.) ...	x
7048	OA5 (Mul.)	t	7080	GET 571 (MOV)	x
7049	OA10 (Mul.)	y	7081	GET 572 (MOV)	x
7050	SX781 (MOV)	y	7082	GET 573 (MOV)	x
7054	OC23 (Mul.)	u	7083	OC29 (Mul.)	u
7056	2S002 (Tex.)	u	7084	OC35 (Mul.)	u
7057	2S003 (Tex.)	u	7085	OC28 (Mul.)	u
7058	2S004 (Tex.)	u	7086	OC36 (Mul.)	u
7059	2S005 (Tex.)	u	7090-B	Z2 Series (STC/R) ...	u
7060	2SO14 (Tex.)	u	7099-		u
7061	2SO12A (Tex.)	u	7106	1S7000 Series (Tex.)	z

**CV & COMMERCIAL EQUIVALENTS OF ARMY, NAVY & R.A.F. TYPES**

CV No.	Commercial Equivalent & Manufacturer:	Type of Valve or Tube	Service Codes	CV No.	Commercial Equivalent & Manufacturer	Type of Valve or Tube	Service Codes
1023	230XP (Cos.)	C	VT23	1164	AC/SG (AEI)	d	NR37
1027	210LF (Cos.); L210 (MOV)	c	VR27	1165	VMS4 (MOV)	d	NR38
1028	220VSG (Cos.); S215VM (AEI)	d	VR28	1166	LP2 (MOV)	c	NR42, AR5
1029	ESU150 (AEI)	a	VU29	1167	PM24A (Mul.)	e	NR43
1038	MHL4 (MOV); 41MLF (Cos.)	c	VR38, NR26	1189	AC6Pen (AEI)	e	NR74
1041	PM12M (Mul.)	d	VR41	1190	ACP4 (AEI)	c	NR75
1043	210PG (Cos.); VHT2A (Fer.); X22 (MOV)	g	VR43	1196	AC5PenDD (AEI)	bbe	NR87
1045	X56 (MOV)	C	VT45	1198	ACP4 (AEI)	c	NR94
1049	210SPT (Cos.); SP210 (AEI)	e	VR49	1201	4317 (Mul.)	i	NS4
1050	HL2K (MOV)	c	VT50	1205	E1007 (MOV)	C	NT17
1051	Pen.220A (AEI); 220PT (Cos.)	e	VT51	1208	P625 (MOV)	c	NT20
1117	41MTL (Cos.)	c	VR117	1237	PM24D (Mul.)	e	NT62
1119	DDL4 (Cos.)	bb	VR119	1319	VS2 (Fer.)	d	ARS8
1120	SU2150A (Cos.)	a	VUI20, NU33	1320	SP2 (Mul.)	e	ARP2
1124	MS/Pen (Cos.)	e	VR124, NR70, ARP23	1322	SP210 (Mul.)	e	ARP4
1125	MS/Pen B (Cos.)	e	VR125	1323	VP2 (Mul.)	e	ARP5
1126	45H (Cos.)	f	VR126	1324	SP4 (Mul.)	e	ARP6
1129	MS/Pen/T (Cos.)	e	VR129	1325	42MPT (Cos.)	e	ARP7
1141	GDT4C (Cos.)	i	NGT1	1326	AC4Pen (AEI)	e	ARP8
1143	GT1A (MOV)	i	NGT4	1327	Pen.1340 (AEI); 7D8 (BEL)	e	ARP9
1152	L410 (MOV); PM4DX (Mul.); 410LF (Cos.)	c	NR15A	1328	7D85 (BEL)	e	ARP9A
1153	PM254 (Mul.)	c	NR16	1329	APP4G (Mul.)	e	ARPI0
1154	PM254 (Mul.)	c	NR16A	1332	210VPT (Cos.); VP21 (MOV)	e	ARPI3
1156	DEQ (MOV)	c	NR18	1333	220IPT (Cos.); Z22 (MOV)	e	ARPI4
1158	PM14 (Mul.)	d	NR22	1334	KT24 (MOV); Pen 231 (AEI)	e	ARPI8
1159	S410 (MOV); PM14 (Mul.)	d	NR23	1337	116Pen (Cos.)	e	ARP22
1160	104V (Mul.)	c	NR27	1338	220VPT (Cos.)	e	ARP24
1161	104V (Mul.)	c	NR27A	1341	MSP4 (MOV)	e	ARP33
1163	PM28A (Mul.)	cc	NR35	1367	V245 (AEI)	e	ATP5
				1368	V226 (AEI)	E	ATP7
				1370	PVI-35 (Mul.)	E	ATP35

**Note:** CV and Commercial equivalents of Service types not in this list will be found in the CV/Commercial equivalent tables.

**Service Valve Equivalents**

**BRITISH 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)

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**ROYAL NAVY VALVES**

NC	Navy Cathode Ray Tubes
NGT	Navy Gas Triode
NR	Navy Receiving
NS	Navy Stabilizing
NT	Navy Transmitting
NU	Navy Rectifying

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**ROYAL AIR FORCE VALVES**

VCR	Valve Cathode Ray
VGT	Valve Gas Triode
VI	Valve Indicating
VR	Valve Receiving
VS	Valve Stabilising
VT	Valve Transmitting
VU	Valve Rectifying

**BRITISH ARMY TYPES**

Type No.	CV	Navy	R.A.F.	Type No.	CV	Navy	R.A.F.
AD1	1314	—	—	ARPI1	1329	—	—
AR4	1303	—	—	ARPI2	1331	—	—
AR5	1166	NR42	VR22	ARPI3	1332	NR41	VR83
AR6	1304	NR42	VR109	ARPI4	1333	—	—
AR7	1109	NR55	—	ARPI5	1195	NR86	VT74
AR8	1306	—	—	ARPI6	1074	NR83	—
AR9	1307	—	VR21	ARPI7	1186	NR85	—
AR10	1308	—	—	ARPI8	1334	—	VR65A
AR11	1309	—	—	ARPI9	1335	NR79	—
AR12	1310	—	—	ARP20	1336	—	—
AR13	1311	—	—	ARP21	1192	—	—
AR14	1312	—	—	ARP22	1337	—	—
AR15	1313	—	—	ARP23	1124	NR70	VR124
AR16	1032	—	VR32	ARP24	1338	—	—
AR17	1037	NR31	VR37	ARP25	1181	—	—
AR20	1316	—	—	ARP26	1340	—	—
AR21	1055	NR48	VR55	ARP33	1341	—	—
AR22	1078	—	VR78	ARP34	1053	—	VR53
AR24	1302	—	—	ARP35	1091	—	VR91
ARDD1	1300	—	—	ARP36	1065	—	VR65
ARDD3	1301	—	—	ARP37	1342	—	—
ARDD5	1054	—	—	ARP38	1343	—	—
ARH1	1280	NR67	VR54	ARS6	1317	—	—
ARPI	1118	NR39	VR118	ARS7	1318	—	—
ARPI2	1320	—	—	ARS8	1319	—	—
ARP3	1321	—	VR106	ARTH1	1944	—	—
ARP4	1322	—	—	ARTH2	1347	—	—
ARP5	1323	—	—	ARTPI	1344	—	—
ARP6	1324	—	—	ARTP2	1345	—	—
ARP7	1325	—	—	AT20	1361	—	—
ARP8	1326	—	—	AT35	1025	—	VT25
ARP9	1327	—	—	AT55	1222	—	—
ARPI0	1328	—	—	ATP4	1366	NT39	—

**Service Valve Equivalents**

Type No.	CV	Navy	R.A.F.	Type No.	CV	Navy	R.A.F.
ATP5	1367	—	—	AU4	1113	NU18	VU113
ATP7	1368	—	—	AU5	1111	—	VU111
ATP10	1369	—	—	AU6	1072	NU16	VU72
ATP35	1370	NT74	—	AU8	1356	—	—
ATP75	1371	NT38	—	AU12	2853	NU13A	—
ATP100	1372	—	—	AU13	—	NU20	—
ATS25	1374	—	VT60A	AW2	1070	—	VS10
ATS25A	1364	—	VT60A	AW3	1110	—	VSI10
ATS70	1365	—	—	AW4	1068	—	VS68
AU1	1264	NU12	—	AW5	1359	—	—
AU3	1064	NU3	VU64	AW6	1077	—	V177
AU3A	1039	NU17	VU39				

**ROYAL NAVY TYPES**

Type No.	CV	Army	R.A.F.	Type No.	CV	Army	R.A.F.
NGT1	1141	—	—	NR55	1109	AR7	VR109
NGT2	1128	—	VGT128	NR56	1178	—	—
NGT4	1143	—	—	NR57	1179	—	—
NR15	1151	—	—	NR58	1180	—	—
NR15A	1152	—	—	NR59	1181	ARP25	—
NR16	1153	—	—	NR60	1182	—	—
NR16A	1154	—	—	NR61	1183	—	—
NR18	1156	—	—	NR66	1187	—	—
NR22	1158	—	—	NR67	1280	ARH1	—
NR23	1159	—	—	NR68	587	—	—
NR26	1038	—	VR28	NR69	1103	—	VR103
NR27	1160	—	—	NR70	1124	ARP23	VR124
NR27A	1161	—	—	NR71	1129	—	—



Service Valve Equivalents

Type No.	CV	Army	R.A.F.	Type No.	CV	Army	R.A.F.
NR28	1019	—	VR19	NR72	1188	—	—
NR31	1037	AR17	VR37	NR73	1285	—	—
NR35	1163	—	—	NR74	1189	ATP35	—
NR37	1164	—	—	NR75	1190	—	—
NR38	1165	—	—	NR76	1191	—	—
NR39	1118	ARPI	VR118	NR77	1286	—	—
NR41	1083	ARPI3	VR83	NR78	581	—	—
NR42	1166	AR5	—	NR79	1192	ARP21	VR135
NR43	1167	—	—	NR80	1135	—	—
NR44	1168	—	—	NR81	1941	—	VR99
NR45	1169	—	—	NR82	1193	ARP16	VT74
NR46	1170	—	—	NR83	1074	—	—
NR47	1040	—	VR40	NR84	1194	—	—
NR48	1055	AR21	VR55	NR85	1186	ARP17	—
NR49	1056	—	VR56	NR86	1195	ARP15	—
NR50	1171	—	—	NR87	1196	—	—
NR51	1172	—	—	NR88	1197	—	—
NR52	1173	—	—	NR94	1198	—	—
NR53	1174	—	—	NR95	1502	—	VR502
NR54	1175	—	—	NS1	1069	—	V569
NS3	1200	—	—	NT65A	1240	—	—
NS4	1201	—	—	NT82	1246	—	—
NS5	1202	—	—	NU3	1064	AU3	VU64
NT17	1205	—	—	NU5	1261	—	—
NT18	1206	—	—	NU12	1264	AU1	—
NT20	1208	—	—	NU13	1265	—	—
NT36	1219	—	—	NU16	1072	AU6	VU72
NT37	1220	—	—	NU17	1039	AU3A	VU39
NT38A	1221	ARP75	—	NU18	1113	AU4	VU113
NT39	1222	AT75	—	NU20	1474	AU13	—
NT40	1223	—	—	NU31	1279	—	—
NT58	1288	—	—	NU33	1290	—	VU120
NT62	1237	—	VT62	NU34	1134	—	VU134

Service Valve Equivalents

ROYAL AIR FORCE TYPES

Type No.	CV	Navy	Army	Type No.	CV	Navy	Army
VR18	1018	—	—	VT60	1060	—	—
VR19	1019	NR28	—	VT60A	1572	—	ATS25
VR20	1020	—	—	VT61	1061	—	—
VR21	1021	—	AR9	VT61A	1573	—	—
VR22	1022	—	—	VT62	1062	NT58	—
VR23	1023	—	—	VU64	1064	NU3	—
VR25	1025	—	AT35	VR65	1065	—	AU3
VR27	1027	—	—	VR65A	1574	—	ARP36
VR28	1028	—	—	VR66	1066	—	ARP19
VU29	1029	—	—	VR67	1067	—	—
VR32	1032	—	AR16	V568	1068	—	AW4
VR35	1035	—	—	V569	1069	NS1	—
VR37	1037	—	AR17	V570	1070	—	AW2
VR38	1038	NR31	—	VU71	1071	—	—
VU39	1039	NR26	—	VU72	1072	NU16	AU6
VU39A	1569	NU17	AU3A	VT73	1073	—	—
VR40	1040	—	—	VT74	1074	NR83	ARP16
VR41	1041	NR47	—	VT75	1075	—	—
VR43	1043	—	—	VT75A	1576	—	—
VR44	1044	—	—	VT75B	1577	—	—
VT45	1045	—	—	VT76	1076	—	—
VR46	1046	—	—	V177	1077	—	—
VR47	1047	—	—	VR78	1078	—	AW6
VR49	1049	—	—	VT80	1080	—	ARD2
VT50	1050	—	—	VT81	1081	—	—
VT51	1051	—	—	VR82	1082	—	—
VT52	1052	—	—	VR83	1083	NR41	—
VR53	1053	—	ARP34	VT88	1088	—	—
VR54	1054	—	ARDD5	VR91	1091	—	—
VR55	1055	NR48	AR21	VR91A	1578	—	—
VR56	1056	NR49	—	VR95	1095	—	—
VR57	1057	—	—	VR95A	1579	—	—
VR59	1059	—	—				

Type No.	CV	Navy	Army	Type No.	CV	Navy	Army
VT96	1096	—	—	VR122	1122	—	—
VR99	1099	—	—	VR123	1123	—	—
VR100	1100	—	—	VR124	1124	NR70	ARP23
VR101	1101	—	—	VR125	1125	—	—
VR102	1102	—	—	VR126	1126	—	—
V1103	1103	NR69	—	VT127	1127	—	—
VT104	1104	—	—	VG128	1128	NGT2	—
VR105	1105	—	—	VR129	1129	—	—
VR106	1106	—	ARP3	VR130	1130	—	—
VR107	1107	—	—	VU133	1133	—	—
VR108	1108	—	—	VU134	1134	—	—
VR109	1109	NR55	AR7	VR135	1135	NU34	—
VS110	1110	—	AW3	VR136	1136	—	—
VU111	1111	—	AU5	VR137	1137	—	—
VU113	1113	NU18	AU4	VT501	1501	—	—
VR116	1116	—	—	VR502	1502	—	—
VR117	1117	—	—	VR503	1503	—	—
VR118	1118	NR39	ARPI	VU505	1505	—	—
VR119	1119	—	—	VU508	1508	—	—
VU120	1120	NU33	—	VT510	1510	—	—
VG121	1121	—	—				

Service Valve Equivalents

U.S. SIGNAL CORPS VALVES

V.T. No.	Commercial Equivalent	V.T. No.	Civilian Type
4C	211	52	45
5	WE215A	54	34
7	WX12	55	865
17	860	56	56
19	861	57	57
22	204A	58	58
24	864	59	59
25	10	60	850
26	22	62	801A
27	30	63	46
28	24A	64	800
29	27	65	6C5
30	01A	65G	6C6
31	31	66	6F6
33	33	67	30 (Special)
34	207	68	6B7
35	35, 51	69	6D6
36	36, 36A	70	6F7
37	37, 37A	72	842
38	38, 38A	73	843
39A	869B	74	5Z4
40	40	75	75
41	851	76	76
42A	872A	77	77
43	845	78	78
44	32	80	80
45	45	83	83
46A	866A	84	84/6Z4
47	47	86	6K7
48	41	86A	6K7G
49	39/44	87	6L7
50	50	88	6R7
51	841	89	89

Service Valve Equivalents

V.T. No.	Commercial Equivalent	V.T. No.	Civilian Type
90	6H6	129	304TL
91	6J7	131	12SK7
92	6Q7	132	12K8Y
93	6B8	133	12SR7
94	6I5	134	12A6
95	2A3	135	12J5GT
96	6N7	136	1625
97	5W4	137	1626
98	6G5/6U5	138	1629
99	6F8G	139	VR150/30
100A	807	141	WL531
101	837	143	805
103	6SQ7	144	813
104	12SQ7	145	5Z3
105	6SC7	146	IN5GT/G
106	803	147	IA7GT
107	6Y6	148	ID8GT
108	450TH	149	3A8GT
109	2051	150	6SA7
111	1802-P4, 5BP4	151	6A8G
112	6AC7/1852	152	6K6GT
114	5T4	153	12C8
115	6L6	154	814-RK47
116	6SJ7	161	12SA7
117	6SK7	162	12SJ7
118	832	163	6C8G
119	879/2X2A	164	1619
120	954	165	1624
121	955	167	6K8
124	1A5GT/G	168A	6Y6G
125	1C5GT/G	169	12C8
126	6X5	170	1E5GT
128	1630	171	1R5

Service Valve Equivalents

V.T. No.	Commercial Equivalent	V.T. No.	Civilian Type
172	IS5	211	6SG7
173	IT4	212	958
174	354	213A	6L5G
175	1613	214	12H6
176	6AB7/1853	215	6E5
177	ILH4	216	816
178	ILC6	217	811
179	ILN5	218	100TH
182	3B7/1291	220	250TH, RK63, HK354E
183	IR4/1294	221	3Q5GT/G
184	OB3/VR90	222	884
185	3D6/1299	223	IH5GT/G
188	7E6	224	2C34, RK34
189	7F7	225	307A
190	7H7	226	3EPI, 1806-PI
191	316A	228	8012A
192	7A4	229	6SL7GT
193	7C7	230	350A
194	7J7	231	6SN7GT
195	1005	233	6SR7
197A	5Y3GT	234	HY114B
198A	6G6G	235	HY615, 705A, 802I
199	6SS7	236	836
200	OC3/VR105	237	957
201	25L6	238	956
202	9002	241	7E5/1201A
203	9003	243	7C4/1203A
204	3C24, HK24G	244	5U4G
205	6ST7	245	2050
206A	5V4G	246	918
207	12AH7GT	247	6AG7
209	12SG7	250	EF50
210	1S4	254	304TH

**Service Valve Equivalents**

V.T. No.	Commercial Equivalent	V.T. No.	Civilian Type
255	8021, 705A	269	717A
259	829B	286	832A
260	OA3, VR75	287	815
264	3Q4	288	12SH7
266	1616, 866JR, 2B26	289	12SL7GT
268	12SC7		