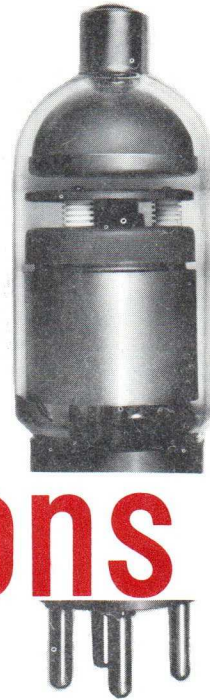




Ignitrons



Thyratrons



Vapor Rectifiers



IGNITRONS

A. C. WELDER CONTROL IGNITRONS

TUBE TYPE (NOTE 2)	SIZE	RMS LINE VOLTS	MAXIMUM RATINGS							MAX. DIMENSIONS (NOTE 1)		COOLING
			DEMAND KVA	CORRES. CURRENT DC AMP.	DEMAND RMS AMP. 500 V. 1-30 CPS	CURRENT DC AMP.	CORRES. DEMAND KVA	MAX. AVG. TIME IN SEC.		LENGTH	DIAM.	
								@ 250 V	@ 500 V			
WL-5550	A	250 - 600	300	12.1	600	22.4	100	22	11	9-7/8"	2-3/4"	Clamp
WL-5551A WL-5551A (PC)	B	250 - 600	600	30.2	1200	56	200	18	9	13"	2-3/4"	Water
WL-5552A WL-5552A (PC)												
WL-5553B WL-553B (PC)	C	250 - 600	1200	75.6	2400	140	400	14	7.1	14"	4-1/4"	Water
WL-5553B WL-553B (PC)	D	250 - 600	2400	192	4800	355	800	11.2	5.6	19-1/2"	5-5/8"	Water
WL-5554/679	C	2400	1200	75	500 (Note 3)	113	600	1.5 (Note 3)	-	17"	4-1/8"	Water
WL-5555/653B WL-5555A	D	2400	2400	135	1000 (Note 3)	207	1105	1.7 (Note 3)	-	20"	5-3/4"	Water
WL-7669 WL-7669 (PC)	B Coax	250 - 600	600	30.2	1200	56	200	18	9	13"	3-1/4"	Water
WL-7671 WL-7671 (PC)	C Coax	250 - 600	1200	75.6	2400	140	400	14	7.1	14-1/4"	4-5/8"	Water
WL-7673	D Coax	250 - 600	2400	192	4800	355	800	11.2	5.6	17-1/2"	5-5/8"	Water
WL-7681 WL-7681 (PC)	C 1/2	250 - 600	1800	113.5	3600	210	600	9.5	7.1	17-1/2"	4-1/4"	Water
WL-7998 WL-7998 (PC)	C 1/2 Coax	250 - 600	1800	113.5	3600	210	600	9.5	7.1	5-5/16"	5-5/16"	Water

PULSE MODULATOR IGNITRONS (NOTE 5)

TUBE TYPE	MAXIMUM RATINGS				PULSE	
	FORWARD KV	INVERSE KV	PEAK AMP.	AVG. AMP.	LENGTH μ SEC.	REP. RATE PPS
WL-6228	40	0.5	3300	3.8	3.2	360

FREQUENCY CHANGER WELDING CONTROL IGNITRONS

TUBE TYPE (NOTE 2)	SIZE	PEAK INVERSE VOLTS	RATED CURRENTS				MAX. AVG. TIME SECONDS	MAX. DIMENSIONS (NOTE 1)		COOLING
			MAX. PEAK AMP.	CORRES. AVG. AMP.	MAX. AVG. AMP.	CORRES. PEAK AMP.		LENGTH	DIAMETER	
			WL-5551A } WL-5551A (PC) }	B	1200 1500	600 480		5 4	22.5 18	
WL-5553B } WL-5553B (PC) }	D	1200 1500	3000 2400	40 32	140 112	840 672	6.25 6.25	19-1/2"	5-5/8"	Water
WL-5822A } WL-5822A (PC) }	C	1200 1500	1500 1200	20 16	70 56	420 336	6.25 6.25	14"	4-1/4"	Water
WL-7669 } WL-7669 (PC) }	B Coax	1200 1500	600 480	5 4	22.5 18	135 108	10 10	13"	3-1/4"	Water
WL-7672 } WL-7672 (PC) }	C Coax	1200 1500	1500 1200	20 16	70 56	420 336	6.25 6.25	14-1/4"	4-5/8"	Water
WL-7673	D Coax	1200 1500	3000 2400	40 32	140 112	840 672	6.25 6.25	17-1/2"	5-5/8"	Water
WL-7681 } WL-7681 (PC) }	C 1/2	1200 1500	2250 1800	30 24	105 84	630 502	6.25 6.25	17-1/2"	4-1/4"	Water
WL-7998 } WL-7998 (PC) }	C 1/2 Coax	1200 1500	2250 1800	30 24	105 84	630 502	6.25 6.25	15"	5-5/16"	Water

POWER RECTIFIER IGNITRONS

TUBE TYPE	SIZE	PEAK INVERSE VOLTS	MAXIMUM CURRENT RATINGS		MAX. DIMENSIONS (NOTE 1)		COOLING
			PEAK AMP.	CONT. AVG. AMP.	LENGTH	DIAMETER	
WL-5554/679	C	900 2100	900 600	100 75	17"	4-1/8"	Water
WL-5555A } WL-5555/653B }	D	900 2100	1800 1200	200 150	20"	5-3/4"	Water
WL-6228	-	20000	900	150	42"	9"	Water

CONTINUOUS DUTY A.C. CONTROL IGNITRONS (NOTE 4)

TUBE TYPE (NOTE 2)	SIZE	MAXIMUM RATINGS								MAX. DIMENSIONS (NOTE 1)		COOLING
		RMS LINE VOLTS	DEMAND KVA	CORRES. CURRENT DC AMP.	CONTINUOUS RMS AMP. 2 TUBES	CURRENT DC AMP.	CORRES. DEMAND KVA	MAX. AVG. TIME SEC. @ 250 V @ 500 V	LENGTH	DIAMETER		
WL-23011 WL-23011 (PC) }	B	250 - 600	600	30.2	124	56	200	18	9	13"	2-3/4"	Water
WL-23012 WL-23012 (PC) }	C	250 - 600	1200	75.6	311	140	400	14	7.1	14"	4-1/4"	Water
WL-23013 WL-23013 (PC) }	D	250 - 600	2400	192	788	355	800	11.2	5.6	19-1/2"	5-5/8"	Water
WL-23014 WL-23014 (PC) }	B Coax	250 - 600	600	30.2	124	56	200	18	9	13"	3-1/4"	Water
WL-23015 WL-23015 (PC) }	C Coax	250 - 600	1200	75.6	311	140	400	14	7.1	14-1/4"	4-5/8"	Water
WL-23016	C 1/2	250 - 600	1800	113.5	466	210	600	9.5	7.1	17-1/2"	4-1/4"	Water
WL-23017	D Coax	250 - 600	2400	192	788	355	800	11.2	5.6	17-1/2"	5-5/8"	Water
WL-23018	C 1/2 Coax	250 - 600	1800	113.5	466	210	600	9.5	7.1	15"	5-5/16"	Water

CAPACITOR DISCHARGE & CROWBAR IGNITRONS

TUBE TYPE	MAXIMUM RATINGS					MAX. DIMENSIONS (NOTE 1)		COOLING
	HOLD-OFF KV	PEAK AMP.	DISCHARGE COULOMBS	REP. RATE PULSES/MIN.	AVERAGE CURRENT AMP.	LENGTH	DIAMETER	
WL-6228	60	30,000	-	-	-	42"	9"	Water
WL-7171	10	35,000	18.6	2	0.6	8-7/16"	2-5/32"	Clamp
WL-7703	20	100,000	-	2	-	7"	2-7/32"	Clamp
WL-7740	20	35,000	18.6	2	0.6	8-7/8"	2-5/32"	Clamp
WL-8306	15	35,000	18.6	2	0.6	8-7/8"	2-5/32"	Clamp
WX-4681	20	75,000	15.0+	6	0.7	20"	5-5/8"	Water
WX-30216	15	35,000	18.6	2	0.6	8-7/16"	2-5/32"	Clamp

NOTES:

1. Excluding flying leads, water pipes, and on coaxial tubes the mounting flange.
2. Suffix PC indicates plastic-coated tube.
3. At 2400 volts.
4. These tubes use heavy duty ignitors designed for continuous duty.
5. Consult Industrial and Transmitting Tube Development Department for pulse modulator applications. The parameters listed represent a specific application only and substantial increases can be made in some areas.

THYRATRONS

TUBE TYPE	CATHODE		FILL	MAXIMUM RATINGS			MECHANICAL	
	VOLTS	AMPS.		ANODE VOLTS	PEAK AMPS.	AVG. AMPS.	MAX. OAL	MAX. DIAM.
WL-414	5.0	20	Hg	2000	100	12.5	15-3/16"	3-1/8"
KU-610	2.5	6.5	gas	500	0.4	0.1	6-1/2"	2-7/16"
WL-624	5.0	10	Hg	2500	80	6.4	11-1/8"	3-5/16"
WL-627	2.5	5	Hg	5000	2.5	0.64	6-5/8"	2-1/16"
WL-629	2.5	2.6	gas	350	0.2	0.04	4-1/4"	1-9/16"
WL-632B	5.0	5	Hg	1500	30	2.5	8-3/4"	2-5/16"
WL-672A	5.0	5	Hg	2500	40	3.2	8-3/8"	2-5/16"
WL-676	5.0	10	Hg	2500	40	6.4	11-3/4"	3-13/16"
WL-677	5.0	10	Hg	10000	16	4.0	11-7/16"	3-13/16"
WL-678	5.0	7.5	Hg	15000	6.0	1.6	11-3/16"	2-9/16"
WL-5632	2.5	9	gas	1250	30	2.5	6"	1-5/8"
WL-5665	2.5	31	gas	1250	160	16	18"	2-5/8"
WL-5685	2.5	21	gas	1250	77	6.4	9-1/2"	2-1/8"
WL-5796	2.5	8.5	gas	1500	20	1.6	5-1/4"	1-9/16"
WL-5877	2.5	10.8	gas	1500	40	3.2	5-7/8"	1-3/4"
WL-6860	2.5	21	gas	1250	77	6.4	8-3/4"	2-1/32"
WL-7269	5.0	5	Hg	21000	12	3.2	11-3/16"	2-9/16"
WL-7297	2.5	10.8	gas	1500	40	3.2	6-3/8"	2-3/16"
WL-7306A	2.5	9	gas	1250	30	2.5	5-11/16"	1-9/16"
WL-7307A	2.5	9	gas & Hg	1500	30	2.5	6-1/4"	1-9/16"
WL-7321	2.5	21	gas	1250	77	6.4	10"	2-3/16"
WL-7363	2.5	8.5	gas	1500	20	1.6	5"	1-9/16"
WL-7509A	2.5	9	gas & Hg	1500	30	2.5	7"	2-3/16"
WL-7556A	2.5	9	gas	1250	30	2.5	7"	2-3/16"
WL-8043	5	6	Hg	21000	7.5	2.5	11-3/16"	2-9/16"

MERCURY-VAPOR RECTIFIERS

TUBE TYPE	CATHODE		RATINGS				MECHANICAL			
	VOLTS	AMPS.	INVERSE VOLTS	PEAK AMPS.	AVG. AMPS.	DROP VOLTS	COOLING	MAX. DIMENSIONS		BASE
								LENGTH (Note 1)	DIAMETER	
WL-575	5.0	10	15000	6.0	1.5	10 (Note 2)	air	11"	2-7/8"	A4-29
WL-673	5.0	10	15000	10.0	2.5	10 (Note 2)	air	11-3/8"	2-7/8"	A4-18
WL-857B	5.0	30	22000	40.0	10.0	15 (Note 2)	air	19-7/8"	7-1/8"	Leads
WL-869B	5.0	19	20000	10.0	2.5	15 (Note 2)	air	14-7/16"	5-1/8"	A3-20
WL-869BL	5.0	19	20000	10.0	2.5	15 (Note 2)	air	14-7/16"	5-1/8"	Leads
WL-872A	5.0	7.5	10000	5.0	1.25	10 (Note 2)	air	8-1/2"	2-5/16"	A4-29
WL-6894	5.0	10	20000	11.5	2.5	25 (Note 3)	air	10-17/32"	2-5/8"	A4-69
WL-6895	5.0	10	20000	11.5	2.5	25 (Note 3)	air	10-13/32"	2-5/8"	A4-18
WL-7659	5.0	16.25	22000	40.0	10.0	15 (Note 2)	air	17-5/8"	7-1/2"	Leads
WL-8008	5.0	7.5	10000	5.0	1.25	15 (Note 2)	air	8-3/4"	2-5/16"	A4-18
WL-23029	5.0	30	22000	40.0	10.0	15 (Note 2)	air	19-7/8"	7-1/8"	Leads

NOTES:

1. Excluding flying leads.
2. Average value at rated current.
3. Maximum value at rated peak current.

...other Westinghouse tubes include:

DISPLAY STORAGE TUBES-ELECTRICAL READOUT STORAGE TUBES-FLUX MAPPERS-FISSION CHAMBERS-FISSION COUNTERS-HIGH VACUUM POWER AMPLIFIER AND OSCILLATOR TUBES-HIGH VACUUM PULSE MODULATOR TUBES-HIGH VACUUM RECTIFIER TUBES-HOLLOW CATHODE SPECTRAL SOURCES FOR ATOMIC ABSORPTION SPECTROSCOPY-IMAGE DISSECTORS-IMAGE INTENSIFIERS-IMAGE ORTHICONS-INDUSTRIAL AND MILITARY CATHODE RAY TUBES-IONIZATION CHAMBERS-IONIZATION VACUUM GAUGES-KLYSTRONS-MAGNETRONS-MICROWAVE CAVITIES-MICROWAVE SWITCHES-MICROWAVE TEST EQUIPMENT-PERMACHONS-PHOTOMULTIPLIERS-PIRANI VACUUM GAUGES-PROPORTIONAL COUNTERS-RADECHONS-RECEIVING TUBES-RECORDECHONS-SCAN CONVERTERS-THERMIONS-THERMOCOUPLE VACUUM GAUGES-TRAVELING WAVE TUBES-TV PICTURE TUBES-UVICONS-VIDICONS