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IGNITRON

SIZE D

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DATA**General:**

Peak Voltage Drop. 12 volts

Cooling:

Type Water

Minimum Flow 3 gal./min.

Pressure Drop per tube, at Minimum Flow. . 5.1 lb./sq. in.

Maximum Outlet Water Temperature 40 °C

Minimum Inlet Water Temperature. 10 °C

Temp. Rise at Min. Flow (Average
current 200 amp/anode), Approx. 5 °C

Mounting Position. Vertical, Flexible Lead Up

Maximum Rigid Length (Approx.) 20"

Maximum Diameter, including Cooling Connections. . . 9-3/8"

AC WELDER-CONTROL SERVICE[®]Ratings are for any voltage from 250 to 600 volts rms
at frequencies from 25 to 60 cycles**Maximum Ratings, Absolute Values:**

DEMAND	2400 max.	kva
CORRESPONDING AVERAGE ANODE CUR.	192 max.	amp
AVERAGE ANODE CURRENT.	355 max.	amp
CORRESPONDING DEMAND	800 max.	kva
TIME OF AVERAGING ANODE CURRENT:		
At 500 volts RMS	5.6 max.	sec
At 250 volts RMS	11 max.	sec
SURGE ANODE CURRENT.	■ peak amp	
PEAK POSITIVE IGNITOR VOLTAGE §	900 max.	volts
	200 min.	volts
PEAK NEGATIVE IGNITOR VOLTAGE.	5 max.	volts
PEAK IGNITOR CURRENT§	100 max.	amp
	30 min.	amp
AVERAGE IGNITOR CURRENT*	1 max.	amp
IGNITION TIME§	100 max.	μsec

CURVES FOR THE 5553 IN THIS CLASS OF SERVICE
ARE SHOWN UNDER TYPE 5550

* Averaged over any 5-second interval.

■ Must be held to 280% of maximum demand rms current.

® RMS demand-voltage, -current, and -kva are on the basis of full-cycle conduction(no phase delay)regardless of whether or not phase-control is used. Use the 250-volt rating for voltages below 250 volts.

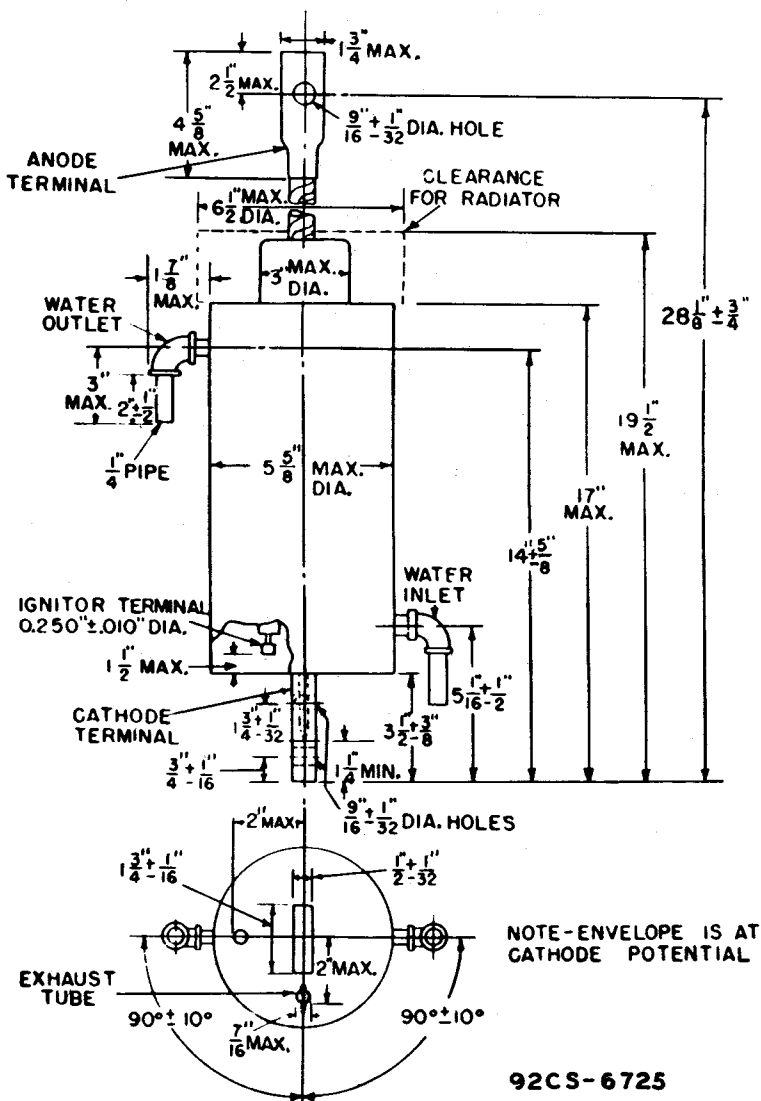
§ Ignition will occur if either minimum peak positive ignitor potential is applied, or minimum peak ignitor current flows, for the rated maximum ignitor ignition time.

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MAY 1, 1946

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

CE-6725