

THYRATRON WITH SHIELD GRID

CSTI-6000

This data should be read in conjunction with "Operating Notes on Mercury Vapour Rectifiers"

OPERATING CONDITIONS

Heater	Voltage	5.0	V
	Current	10.5	A approx.
Mounting position		Vertical, base down	

CHARACTERISTICS

Valve voltage drop		10-20	V
Deionisation time		1,000	μ S approx.
Control (measured at ambient temperature 20° C and with shield grid connected to cathode)			
Anode voltage	100	500	V
Critical grid voltage	-1	-7	V approx.

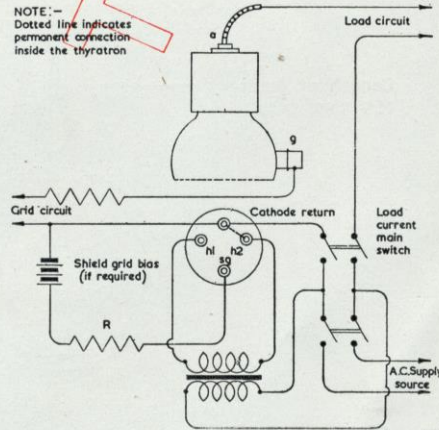
LIMITING VALUES

Max. peak forward anode voltage		1,000	V
Max. peak inverse anode voltage		1,000	V
Max. instantaneous anode current	below 25 c/s	12	A
	25 c/s and above	25	A
Max. mean anode current—averaged over 30 seconds		6	A
Max. instantaneous shield grid current		1.0	A
Max. mean shield grid current		0.25	A
Max. instantaneous control grid current		1.0	A
Max. mean control grid current		0.25	A
Min. cathode heating time		5	minutes
Working ambient temperature		10-40	°C

The diagram shows the recommended method of connecting the CSTI-6000, the connections to the special base cap being as viewed from below.

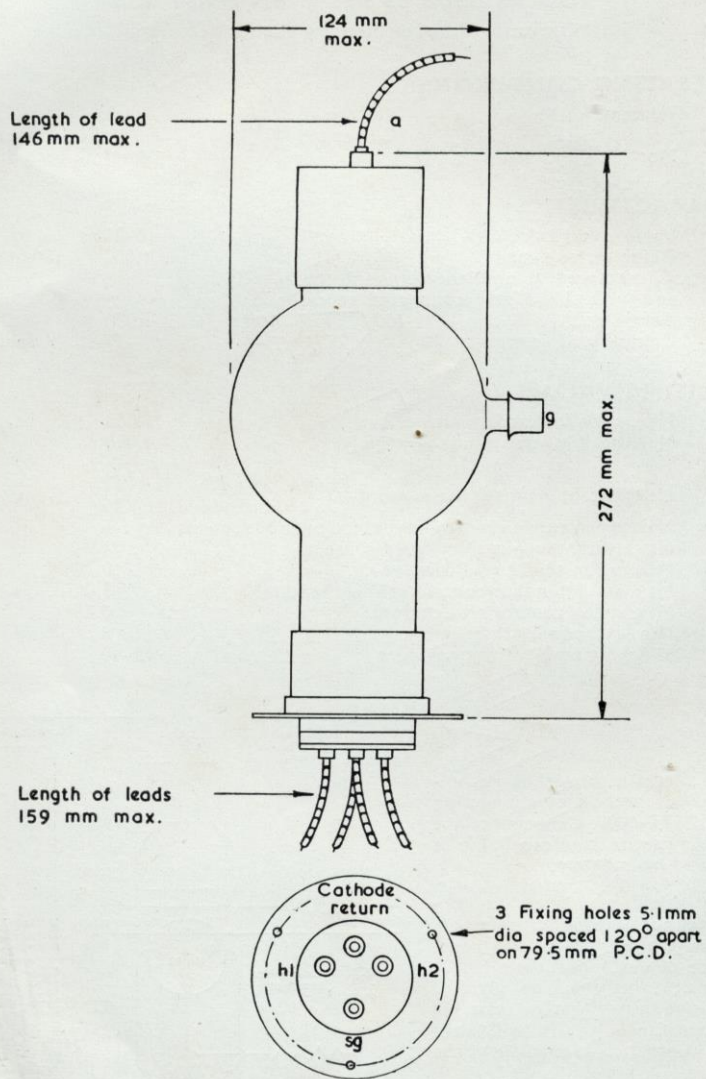
The shield grid may be connected to the cathode, preferably through a current limiting resistance of not more than 10,000 ohms, or it may be given a positive or negative bias as shown. Such a bias will alter the control characteristic of the valve.

NOTE:—
Dotted line indicates permanent connection inside the thyatron



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