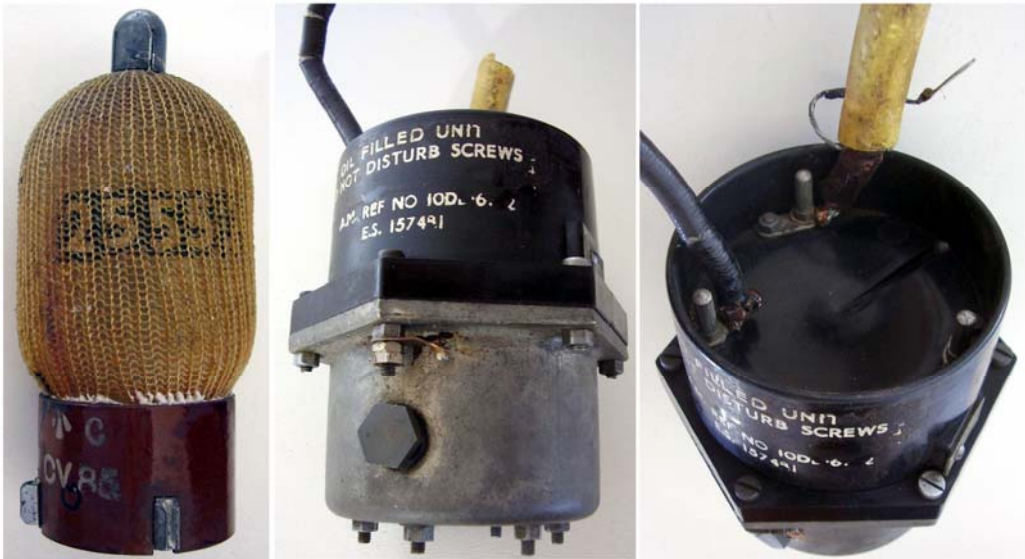


## CV85 – Trigatron Spark Gap



In the above picture a CV85 is shown aside its oil-filled base, containing the trigger pulse transformer.

Trigatron spark gap for pulse forming in radar modulator circuits. 1200 pulses per second max pulse repetition rate. 3.5 to 11 kV voltage range, 8 kV typical. 6.5 kv typical triggering voltage. 150 kW peak out power. [CV85](#) spec sheet.

Hard-glass (pyrex) envelope, filled with argon at 4 atmospheres and oxygen at 20 mm Hg, as quenching agent. The trigger electrode stem was protected by a glass tubing up to the tip. From mid-1942 it was used to drive the CV64 magnetron in H2S radar sets.



The protective fabric sock has been removed from the sample in the pictures above, to show details of the internal electrode structure.