

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV270/Issue 3. Dated 1st June, 1945. To be read in conjunction with K1001, ignoring clauses :- 4.1. and 6.	<u>Security</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> S-band standing wave neon indicator. <u>ENVELOPE</u> : Glass, unmetallised. <u>PROTOTYPE</u> : VX3027.	<u>MARKING</u> (on each valve) See Note A. <div style="border: 1px solid black; padding: 2px; display: inline-block;">CV270 ↑</div>		
	<u>DIMENSIONS</u> See Note B		
	mm.	Min.	Max.
	Overall Length	85	90
	Effective Diameter	3.4	3.7
Wall Thickness	0.6	0.8	

NOTES AND REQUIREMENTS

- A. The marking shall be in the form of a small transfer bearing the CV number, the broad arrow, and shall be put on at the sealing-off end. It shall not exceed 10 mm. in length, and shall not approach within 2 mm. of the end.
- B. The position of the sealing off pip shall not increase the effective diameter of the tube beyond that specified for the maximum diameter.
- C. Gas-filling. The gas-filling shall be a standard gas mixture containing 80% Neon, 20% Helium, and an additional 0.4% Argon, and shall be at a pressure of 30 mm. of Mercury.
- D. Priming. All tubes shall be primed in the waveguide run of the multi-neon wattmeter A.P.58271 when this unit is being calibrated.
- E. Operational Test. The set will be run for three hours and any valve which flickers or ionises intermittently shall be rejected.
- F. Packaging and Marking on Cartons. Valves shall be packed in cartons containing 10 valves. The boxes shall be marked in accordance with K1001 clause 4.2 and carry the additional marking "10 valves CV270". The packing shall meet the requirements of K1001 clauses 7.2 and 7.4.