

Specification MAP/CV295/Issue 4 Dated 19.1.49 To be read in conjunction with K1001 ignoring clause:- 5.2.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

—► Indicates a change

<u>TYPE OF VALVE:</u> Gas-filled protective spark-gap		<u>MARKING</u> See K.1001/4	
<u>BULB:</u> Glass		<u>PACKING</u> See K.1005	
<u>PROTOTYPE:</u> VX.4031		<u>BASE</u> I.O.	
<u>RATING</u>		<u>Note</u>	<u>TOP CAP</u>
Max. Breakdown Voltage (kV)	9.0	A	See K.1001/AI/5.1 except that height may be 10.3 mms. min. to 11.9 mm. max.
Max. Mean Current (mA)	2.0	B	
Max. Peak Current (A)	50		
<u>NOTES</u>		<u>Pin</u>	<u>Electrode</u>
A: This rating shall apply under conditions of reduced pressure equivalent to 25.8 inches of mercury at 15°C. B: Averaged over a period of 3 seconds.		1	Lower electrode
		2	No connection
		3	" "
		4	" "
		5	" "
		6	" "
		7	" "
		8	Lower electrode
		T.C.	Upper electrode
<u>DIMENSIONS</u> See K.1001/AI/D1.			
<u>Dimension</u>		<u>Min.</u>	<u>Max.</u>
B (mm)		29.0	31.0
C (mm)		-	35.0
L (mm)		54.0	60.5
Length excluding top cap and base		11.0	-

CV295

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested	Note
			Min.	Max.		
a	Voltage pulses of $1/2 \mu\text{sec.}$ duration and PRF 1000 to be applied, slope of the voltage front near breakdown being 70-100 kV. per microsecond.	Breakdown Voltage (kV)	8.0	9.0	100%	1
b	The valve shall operate satisfactorily under conditions of reduced pressure equivalent to 25.8" of mercury at 15°C.				T.A.	

NOTE

1: Test to be carried out after 7 day's shelf life.