

METAL ELECTROLYTIC CAPACITOR, AND ABSORBENT AND LEAKAGE
PREVENTION MATERIAL FOR METAL ELECTROLYTIC CAPACITOR

ABSTRACT

5

An object is to provide a metal electrolytic capacitor capable of quickly absorbing and immobilizing a belching vapor, etc. of a driving electrolyte and widely reducing a leakage when an explosion-proof valve operates: wherein an
10 aluminum electrolytic capacitor body 1 is configured by housing a capacitor element in a metal case made by aluminum having a cylindrical shape with a bottom, a pair of leads 3a and 3b is led out from the capacitor body, an explosion-proof valve 4 formed by a thin portion having an
15 approximate cross-shape or approximate K-shape, etc. is formed on a top panel portion 2a of the metal case 2, a cap 6 as a casing having a cylindrical shape with a bottom is attached from above to the capacitor body 1 as above, a plurality of small openings 7, 7, ... are formed on a top
20 panel portion (bottom portion) 6a of the cap 6, and an absorbent or a mixture 9 of an absorbent and a water molecular compound wrapped in a permeable fiber material 8, such as unwoven fabric and filter paper, is placed in a space S between the cap 6 and the top panel portion 2a of
25 the capacitor body 1.

Figure 1