

ABSTRACT

PLEATED TYPE CARTRIDGE FILTER DEVICE

A cartridge filter device having high filtration efficiency, having a long filter life, and capable of being produced at low cost. An out-in-pass-type pleated cartridge filter device has a filtration material, a core, a sleeve, and two end caps (upper and lower lid sections). In a filter material cross-section orthogonal to pleat folding, there are one mountain folding line (a), two valley folding lines (b) on both sides of the one mountain folding line, and two mountain folding lines (c) on both sides of the two valley folding lines. Thus the cartridge filter device includes a letter W-shaped section where there are one low mountain section on the sleeve side, two valley sections on the core side, on both sides of the one mountain section, and two high mountain sections on the sleeve side, on both sides of the two valley sections.

Selected drawin: Fig. 1