

ABSTRACT

The protection device with means to reduce the air blast of pressure waves is used in ventilation systems for closed rooms (14).

Mechanically strong means (40, 44) are arranged downstream of the ventilation system in relation to the pressure direction (X) and designed as basket-like air-permeable chicanes (40, 44) to retard the air blast. In protection devices with explosion-protection valves (10), a small part of the pulse of the explosion pressure waves acts directly on the valve closing body (22) and closes this at least partly before the main impact of the pressure waves acts.

The protection devices are used for example in protected rooms for persons and equipment, containments in nuclear power stations and other, offshore, equipment.

(Fig.12)

