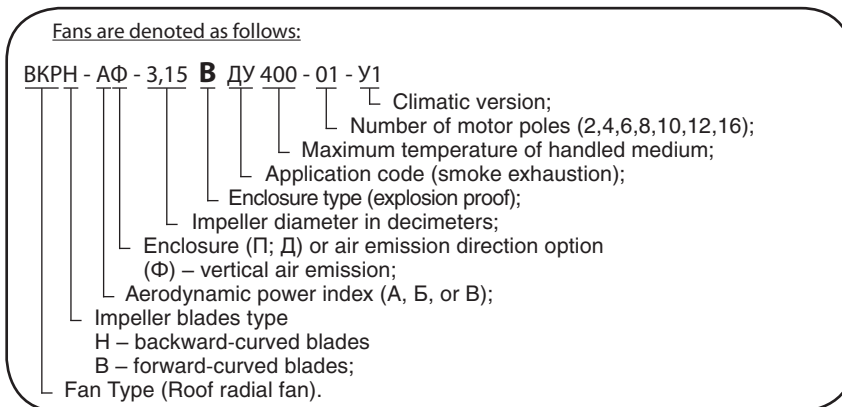


CVM Manufacturing Works produces the following explosion-proof products under special customer's order:

Explosion-proof feature is denoted by the character "B" ("V") after the number as follows:



Handled medium shall correspond to explosive gas and air-vapor mixtures of IIA and IIB categories, group T1 – T4 according to GOST R 51330.11-99 classification, which are not containing explosive dusts and explosive agents, with aggressiveness in relation to regular quality carbon steel not exceeding air aggressiveness. Medium shall not contain adhesive agents, fibrous materials, and abrasive materials, with dust and other solid impurities content of 100 mg/m<sup>3</sup> max.

Fans shall not be used for handling of gas and air-vapor mixtures from manufacturing plants, where explosive materials may be heated above self-ignition temperature or placed under excess pressure.

Fans are used for servicing the explosion hazard zones, class B-1a or class B-1б according to the Electric Installation Code classification.

Fans BKPH-B ДУ (VKRN-V DU), BKPВ-B ДУ (VKRV-V DU) and ВРП-B ДУ (VRP-V DU) are used in exhaust ventilation emergency systems of industrial, public, administrative, residential and other facilities according to Fire Code 105 of the State Fire-Fighting Service of the Ministry of Emergency Situations.

Explosion safety of the explosion proof fans are reached by the following means:

- ◆ Using constructional materials according to GOST R 55026-2012, which are safe with regard to gas-air mixture ignition because of frictional sparking;
- ◆ Installation of special ring made of sparkles material in area of impeller rotation according to the requirements of GOST R 55026-2012;
- ◆ Implementation of explosion-proof accessory electric equipment.

Aerodynamic performance and noise characteristics of explosion proof fans correspond to characteristics of similar fan models without explosion proof enclosure.

All explosion-proof fans are by the GOSTR Certification System and have permission by the Federal Service for Environmental, Technological and Nuclear Supervision.