

FKZ 63, FKZ 125, FKZ 250 NBC filters

TRAYAL Corporation manufactures collective protection filters, which are intended for protection of people and equipment in stationary facilities.

They are fitted into filter-ventilation systems of the facilities, especially in shelters. Depending on the shelter capacity and number of people, there are several types of filters: FKZ-63, FKZ-125, FKZ-250.

TECHNICAL DATA:

The Table shows the number of persons in a shelter which may be supplied with purified air by means of a suitable filter type in case of contaminated atmosphere, in accordance with current regulations in force as well as aerodynamic characteristics, overall dimensions, connections and weight of the said filters.

In accordance with "The Regulations on Technical Characteristics for Constructions of Shelters Intended for Basic Protection", filters for collective protection are installed in specific shelter rooms which are separated from other shelter rooms.

Filter Type	FKZ 63			FKZ 125			FKZ 250			
Number of persons in the shelter	25			50			100			
Rated flow (m ³ /h)	63			125			250			
Max. resistance at rated flow (Pa)	350			480			600			
Max diameter D (mm)	500			600			700			
Height C (mm)	410			490			560			
Weight (kg)	35			50			85			
Variant	A	B	C	A	B	C	A	B	C	
Connection	Entrance	Rd	/	Rd	Rd	flanges	Rd	Rd	flanges	Rd
	Exit	Rd	/	flanges	Rd	flanges	flanges	Rd	flanges	flanges



- **Airtightness** : The filter is to be airtight under the pressure of 20 kPa;
- **Filter efficiency**: 99,99%, tested on paraffin oils. Testing shall be performed on complete filters.
- **Protection against gases**: There are microtests of the activated carbon.
 - Phosgene (COCl₂): 5000 ppm concentration, protection capacity is 45 minutes.
 - Chloropicrin (CCl₃NO₂): 5000 ppm concentration, protection capacity is 50 minutes.
 - Chlorine (Cl₂): 5000 ppm concentration, protection capacity is 50 minutes.
 - Tetra chloromethane (CCl₄): 5000 ppm concentration, protection capacity is 50 minutes.

