RFN – cartridge filters regenerator

Application

RFN cartridge filters regenerator is designed for cleaning the cartridge filters which during the operation of the filtering unit became polluted to such degree that the automatic filter cleaning system is not able to regenerate. This case is an example of the flow efficiency decrease of the device. The device is designed for cleaning the filters that are charged with dry dust particles, non-explosive dusts and with chemically neutral pollutants. The regenerator has been developed for application in closed rooms (indoor application). It is important that in the vicinity of the process should be present servicing people only, because the regeneration process occurs in a closed space.

Structure

The device consists of subsequent elements:

- steel housing,
- container of 33 litres capacity – displacing on wheels,
- a pneumatic system controlling the regeneration process,
- cleaning nozzle,
- vacuum cleaner located under the device.

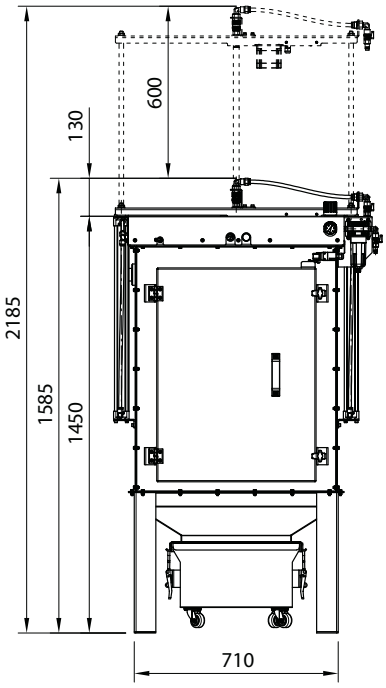
Operational Use

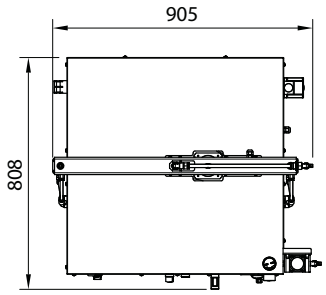
Prior to start-up, the appliance ought to be connected to the compressed air installation 6–8 bar. After the cartridge filter is placed in the regenerator, it should be fixed by a pneumatic blockade. Next, close the revision door of the regenerator. To the back wall of the device, connect the vacuum cleaner hose and switch on the vacuum cleaner. Subsequently, press the button to operate the regeneration process. The filter pleats are cleaned by an air-supply nozzle that is moving up and down. Until the device is manually switched off, the nozzle displaces constantly and automatically. During the cleaning process, the dust impurities accumulate in the container underneath the hopper of the device. The air undergoes decompression in the regenerator housing and is discharged through the vacuum cleaner fitting piece. The appliance provides removal of the smallest contamination fractions that are released during the filter regeneration.

The control panel contains electrical and pneumatic switches in the front of the device.

Technical Data

Type	Part No.	Capacity of the container [dm^3]	Supply voltage [V]	Required air pressure [bar]	Consumption of the compressed air [l/min]	Weight [kg]	Application
RFN-660	805U01	33	230	6–8	1000	190	filter for filtering units: BIG-1000, BIG-2000, UFO-S, UFO-4-M/N, UFO-A


600
130
2185
1585
1450
710


905
808