

The invention relates to discharge and purification of technological gases going in particular from steel-smelting units. A gas-discharge section of steel smelting unit has a cowl, gas ducts with controlled valves, indicators of temperature and pressure, a cloth filter with tank for dust equipped with system of dust unloading with drive, smoke suction unit and chimney. It has safety valve as well. At that the tank for dust has a vibrator and indicators of upper and lower dust levels. A drive of system of dust unloading has consumed power indicator. Smoke suction unit has indicator of position. Vibrator is blocked with indicator of consumed power of drive of system of dust unloading. Drive of system of dust unloading is blocked with indicators of the upper and the lower dust levels and indicator of position of smoke suction unit. Safety valve can be installed on the body of cloth filter. The invention promotes increase of reliability and decrease of metal consumption of gas discharge section.