

Method for production of gaseous nitrogen from atmospheric air by means of nitrogen-compressor unit includes intake of air from atmosphere, with its compression and cooling in compressor, with purification of air in filters-adsorbers and with feeding compressed purified air to membrane gas-separation module to separate gaseous nitrogen and the mix of gases enriched with oxygen, with supply of gaseous nitrogen to supercharge network. The nitrogen-compressor unit is placed in mine working of the mine, with arrangement through modules functionally connected to each other, those are placed in sequence on several small-size portable movable platforms in the most allowed neighborhood of the place of the nitrogen consumption. The compressor is placed first in the direction of flow of fresh jet of air in the working with separation of not used worked out mix of gases from the cavities of the compressor at its termination to the worked-out air flow leaving the mine. The mix of gases saturated with oxygen is from the membrane gas-separation module supplied to the mixer or tank with antipyrogen-adsorbers to decrease concentration of oxygen in it to safe allowed value through forced rarefaction by additional supplied air, with the following supply of the air mix formed to the new mine air flow coming to the section of the mine.