

Fields of Application

In mining:
- The mining pump and foam system is a portable machine for producing and pumping two-component urea and formaldehyde resin foams using compressed air.
In the construction industry and tunnelling technology:
to perform other works where equipment with such parameters need to be used.

Advantages

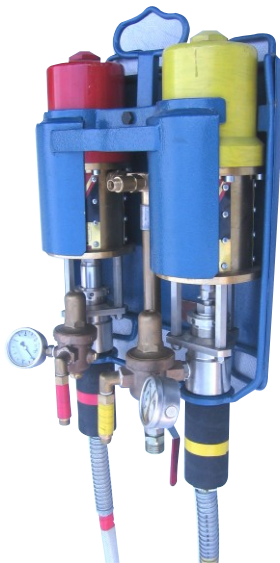
The compact design.
- Portable system.
- Ability to adjust the pumping ratio of liquid components.
- Constant pressure of components for precision pumping.
- Various embodiments depending on the used components proportions and transport requirements.
- The pump unit is suspended on a knapsack frame. The application of the carrying belts facilitates transport by one worker.

Product characteristics

Pump system:
- Two hydraulic pumps driven, depending on the version, with one or two compressed-air engines. The one-engine pump unit pumps components at a fixed proportion of 1:1. The design of the two-engine unit allows for adjusting the components proportion. The pump unit is suspended on a knapsack frame. The application of the carrying belts facilitates transport by one worker.
- Work hoses:
A set of 3 hoses for compressed air, resin solution and foaming solution.
Foaming equipment:
- Type SA-250 or SA-500

Technical parameters

Working pressure of compressed air:	Time to produce 1 m3 of foam:	Weight	Compressed air demand:	Pumping height
0.3-0.9 Mpa	3 min in SA-500 and 6 min in SA-250 1 min	app. 45 kg	App. 1 m3/min	0.5 Mpa



Method of use:

The pump unit pumps components through the work hoses to the foaming equipment where in its chamber the foaming solution is shaken and expanded to foam and fixed with the resin solution. Type SA-250 and type SA-500 have identical designs; they differ in capacity only.

Information on safe use:

It meets hygienic requirements and the requirements of the Polish and European Union laws on marketing, also for materials intended for use in underground workings of mining companies, in non-methane and methane spaces included in the explosion risk "a", "b" or "c" degree and dust coal explosion risk class A or B. The GAPP meets the requirements of the ATEX Directive and Machine Directive, which is reflected in the Certificate of Conformity issued by the Notified Body.