

## **PUMPING AGGREGATE WITH MIXER ČAM 1 P**

### Use and description:

Pumping aggregate with mixer **ČAM 1 P** (hereinafter only mixer) is a portable equipment with pneumatic drive intended for the stirring up and transport of the concrete and cement- ash mixtures (for example for the fire extinguishing structures). The stirring operation runs in cycles.

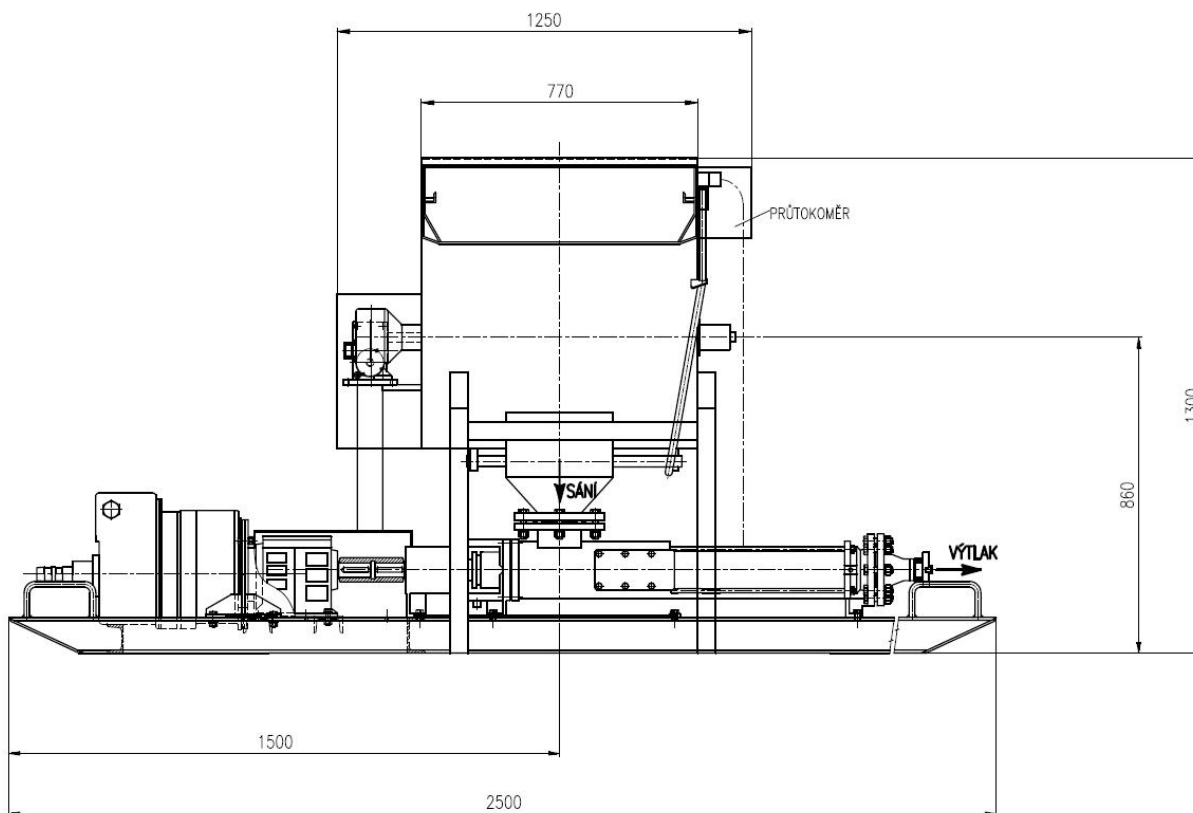
The pump consists of the frame, stirring drum, pump with drive and controlling device. The frame is manufactured from the steel profiles, on which the stirring drum (170 dm<sup>3</sup>) is fastened. The suction port of the two stage screw pump is connected to the stirring drum and the pump is also fastened to the frame. The pump drive is with the gear or vane pneumatic motor with a gearbox, clutch and controlling device. The stirring drum is driven with separate pneumatic drive with a worn gear unit and with a water dosing equipment.

It is possible to deliver the mixer in a few versions depending on the stirring drum, pump type (single or double stage) or on the drive type. Based on the special requirements it is possible to deliver the mixer with the hydraulic motor (emulsion) – ČAM 1 WK, or with the electric motor (ČAM 1 E). With various components the different characteristics are ensured – as for example dimensions, weight, output pressure etc.).



**Characteristics:**

Type		CAM 1 P
Nominal transport output	m <sup>3</sup> /h	6
Drum paddle speed	rpm	52
Max. mixture output pressure	MPa	0.6
Max. mixture particle dimension	mm	5
Aggregate drive		pneumatic motor
Nominal motor output	kW	6.5
Operation compressed air pressure	MPa	max. 0.6
Stirring drum operation volume	m <sup>3</sup>	0.17
Pneumatic motor type		VMZ 713
Pumping distance	m	300 (hor.), 20 (ver.)
Dimensions l x w x h	mm	2 500x700x1 300
Weight	kg	ca 660.0
Water dosing equipment flow rate	l / min	20 – 120

**Possible versions (set):**


The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC-ATEX of the European Parliament and of the Council and meets the requirements for using in areas "hazardous atmospheric conditions 2" according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.