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Gunite machines - TTS Series

Field of Application

The TTS concrete spraying machines have been designed for spraying concrete and refractory mixtures in the so-called dry way. They are used, in particular, in the metallurgy and foundry industries to spray the lining of the steel furnaces, ladles, boilers, rangeof coke ovens and other units with refractory mixtures. Due to their special construction, it is possible to carry out concrete spraying in cold and hot environment.

Working Principle

The TTS concrete spraying machines work on the principle of pneumatic transport when the dry mixture is pressed into the transport hoses or pipes (if hot) by the air pressure and it is transported into the spraying jet to the place of application. The mixture is moistened in the spraying jet by water (alternatively by water with an accelerating admixture) led into it by a separate hose.

Parameter	TTS 300	TTS 400	TTS 600	TTS 800
Volume of the pressure vessel [l]	300	400	600	800
Max. output [m^3/h]	3			
Max. granularity of the mixture [mm]	5			
Max. transport distance - vertical [m]	20			
Max. transport distance - horizontal [m]	50			
Max. air pressure [MPa]	0,6			
Air consumption [m^3/min]	5			
Max. moisture of the mixture [%]	4			
Inner diameter of the transport hose [mm]	DN = 32,40,50			
Dimensions				
Length [mm]	1630	1630	1830	2030
Width [mm]	1060	1080	1080	1280
Height [mm]	1720	2150	2470	2800
Weight (no accessories) [kg]	632	710	765	835

Advantages

- using only the power of the compressed air
- long service life of the machine – no rotating or other movable parts
- simple and easy handling
- fast and simple termination of the operation without any demanding cleaning of the machine
- smooth output regulation
- very good mobility of the machine enabling its flexible use