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OCM-049 Media



Pump for the application of dry- and wet-shotcrete and the pneumatical transport of fine gravel

The BELLOLI OCM-049 pump is based on a rotor principle and used for application of shotcrete in dry and wet condition. The pumps performance is also geared to transport fine gravel and other construction material in adjustable quantity units from 2-3 m³/h up to 10-11 m³/h.

The main fields of application of this pump remain the consolidation works of tunnels and slopes as well as the shotcrete lining of channels, drainages, etc. Furthermore the machine's operation extends also to fill in the intermediate space between segments and the excavation by TBM with fine gravel.

The high flexibility of the machine in reference to applicable mixture ratios and hourly workloads allow to operate it in a wide range of projects. A newly installed device prevents the forming of material lumps along the line of transport, while the exclusive sealing system of the rotor with hydraulic pistons guarantees a hermetic sealing during operation under any circumstances.

The heavy rotor of the BELLOLI OCM-049 MEDIA can be extracted by using 2 hydraulic pistons, thus facilitating maintenance works to be carried out by a single person in a swift and safe manner.

The pump can also be delivered in a version called «DOSA», with an integrated mechanism for adding liquids (mainly consolidation fasteners) which is synchronized with the power of the shotcrete output. The digital display on the electric switch board shows instantaneously the rotations per minute of the rotor and the output of the dosage pump in liters/hour.

Technical Data

Volume/Capacity of rotor chamber (l)	Theor. power of rotor (m ³ /h)	Inner sec. tube (mm)	Grain size (mm)	Output (m)		Air consumption at 4-6 bars (m ³ /min)
				Dry hor./vert.	Wet hor./vert.	
12,5	10,5	50	13	500 / 100	-----	8 - 10
		65	20	500 / 100	80 / 40	12 - 16
18,8	15,8	65	20	500 / 100	80 / 40	15 - 20

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