



# Aliva<sup>®</sup> Rotary machines FOR PEA GRAVEL BACKFILLING

## ■ Extreme low wear for long maintenance intervals

Aliva pea gravel backfilling rotary machines conveying up to 10 x more than conventional machines without changing the wear plates. This is the welcome result of our unique rotary construction with steel wear plates and our pneumatic clamping device.

## ■ Automatic data capturing and Interface to TBM

Especially with the robust Aliva -267 you always have the conveying pressure as well as the amount of conveyed material under control. Our innovative PLC, which can be connected trough interface with the TBM control desk, contribute to a great extent to easy operating our machines.

## ■ Reliable machines for your tunnel project

Reliable high conveying performance and outstanding quality properties make our Aliva machines your first choice.

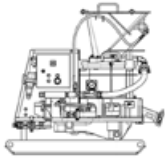
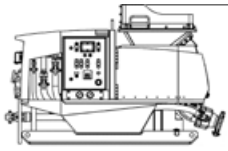
*aliva*<sup>®</sup> III

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# Aliva® -ROTARY MACHINES FOR PEA GRAVEL BACKFILLING

## Specifications and Performances

	Aliva® -257	Aliva® -267
		
<b>Rotor size</b>	12 liters	26.5 liters
<b>Adjustment of conveying capacity</b>	Continuous variable (720 - 2,000 rpm)	2 speeds (1,000 rpm; 1,500 rpm)
<b>Theoretical conveying capacity</b>	3.6 - 9.6 m <sup>3</sup> /h	10.00 m <sup>3</sup> /h; 16.0 m <sup>3</sup> /h
<b>Max. conveying capacity<sup>1)</sup></b> Crushed aggregates 8/12 mm Round aggregates 8/12 mm	approx. 6.0 m <sup>3</sup> /h approx. 7.5 m <sup>3</sup> /h	approx. 8.0 m <sup>3</sup> /h approx. 13.0 m <sup>3</sup> /h
<b>Air consumption<sup>2)</sup></b>	16 Nm <sup>3</sup> /min (7 bar)	21 Nm <sup>3</sup> /min (7 bar)
<b>Voltage</b>	3 x 380 - 480 V, 50 - 60 Hz	3 x 380 - 480 V, 50 - 60 Hz
<b>Power Consumption</b>	4 kW	10 kW
<b>Protection type</b>	IP65	IP65
<b>Dimensions</b> Length Width Height	1'580 mm 800 mm 1'920 mm	2'110 mm 910 mm 1'340 mm
<b>Weight</b>	650 kg	1'525 kg
<b>Max. aggregate size</b>	12 mm	16 mm
<b>Diameter outlet chamber</b>	60 mm	75 mm
<b>Recommended hose diameter</b>	60 mm	65 mm
<b>Blockage recognition</b>	manual	automatic
<b>Wear plates</b>	steel	steel
<b>Remote control</b>	standard	incl. digital display for output quality and actual air pressure
<b>Clamping system</b>	manual	semi-automatic
<b>Vibrating hopper</b>	air driven incl. rotor chamber exhaust-air ventilation	electric driven incl. rotor chamber exhaust-air ventilation
<b>Wear plate lubrication</b>	automatic	automatic

<sup>1)</sup> The conveying capacity depends on many influences variables like material, conveying distance, type of pipes, pipe layout, etc. The indicated values have to be considered as a guideline and might be in reality higher or lower.

<sup>2)</sup> The value shows the maximum air consumption and indicates the requirement for the air supply. Consider air temperature and air pressure (elevation) that might differ from the standard values (Nm<sup>3</sup>/min)!

Prior to use or processing, always consult the current product data sheet of the products used.  
The current version of our respective General Terms and Conditions applies.



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