

ENDLESS PISTON PRINCIPLE



PERFECTLY DOSED!



ViscoTec Pumpen- u. Dosiertechnik GmbH
Amperstr. 13 | 84513 Töging a. Inn | Germany

E-Mail: mail@viscotec.de
Internet: www.viscotec.de

Phone: +49 (0) 8631/9274-0
Fax: +49 (0) 8631/9274-300

dosing of

**ABRASIVE
FLUIDS**



Various factors must be considered when it comes to the selection of the perfect dosing technology – especially when handling **abrasive pastes**. High precision and repeatability can only be guaranteed with perfectly matched components.



ViscoTec uses the endless piston principle based on progressive cavity pump technology in all its dosing applications. This type of rotary positive displacement pumps feeds the material in a self-contained cavity. The combination of a rotor made of hardened stainless steel and a soft elastomer stator can, for instance, **dose and promote highly filled materials gently**. The sealing line between the rotor and the elastomeric stator produces **minimal shear** on the fluids and pastes and at the same time ensures a seal effect without using valves. Due to this **abrasive material** – even with **particles of high grain hardness** – can be dosed **without increased wear**, volumetrically accurate on any component.

checklist for DOSING TECHNOLOGY PROCUREMENT

- Which particular characteristics does this fluid have?
- In which containers is the material to be delivered?
- Is the material to be applied ready to be processed and/or dosed or does it require preparation?
- Do preliminary tests in the laboratory need to be carried out due to high technical requirements?
- Have all mechanical details been clarified?
(Hose lengths, connectors, adapters, mountings)
- Have all electrical details been clarified?
(Signal exchange, electrical connections, interfaces)
- Has sufficient attention been given to all criteria for the dosing of abrasive material?

benefits of the ENDLESS PISTON PRINCIPLE

- Gentle product handling
- Even distribution of included solids
- Backflow free and without back tapers
- Minimal shear within the dosing process
- Constant pressure ratio

More information can be found at:
www.viscotec.de/en

