



FLOCCULATION

› PCM LOW SHEAR DOSING PUMPS:
HIGHER SETTLING RATES, LOWER
OPEX

MINING AND MINERALS

In flocculation processes, sedimentation rates largely depend on the molecular size of the polyacrylamide. Today's flocculants are high molecular weight polymers and the size of molecule makes them sensitive to breakage during pumping operations.

PCM EcoMoineau™ progressing cavity pumps bring **IMPROVED THICKENING EFFICIENCY**, maximise **WATER RECOVERY**, directly translating into **SIGNIFICANT COST SAVINGS**.

› LOW SHEAR PUMPS

PCM pumps preserve **shear sensitive flocculants** integrity, optimising floc formation.

- Gentle conveying principle
- Clear flow path
- Low operating speeds

› REDUCED FLOCCULANTS USAGE

The **volumetric accuracy** inherent to PCM positive displacement pumps enables to further reduce flocculants consumption.

- Easy dosing as the flow rate is proportional to the pump speed
- Accurate flow meter reading thanks to a constant and non-pulsating flow rate
- Excellent repeatability

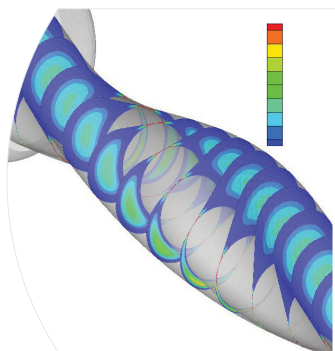
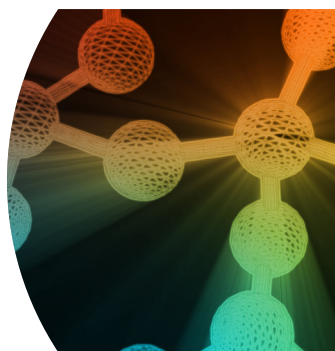




PERFORMANCES

› PERFORMANCES (more upon request)

- Flow rate: up to 300 m³/h
- Pressure: up to 24 bar



Flocculant pumps with multiple injection points
Gold mine, flocculant preparation plant

ADVANTAGES

› PCM MOINEAU™ TECHNOLOGY AT YOUR SERVICE

- Transfer shear sensitive flocculants:
 - a double chain of watertight honeycombed-shaped cavities gently transfer the fluid
 - clear flow path
 - low operating speed



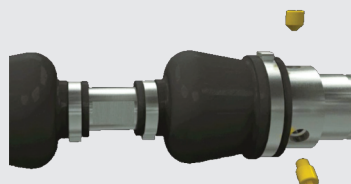
- Dosing accuracy as the flow rate is proportional to the pump speed
- Constant non-pulsating flow rate
- Low and high viscosities capabilities
- High efficiency
- Valve less operation
- Self-priming

› LOW LIFE CYCLE COSTS FROM ECOMOINEAU™ DESIGN

- Reduced installed power
- Variable speed drives for lower energy costs
- Reduced footprint and weight - the shortest PCP on the market
- Easy and fast maintenance: independent access to each wearing part



› PCM EcoMoineau™



3 screws to complete maintenance

The shortest progressing cavity pump on the market