

ELECTRICAL DEVICES

- ABB, SIEMENS and WEG drives as standard - other brands on request
- Speed variator to adjust the flow rate (optional)
- Torque control (optional)



A WIDE RANGE OF PUMPS

Pump model	Rotor	Overall dimensions			Weight (kg)	Connections	
		L: Length (mm)	W: Width (mm)	H: Height (mm)		Inlet (mm)	Outlet (mm)
SUMO 1P	Single	715	465	568	273	180 x 180	DN 150
SUMO 3P	Single	888	605	730	512	240 x 240	DN 200
SUMO 33P	Double	1,201	697	790	835	315 x 315	DN 300
SUMO 5	Single	1,082	750	900	1,017	315 x 315	DN 300
SUMO 55	Double	1,490	835	970	1,670	445 x 445	DN 400

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Industry can do it

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PT. ROTARINDO UTTAMA MAKMUR

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PROCESS TECHNOLOGIES

SUGAR

Cail & Fletcher SUMO™

Massecuite and magma pumps



Process optimization thanks to an optimal solution designed for the sugar industry

- Preservation of the sugar crystals
- Easy maintenance
- Robust equipment
- Smart and flexible design

Cail & Fletcher SUMO™ is Fives' latest generation of masecuite and magma pumps. Designed to combine outstanding performance and flexibility, the SUMO™ range offers the optimal solution of the market to transfer viscous fluids.

DESIGNED FOR THE SUGAR INDUSTRY

- Transfer of all types of masecuites or magmas
- Preservation of the quality of the crystals
- Easy cleaning by steam or water injection
- Preheating/heating device for long stop
- High volumetric efficiency at low speed (65 rpm max)

UNIQUE DESIGN AND ULTIMATE FLEXIBILITY

- Reversible flow by the inversion of the motor direction
- Possibility to change the drive side: LH or RH
- Very large square inlet to optimize suction and avoid cavitations
- Single or twin piston configuration
- Independent shafts for the piston(s) and the flap(s)
- Self-priming
- Sealing by mechanical lining

FLUID TRANSFER

- No pulsation: regular flow thanks to 90° twin piston
- No hammer effect in the piping
- Adjustable and fully reversible flow

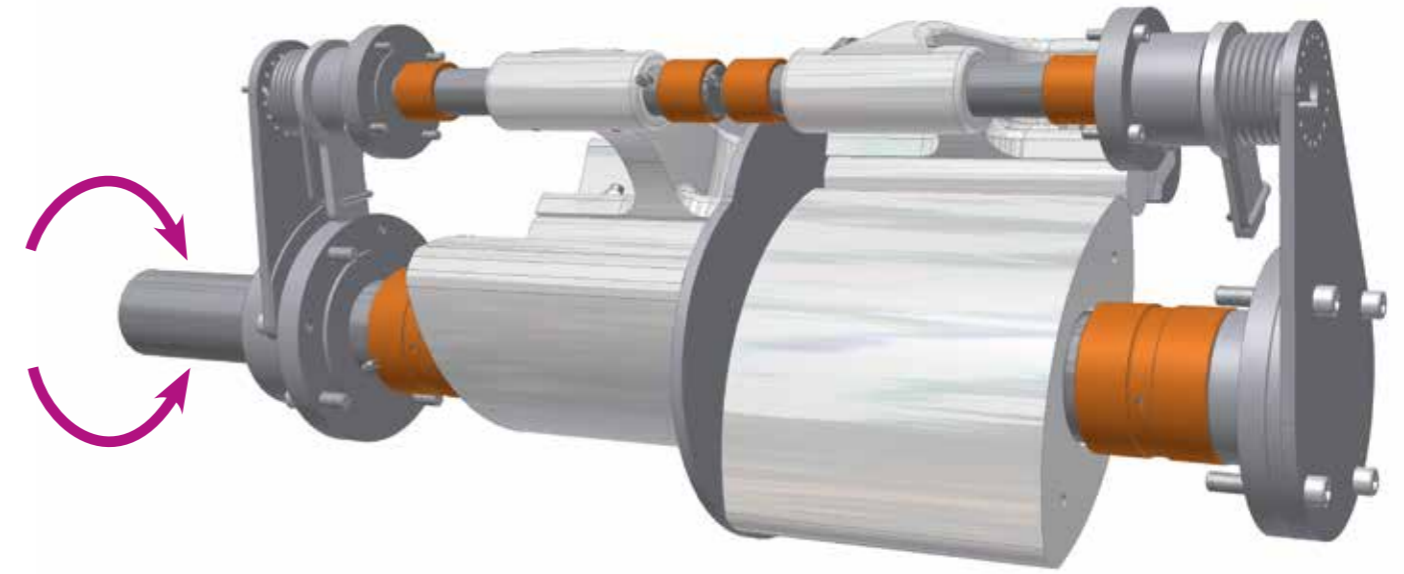


EASY MAINTENANCE

- Minimum wearing parts thanks to the very low rotation speed
- Coupling for both easy assembly and disassembly
- Can be repaired in situ
- Low maintenance costs
- Easy access

HIGH QUALITY AND STRONG DESIGN

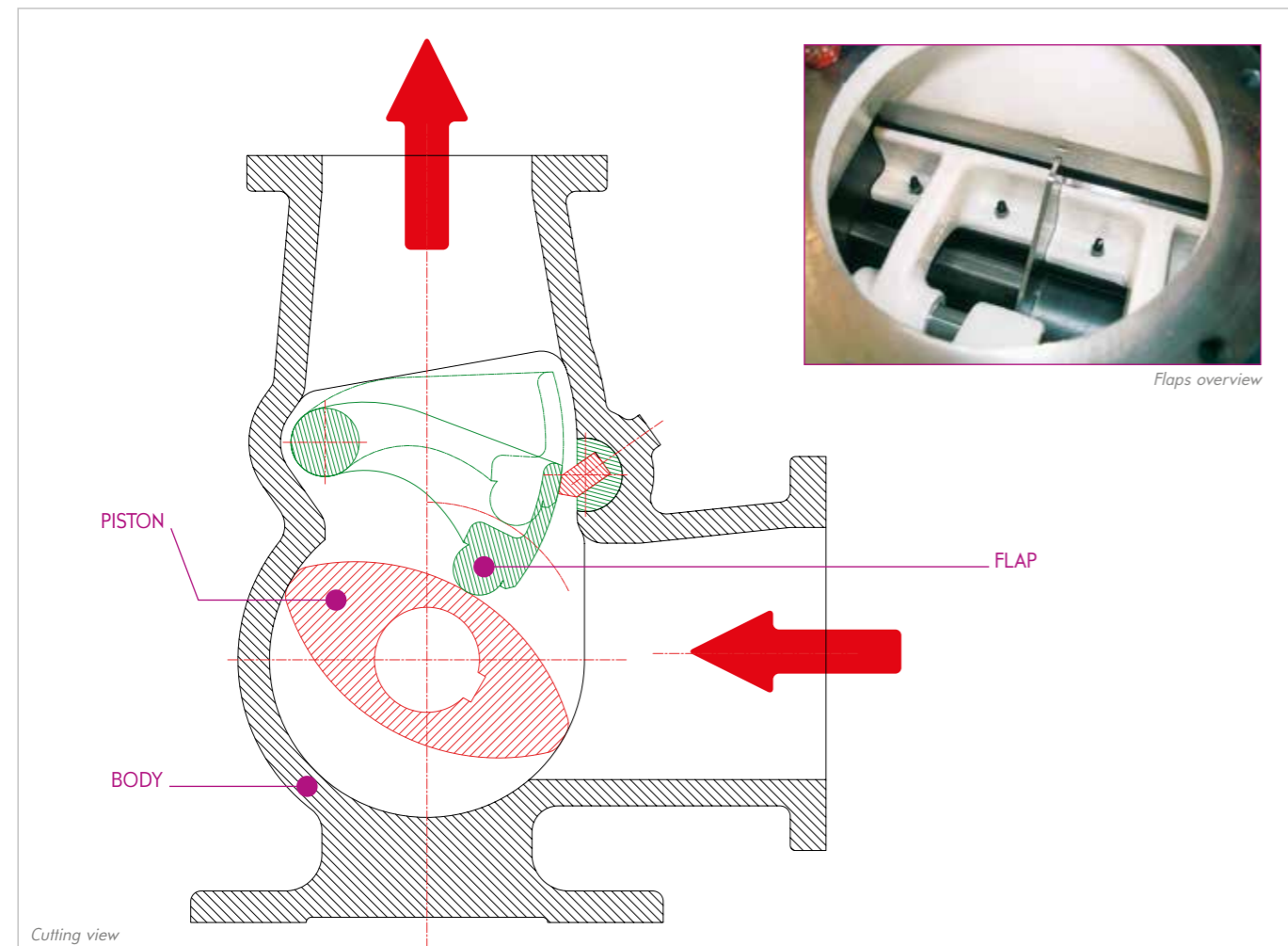
- Sealing: mechanical lining on each shaft to prevent leakage
- Return spring on each flap
- High pump capacity to reduce the speed
- Resist very aggressive site conditions
- Cast iron pump
- Reinforced base plate



90° twin piston configuration

THE WIDEST RANGE OF THE MARKET

- Flow rate: from 3 to 120 m³/h
- Pressure: up to 8 bars
- Viscosity: up to 10,000 Pa.s



SPEED ROTATION (rpm)

