



Sugarequip (Pty) Ltd

PLANT AND EQUIPMENT TO THE CANE SUGAR INDUSTRY WORLDWIDE

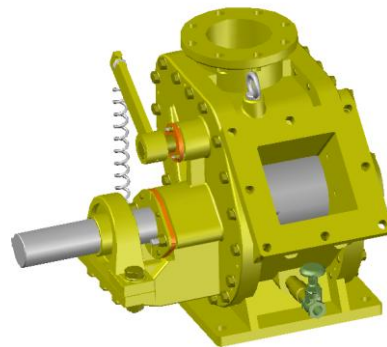
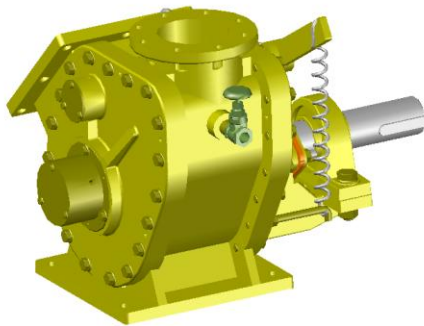
NEW IMPROVED

'Mascual' Rotary Masseurite / Magma Pumps

1. RANGE OF PUMPS AVAILABLE

- 1.1 **Mascual 10CI** – Capacity 10 Litres per RPM – Max 35 RPM
- 1.2 **Mascual 20CI** – Capacity 20 Litres per RPM – Max 35 RPM
- 1.3 **Mascual 30CI** – Capacity 30 Litres per RPM – Max 35 RPM
- 1.4 **Mascual 40CI** – Capacity 40 Litres per RPM – Under Design

2. MASCUAL BARESHAFT PUMPS



3. MASCUAL PUMP SPECIFICATIONS

- 3.1 **PUMP BODY & SIDE COVER** Cast Iron
- 3.2 **PUMP FLANGE CONSTRUCTION**
 - Model 10 – Rectangular Suction & Circular Delivery
 - Model 20 – Rectangular Suction & Circular Delivery
 - Model 30 – Rectangular Suction & Delivery
 - Model 40 – Rectangular Suction & Delivery
- 3.3 **ROTOR** Cast iron with Cast iron / Bronze renewable tips.
- 3.4 **FLAP VALVE** Fabricated steel with bronze renewable tips
- 3.5 **PACKING** Kevlar

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MASCUAL PUMP SPECIFICATIONS - continue

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|-----|----------------|--|
| 3.6 | BUSHES | Vesconite in Non Drive End Side Cover Gland Housing. |
| 3.7 | BEARING | Self aligning spherical on the Drive End. |
| 3.8 | VALVES | 25 NB Wash and / or steaming out valves. |

4. OPTIONAL EXTRA

- 4.1 The pump body and side covers in cast steel or ductile iron permitting higher heads.
- 4.2 Stainless Steel wear plates between the Pump body and side covers to Protect the Side covers from wear.
- 4.3 Leakage bypass piping with steam out valve using lantern ring.
- 4.4 Outboard Pedestal mounted spherical roller bearing plummer blocks enabling a bearing to be changed without opening the Pump and eliminating any drop in the shaft thus reducing wear.

5. SPECIAL FEATURES OF 'MASCUAL' PUMPS

- 5.1 The pumps can be refurbished at a very low cost when the need arises, i.e. rotor and valve tips and packing.
- 5.2 The pumps are designed for either right or left hand assembly. Handing of the Pump can be altered by changing the rotor shaft end to end.
- 5.3 The pump rotor and valve are fitted with renewable bronze tips. Alternative in Cast Iron.
- 5.4 The flap valve is fitted on the delivery side using the head of masecuite to keep the valve closed, assisted by a light spring for low head conditions and liquidation.
- 5.5 Model 10 and 20 Pumps have standard nominal bore flanges delivery and rectangular Suction flanges. The new Mascual 10 Pump, with the bearing and bush arrangement allows for easy dismantling, to remove foreign matter that has jammed the pump or to wash out hardened masecuite. Models 30 and 40 both having rectangular flanges.
- 5.6 Ideal for all A, B & C Magma and masecuites.

"OLD DESIGN" MASCUAL 30 PUMP

- **Heavy Duty, works well under viscous masecuite conditions.**

