



Albany Pumps

ROTARY LOBE PUMPS

Albany Pumps manufacture and supply the well respected and long established range of rotary lobe pumps originally designed and manufactured by Stothert & Pitt. The product has been used in demanding applications in industries such as oil refining, sugar, paint, soap and the production of man made fibres for over 75 years.

CONSTRUCTION

Lobe pumps consist of a pump casing fitted with a renewable liner, an inner and outer rotor and a rotor shaft supported in bearings. The inner and outer rotors are mounted eccentrically to one another. The pumps can be fitted with an integral, full bore, relief valve. If this is not required, the valve facing can be blanked off and a separate relief valve supplied.

DESIGN AVAILABILITY

- 3:4 Rotors
- 7:8 Rotors
- Internal bearing
- External bearing
- Jacketed body for steam or oil heating
- Fully jacketed: covers for steam, oil or electric heating
- Vertical
- Horizontal
- Reversing flow
- Bush bearing
- Ball bearing

Handing can be arranged to suit installation requirements.



MATERIALS

The lobe pumps can be manufactured in various combinations of materials including cast iron, cast steel, aluminium bronze, phosphor bronze, stainless steel etc.

3:4 Lobe pump

Designed for use on high viscosity liquids these pumps operate at low rotational speeds ensuring that the pockets created during pump rotation are completely filled.

7:8 Lobe pump

Designed for use on lower viscosity liquids these pumps operate at synchronous motor speeds which allow the smaller pockets created during pump rotation to completely fill.

PERFORMANCE

Large capacity Rotary pumps for highly viscous liquids. Based on 2500 cst our 3:4 pump offers:

70 – 110 m ³ /hr	Model 6 – 12	8" Branch
120 – 150 m ³ /hr	Model 8 – 12	12" Branch
160 – 200 m ³ /hr	Model 8 – 16	12" Branch
250 – 350 m ³ /hr	Model 11 – 18	14" Branch

Maximum pressure: 30 bars. Maximum viscosity 9 million to 11 million centistokes.

7:8 range for liquids of 2000 centistokes maximum.

at 720 rpm: maximum flow 103 m³/hr

at 960 rpm: maximum flow 120 m³/hr

Quality Assurance to
BS EN ISO 9001:2008



Certificate No. **FM 20986**

ALBANY ENGINEERING COMPANY LIMITED, Church Road, Lydney, GLOS GL15 5EQ

Direct Sales lines: +44 (0) 1594 846204/5/6

Main Tel: +44 (0) 1594 842275

Direct Sales Fax: +44 (0) 1594 845910

e-mail: sales@albany-pumps.co.uk

[www: albany-pumps.co.uk](http://www.albany-pumps.co.uk)

Main Fax: +44 (0) 1594 842574

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