



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
- Steam jacketed body
- Fully steam jacketed
- 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.



DRIVE ARRANGEMENT

For normal applications:

7:8 pumps run at synchronous speed, 4 pole speeds are used on smaller pumps while 6, 8 or 10 pole speeds are used on the large pumps.

3:4 pumps normally run at slow speeds with a gearbox or other forms of speed reducer between the prime mover and the pump.

PERFORMANCE

3:4	Capacity Range:	- 0.3 - 350 m ³ /hr
	Pressure:	- Up to 25 bar
	Viscosity:	- 1500c/s - 250,000c/s
7:8	Capacity Range:	- 1 - 300 m ³ /hr
	Pressure:	- Up to 20 Bar
	Viscosity:	- 10c/s - 2,000 c/s

Quality Assurance to
BS EN ISO 9001:2000



Certificate No. **FM 20986**

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