



Albany Pumps

TWIN SCREW PUMPS

Albany Engineering own the Stothert & Pitt screw pump designs. We make exact replacement pumps & spares in our gear pump factory in Gloucestershire, England.

These heavy duty long life screw pumps give service lives of up to 60 years

DESIGN OPTIONS

SH1 internal bearing for viscous materials
SH2 external bearing for hot or dirty liquids
SH3 internal seal for clean fuels of low viscosity

CONSTRUCTION POINTS

No screw contact by the use of timing gears
Shaft stiffness maximised by the screw design
Hydraulic balance

MATERIALS

All irons, steels, bronzes and stainless steels including Nace and duplex stainless steel.

DRIVES

2 or 4 pole motor speeds for normal duties.
Diesel or gearbox drives for high viscosity or critical shear applications

FEATURES

- Heated body and or covers
- Cooled bearings and or gearcases
- Vertical models save space
- Heating by oil, steam, or electricity
- With or without relief valve
- API 676 compliant



PERFORMANCE

Capacity Range:	10-400 m ³ /hr - standard range 400-1200m ³ /hr - contact sales office for availability	Pressures:	Up to 50 bars
Viscosity:	1-60,000 centistokes	Temperature:	to 260°C
Low NPSH design:	NPSHR is dependent on viscosity and speed and can be as low as 0.5M.		

Quality Assurance to
BS EN ISO 9001:2000



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
Main Fax: +44 (0) 1594 842574

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

TSDP/04

APPLICATION GUIDE:

Albany twin screw pumps are used in a wide range of industrial, marine and offshore applications. These include:-

INDUSTRIAL, OIL EXPLORATION & PETROCHEMICAL

Aircraft refuelling	Fuel Oil	Boiler firing	Railcar loading
Railcar discharge	Crude oil gathering	Lubricating Oil	Vegetable Oil
Bitumen	Slops	Chocolate	Fuel handling (high & low pressure)

MARINE, OFFSHORE AND DOCKS

Lubricating Oil	Fuel Oil, to 70 bars	Cargo pumping:	Crude oil & oil products
Slops	Stripping	Oily water	Sea water, bilge & ballast
Fresh water	Fire foam concentrate	Sludge	

Pump Output details

Table of Outputs and Powers for pumps handling fluids of 1 Centis-toke viscosity (50 Hertz supply)	Pump Size				Pressure (p)	
	Branch Flange		Screw type	Pump speed	6 Bar	
	In	mm			Output (Q) M ³ /h	Power (P) kW
80	3	80	A	1450	10	3.4
	3	80	B	1450	15	4.4
111	4	100	A	1450	31	9.0
	4	100	B	1450	41	11
135	6	150	A	1450	67	18
	6	150	B	1450	92	22
150	6	150	A	1450	88	23
	6	150	B	1450	120	29
170	8	200	A	1450	144	35
	8	200	B	1450	191	43
196	8	200	A	1450	210	52
	8	200	B	1450	278	65
210	8	200	A	1450	273	66
	8	200	B	1450	363	82
235	10	250	A	1450	385	92
	10	250	B	1450	501	113
265	12	300	A	1450	575	129
	12	300	B	1450	753	161

Further models:

The Stothert & Pitt complete range includes -

Lobe pumps to 350 m³/hr capacity

Vertical & horizontal centrifugal pumps to 200m³/hr capacity

Albany gear pumps cover from 1 l/m to 2000 l/m on a wide range of liquids in most materials