



TWIN SCREW PUMPS

Albany Engineering own the Stothert & Pitt screw pump designs. We make exact replacement pumps & spares from the Stothert & Pitt drawings as well as a comprehensive range of standard twin screw pumps.

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

MATERIALS

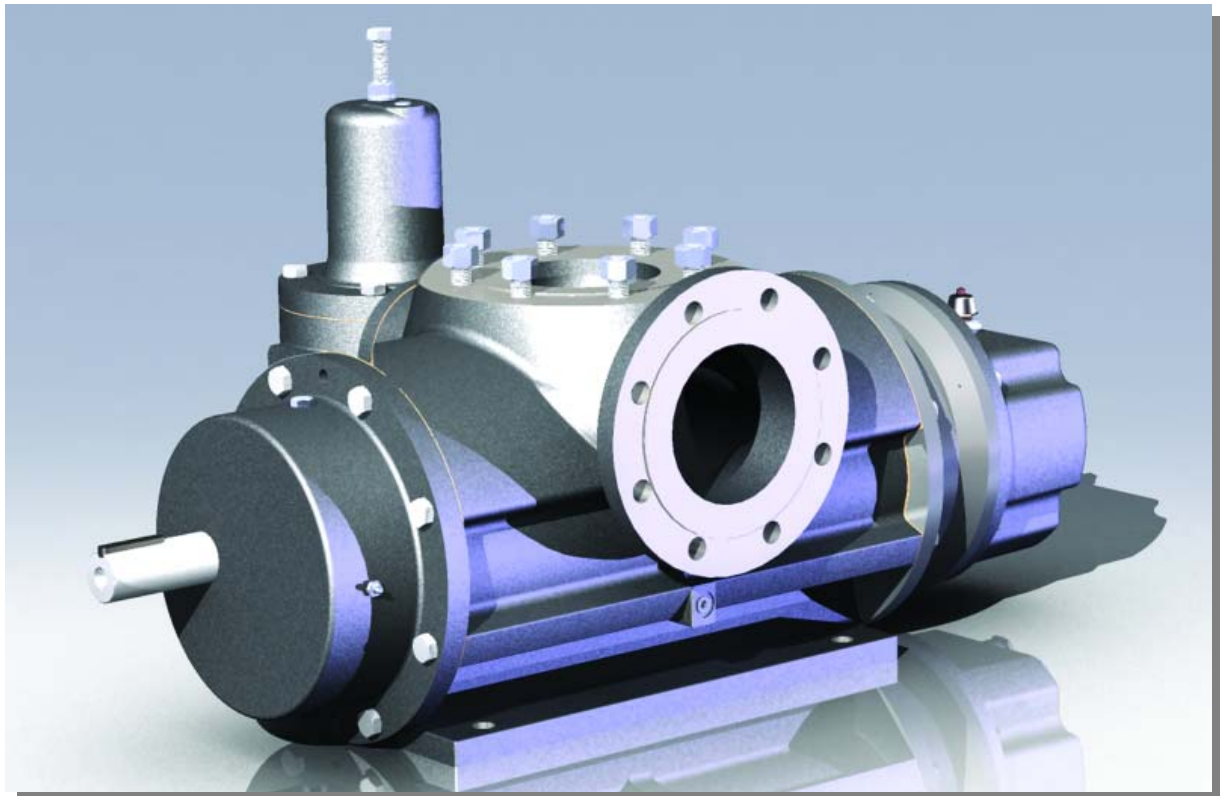
All irons, steels, bronzes and stainless steels including Nace and duplex stainless steel.

CONSTRUCTION POINTS

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

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 m³/hr - standard range 400-1200m³/hr
Viscosity: 1-60,000 centistokes
Low NPSH design: NPSHR is dependent on viscosity and speed and can be as low as 0.5M.
Pressures: Up to 50 bars
[contact sales office for availability](#)
Temperature: to 260°C

Quality Assurance to
BS EN ISO 9001:2008



Certificate No. **FM 20986**

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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 Centistoke 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:

From the Stothert & Pitt ranges:
Internal Lobe pumps with capacities over 350 m³/hr
Vertical & horizontal centrifugal pumps to 200m³/hr capacity

From the Albany pump ranges:
Gear pumps covering 1 to 2000 l/m on a wide range of liquids and in most materials.