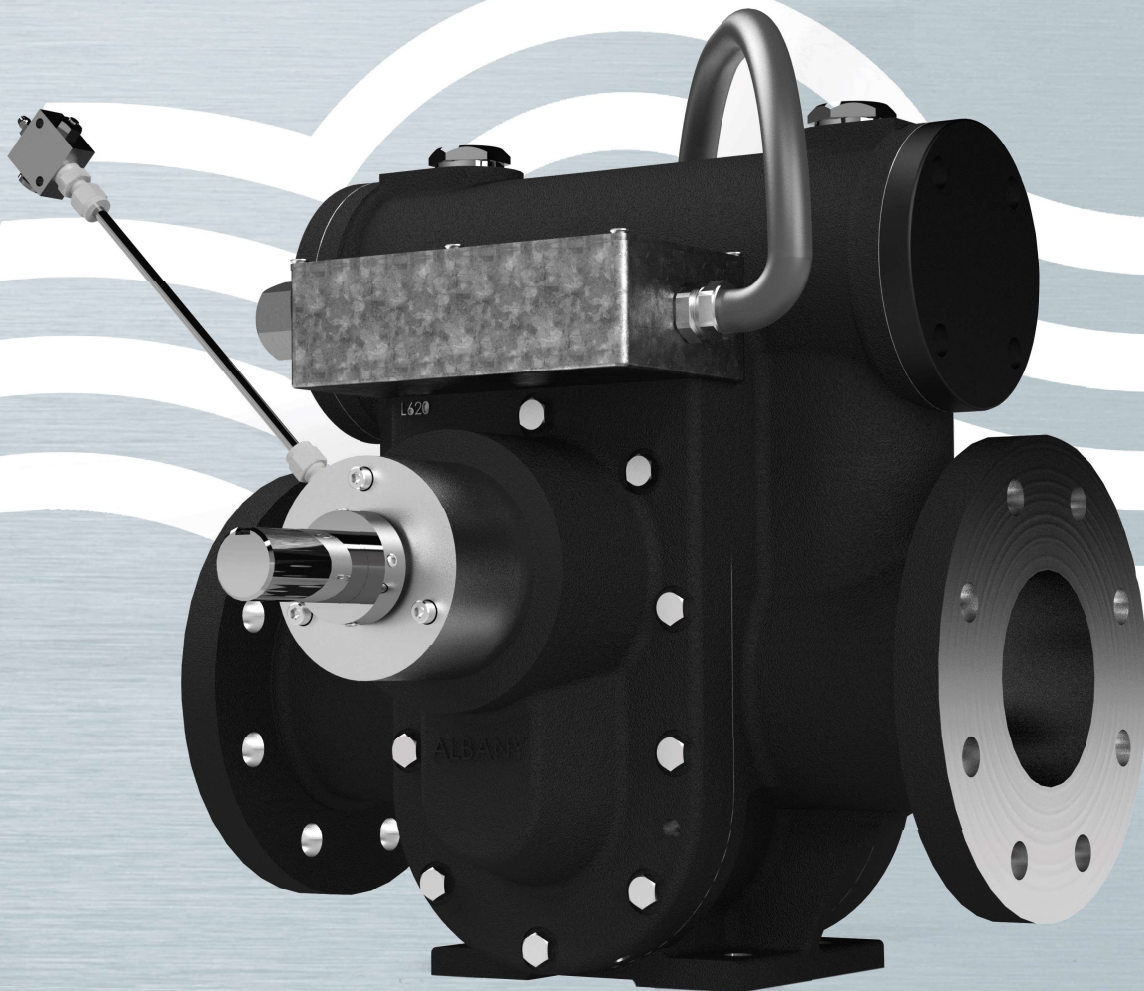
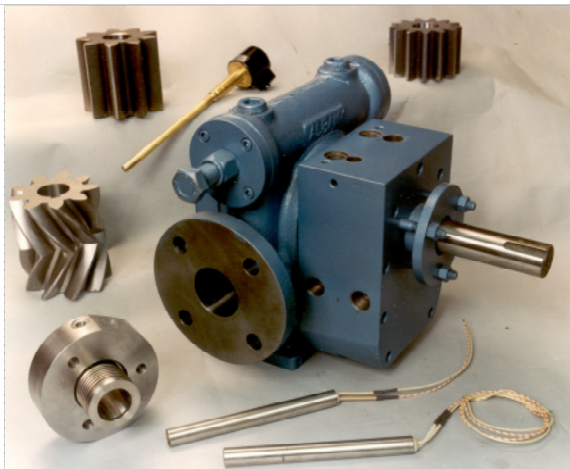


GB: Bitumen Pump

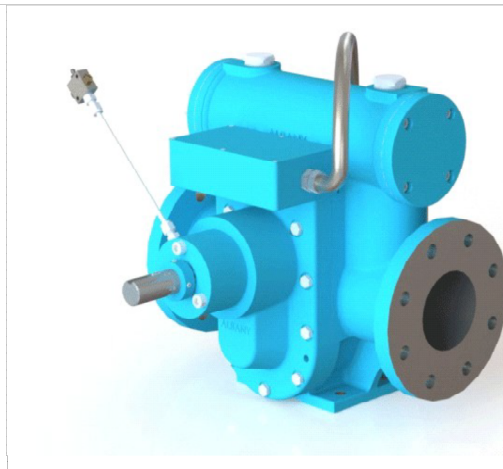


Albany Pumps

G: B Style:



Modular pumps with electric heating system or with facilities for thermal oil heating



Bitumen pump with Albany leak free seal cartridge system with remote greaser for convenient maintenance

Features

- Standard pumps are suitable for temperatures up to 220°C, and pressures up to 10 barg.
- Pump construction consists of cast iron casings and hardened steel shafts.
- As standard, Albany supply our simple leak free seal cartridge system which eliminates wasted product and has environmental benefits.
- DIN PN16 flanges as standard.

Options

- Pumps can be supplied with or without integral relief valves.
- For those that prefer, packed glands are available.
- For more than 220°C, pumps are supplied made from cast steel with special high temperature bearing material. Steel casing pumps can be supplied for lower temperatures if required.
- Alternative inlet and outlet flanges.

Capacity Table – kW stated are at 3 bars & 120-180°C

Pump frame size	Flow in l/m	kW	Flow in l/m	kW	Pump branch size
	at 720 rev/min for applications as 2 below		at 960 rev/min for applications as 1 below		
AP100	136	3	187	4	1½"
HD030	197	4	255	5.5	1½"
HD040	276	5.5	340	5.5	2"
HD050	349	7.5	470	7.5	2½"
HD060	472	7.5	630	11	3"
HD070	581	11	700	11	3"
HD080	717	11	950	15	4"
HD100	948	18.5	1300	22	4"
HD110	1200	22	1600	30	6" inlet 4" outlet

Larger capacities to 300 m³/hr are offered with our twin screw pumps

1. Flooded suction bitumen applications – pumps can be run at 960 rev/min
2. For bitumen with suction lifts (i.e. pump above weigh kettle) and bitumen emulsions pumps should not be run faster than 720 rev/min.

Heating Methods

Albany pumps are of a modular design and can be supplied for:

- Oil or steam heating, or
- Electric heating using 110V or 220V cartridge heaters on single phase supply.
- Engine driven pumps can be heated by the exhaust gases. The hot gas can be passed through the pump casing or through a hot box.

Sealing

Albany have developed a simple leak free cartridge system which eliminates wasted product and has environmental benefits. Correctly maintained seals have been known to exceed five years life. The system uses an extended greasing point which can be mounted outside the lagging box, making it convenient for easy maintenance.

Maximum working pressure 12 barg	Pump size range ½" - 6"	Maximum temperature 220°C	Flow rate up to 1600 L/min
---	--------------------------------	----------------------------------	-----------------------------------

Albany Pumps

G: B and X Style for Triton versions

Applications



EXTERNAL PUMPS: can be foot mounted with horizontal branches or flange mounted with vertical branches as shown for self draining and fast heating.



SUBMERGED PUMPS: we supply vertical immersed pumps with tank-top discharge for horizontal tanks. GS Style.

Refinery Service API 676 Pumps

We supply steam or oil heated gear and twin-screw pumps for duties up to 400m³/hr depending on viscosity and pressure. Seals with a steam quench and water cooled bearings can be supplied depending on the service temperature. We have steel cased pumps in service for up to 280°C temperatures.

Filled Bitumen

Pumps with fully hardened internal faces and contact parts along with special internal bearings are an economical choice on certain applications with filled bitumens. These applications can necessitate the use of bitumen with up to 75% limestone powder content. Carpet backing and clay targets are some examples.

Maximum working pressure 12 barg	Pump size range 1/2" - 6"	Maximum temperature 220°C	Flow rate up to 1600 L/min
---	---------------------------	----------------------------------	-----------------------------------

The logo for The PUMP BPMA industry association. It features the text "The PUMP" in a small, blue, sans-serif font above the large, bold, blue letters "BPMA". Below "BPMA" is the text "industry association" in a smaller, blue, sans-serif font. A stylized blue graphic of a pump handle or a bracket is positioned to the right of the text.

The logo for The PUMP BPMA industry association. It features the text "The PUMP" in a small, blue, sans-serif font above the large, bold, blue letters "BPMA". Below "BPMA" is the text "industry association" in a smaller, blue, sans-serif font. A stylized blue graphic element, resembling a pump handle or a bracket, is positioned to the right of the text.

Albany Pumps

G: B and X Style: for Barclay Kellett versions

PERFORMANCE TABLE AT 300 RPM

Capacity G.P.H.	L/M	Branch Size	Pump Size	kW	Design Options		
					Plain	Jacketed	Integral Relief Valve
600	45	1¼"	1¾/8T	1.1	T	-	-
960	72	1¼"	2½/8T	1.1	T	-	T
1000	75	1¼"	3M/8T RV	1.5	-	-	T
1100	83	1¼"	3½/8T	2.2	T	T	-
1400	105	2"	4¼/8T	2.2	T	T	-
2350	177	2"	22/8T	3.0	T	T	-
3200	241	2½"	224	4.0	-	-	T

Capacities and powers are given for a viscosity of approximately 700 cSt, specific gravity 1.0 and a pressure of 3.5 bars.