

GE: Foam Concentrate Pump



G: Gear type pump range

G: E Style:

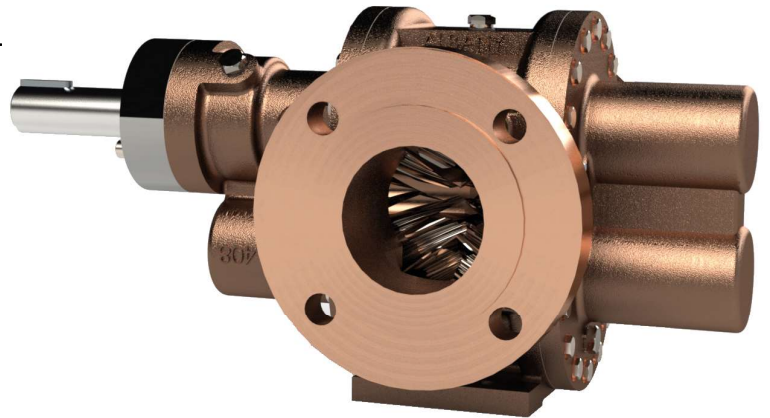


Materials: **CI*** | **GM** | **SS**



Foam Concentrate Pumps

Albany is a market leader in the field of foam concentrate pumps and the GE range is our standard foam concentrate pump: a popular choice for many years in the fire industry. Certain models in our range are VdS certified. The pumps can be run on water for 10 minutes at duty point or for 1 hour total at minimum 1000 rpm, 10 barg maximum. Designed for fixed and vehicle applications, GE style pumps can be supplied as a pump only, or mounted on a baseplate and driven by a prime mover such as an electric motor or a diesel engine. For the ultimate in safety, we offer pumps directly coupled to a Pelton (water) wheel. The latter are popular in offshore and refinery applications.



Albany's 24-page brochure is available as a download at www.albany-pumps.co.uk



* Cast Iron is 2.1 certified

Maximum working pressure 22 barg	Pump size range 1/4" - 4"	Maximum temperature 180°C	Flow rate up to 2000 L/min
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AL Aluminium | CS Cast Steel | CI Cast Iron | GM Gunmetal | HY Hastelloy | NR Ni-resist | NY Nylon | PP Polypropylene | SD Super Duplex | SS Stainless Steel
 General and Chemical | Bitumen | Fire | Dispenser Machines | Food Industry | Lubrication | Marine | Oil & Gas | Refrigeration | Sugar

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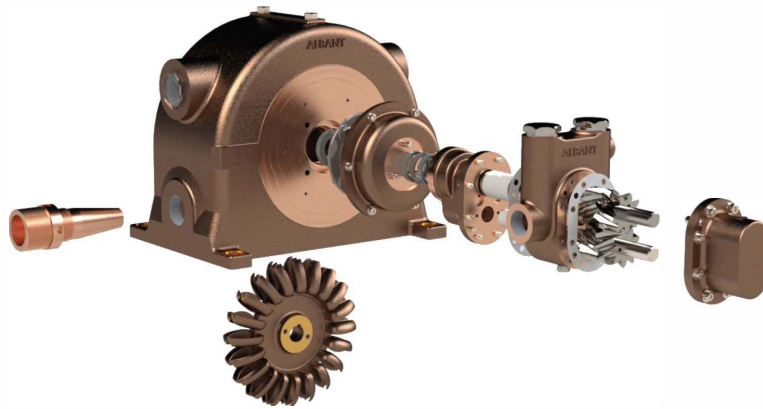
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Albany Pumps

G: E Style:

Foam Pumps for Fire Trucks and Fixed Installations for Pressures up to 22 bar



- Foam Concentrate Injection Pumps
- Foam Transfer Pumps
- VdS Approved Models

Albany specialises in manufacturing foam concentrate pumps for the Fire industry. A wide range of models of gear pumps are available, with many drive and mounting options. Albany's engineering expertise includes a high level of customisation, ensuring that pumps can be supplied to meet the exacting needs of the fire fighting market.

Construction:

PUMP CASING: Gunmetal with cast iron and stainless steel 316 options. Flanges to ASA or DIN standards, Screwed BSP (Female) branches: NPT available to choice up to 1 1/2" size.

ROTORS: Phosphor bronze or stainless steel.

SHAFTS: Stainless steel 316 with hard coatings.

BEARINGS: Product lubricated bush bearings.

RELIEF VALVE: If required mounted in the pump body for internal circulation.

SHAFT SEALING: Lip seals, mechanical seals and packed glands available.

An internal pressure relief system reduces pressure in the seal area.

REVERSIBLE: Flow can be reversed.

CERTIFICATION: 3.1 material certification can be supplied on request.



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Albany Pumps

G: E Style

Performance

Working pressure is up to 22 bar with flow rates typically up to 2000 litres per minute. For larger flow rates, our SA style screw pump is available.

A wide range of viscosities can be accommodated. Please supply details of your foam and viscosity with your enquiry.

Drives

When pumps are fitted to fire tender vehicles, drive is normally from PTO but can be by hydraulic motor or a separate engine. Fixed installations normally use electric motors or diesel engine drives. However, there is an increasing preference for water turbine drives for foam concentrate pumps, which Albany provide with our Pelton Wheel units.

Approvals

Albany holds BS EN ISO9001 approval. World-wide, many installations of our pumps fulfil rigorous test and service conditions. We meet the QA and documentation requirements of the Oil and Gas Industry. Our AP070, AP090 and HD050 pumps are VdS approved for fixed installations.

Testing

All Albany pumps are performance tested to ensure that they meet their specifications.

Thixotropic Foam Concentrates

Albany Pumps will handle thixotropic foam concentrates. Pumps may be run at normal speeds, as the shear rate within inlet and the pump is sufficient to reduce the viscosity. Suction lines should be as short as possible and of generous diameter since some of these liquids have high resistance to flow.

Documentation

Customised documentation can be provided for customers when required.

Spares

Spares are held for all standard pumps. Please contact for details and prices, quoting the serial number stamped on the pump body.

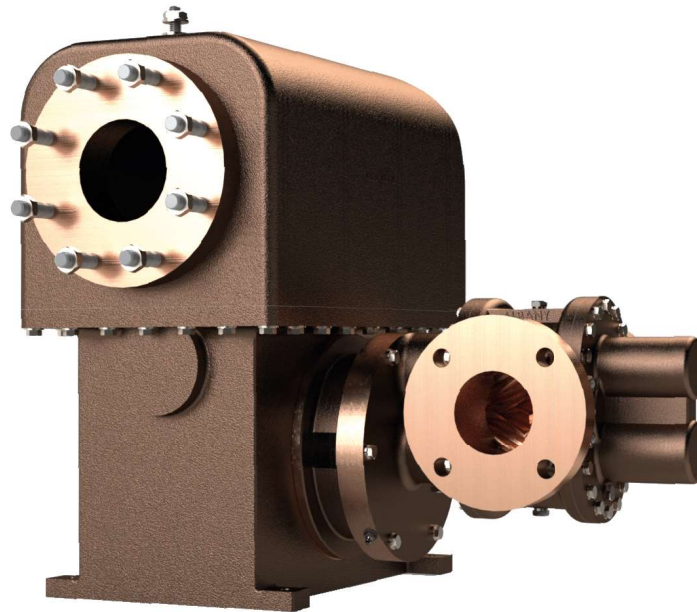


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Albany Pumps

G: E Style:

Water Powered Foam Concentrate Pumps: for use where safety is paramount



There is an increasing preference for water turbine drives for foam concentrate pumps. These offer the ultimate solution for reliability and safety. A small proportion of the main water flow is used to power the Pelton wheel, which in turn powers the foam injection pump. In hazardous areas why install a pump with a hazardous area electric motor when you have to provide a back-up pump with a diesel engine? The simpler and more cost effective answer is to install just one pump: an Albany Foam Concentrate pump with a water powered Pelton wheel drive.

Our Pelton wheel drive pumps are popular off-shore or on Jetties for the Oil and Gas Industry. They are also used on fixed installation in tank farms and refineries, and for ship board fire protection.

Our range of Pelton wheel pumps ranges from AP04 to HD070 pump sizes, supplying typically up to 700 Litres per minute of foam concentrate. We use our own software system for specifying the pump size, speed and water consumption and will work with you to ensure that the Pelton Wheel pump is optimised for your system.

Our AP070, AP090 and HD050 pumps are VdS approved with Pelton wheel drives.

Construction

SHAFT SEALING: Lip seals are standard on all Pelton Wheel Pumps

ROTORS: Phosphor bronze or Stainless steel A304.

Pelton Housing: Phosphor bronze or cast iron.

SHAFTS: Stainless steel 316 with options for hard coatings.

BEARINGS: self lubricating PTFE or Carbon

REVERSIBLE: Pelton wheel pumps are built for one direction only. Either direction of rotation can be specified.