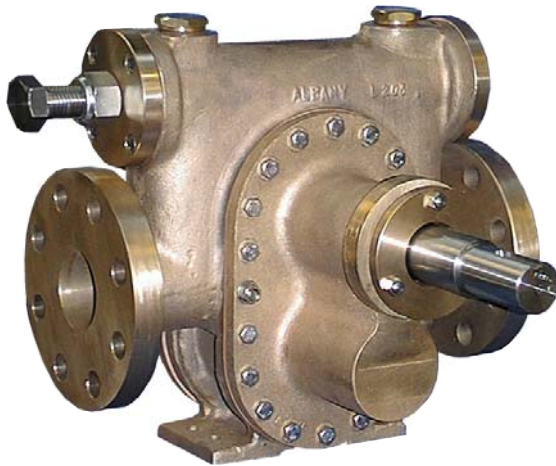


## Foam Pumps for the Fire Industry



- 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.

### FOAM PUMPS FOR FIRE TRUCKS & FIXED INSTALLATIONS FOR PRESSURES UP TO 20 BARS

#### CONSTRUCTION:

PUMP CASING:	Gunmetal, cast iron and stainless steel 316 option. Flanges to ASA or DIN standards, Screwed BSP (Female) branches: NPT available to choice.
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.

- NFPA 20: Albany pumps can be supplied to comply with the latest edition (2013)
- Pumps can run dry for 10 minutes

## where reliability is crucial

Quality Assurance to  
BS EN ISO 9001:2008



Certificate No. **FM 20986**

ALBANY ENGINEERING COMPANY LIMITED, CHURCH ROAD, LYDNEY, GLOS GL15 5EQ U.K.

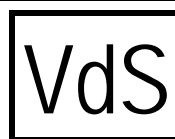
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PUMP SIZE	STANDARD BRANCH SIZE & TYPE	RPM	Example at 16 bar				Example at 20 bar			
			Lit/M	USGPM	kW	HP	Lit/M	USGPM	kW	HP
AP5N2	3/4" BSP 'F'	1420	24	6.4	1.2	1.6	22	5.8	1.5	2
AP5	3/4" BSP	1420	36	9.5	1.4	1.9	30	8	1.8	2.4
AP7N2	1" BSP F	1420	52	13.7	2.3	3.1	42	11	3	4.1
<b>AP7 *</b>	1" BSP F	1420	86	23	5	6.6	81	21.6	5.8	7.8
AP8	1 1/4" BSP F	1420	154	41	7.7	9.6	151	40	9	12
<b>AP9 *</b>	1 1/2" BSP F	1420	190	50	11.2	15	185	49	12.5	16.8
AP10	1 1/2" Flanged	1420	250	67	13.4	18	240	63	16	21
AP11	2" Flanged	1420	315	83	13.5	18	285	75	17	23
HD3	1 1/2" Flanged	1420	350	93	11	15	335	88	13	17.5
AP11.5	2 1/2" Flanged	1420	380	100	18	24	350	92	22.5	30
HD4	2" Flanged	1420	460	122	20	27	440	116	30	40
<b>HD5 *</b>	2 1/2" or 3" flanged	1420	510	134	26	35	500	132	34	46
AP12	3" Flanged	1420	560	148	25	34	520	138	31	42
AP13	3" Flanged	1420	870	228	36	48	800	210	47	63
HD7	3" flanged	1420	1070	282	41	55	1000	262	45	60
HD8	4" Flanged	1420	1340	350	52	70	1300	340	67	89
HD10	4" Flanged	1420	1580	417	62	83	1500	396	70	94
SH2 170	8" Flanged	1450	2000	529	100	134	1666	440	130	174
SH2 196	8" Flanged	1450	3000	790	150	201	2500	660	200	268

\* **AP7, AP9 & HD5** models that are approved by VdS can be supplied for use in stationary water extinguishing systems.



Above flows based on foams of 12-14 cst & S.G: 1.2. Viscosity range 3 cps to 2000 cps can be accommodated, please supply details of foam and viscosity with enquiry.

Flows of 1600 l/m and above can be met from the Albany twin screw pump range.

### • DRIVES

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

### • THIXOTROPIC FOAM CONCENTRATES

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

### • APPROVALS – QA

Albany holds BS EN ISO 9001:2008 approval. World-wide, many installations of its pumps fulfil rigorous test and service conditions. We meet the QA and documentation requirements of the oil and gas industry.

**VdS approval is held for the AP7, AP9 & HD5 families of pumps used on fixed installations.**

### • DOCUMENTATION

Customised documentation can be provided for customers when required.

### • TESTING

All Albany pumps are performance tested to ensure they meet the specification.

### • 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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