

**G: Gear type pump range**

### G: G Style:

### 3.1 Certified oil and gas pumps

The GG range is a robust pump series designed with the oil and gas industry in mind. These pumps are often used in applications where a high system pressure is required.

All materials are certified 3.1 (actual). The pumps can be compliant with API 676 making them suitable for a variety of API applications recognising mechanical seal, potential relief valve and bedplate with drain requirements. Petrochemical bolting options are available for this range. NACE specifications can be provided.

## Features

- Flanges to ASA 150 lb. RF or 300lb. RF, alternately screwed branches with NPT threads for sizes below 1½" diameter.
- Mechanical seals with a throttle bush.
- Optionally a thrust race to absorb any resultant axial forces on the drive shaft from the seal or from hydraulic forces.
- Product lubricated bearings suitable for use with hydrocarbon-based liquids are fitted.
- The bearings are available in two patterns: firstly to approx. 10 barg and secondly to approx. 30 barg both depending on viscosity and severity of service.
- Foot or flange mounting designs are available and the prime mover can be an electric motor or an air motor. Fabricated steel bedplates with drain rim, spacer couplings and spark-resistant coupling guards are supplied.
- If an integral relief valve is required, it is available on all pumps.
- ATEX compliant



Materials: CS | SS



NACE API



**Applications include:**

- Lubrication of turbines and compressors.
- Transfer and pressurisation of fuel oil for burners.
- Solvent service.
- Provision of product for refinery analysis and sampling systems. Offshore oil transfer
- Offshore chemical transfer with 316 stainless steel casings.

Albany's 24-page brochure is available as a download at [www.albany-pumps.co.uk](http://www.albany-pumps.co.uk)



Maximum working pressure <b>60 barg</b>	Pump size range <b>1½" - 4"</b>	Maximum temperature <b>220°C</b>	Flow rate <b>25-1400 L/min</b>
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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

**www.albany-pumps.co.uk +44 (0) 1594 842 275**

## Head Office and Manufacturing Centre

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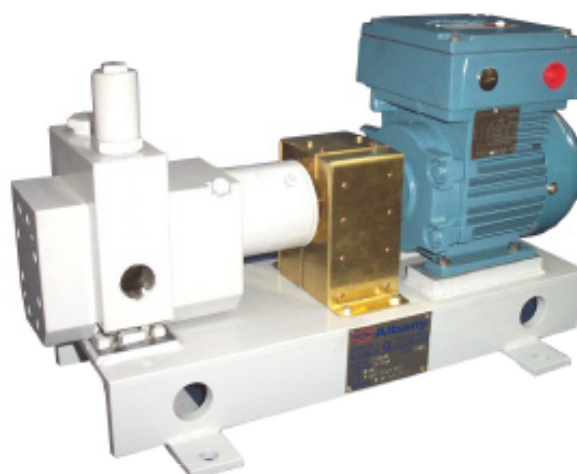
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## Albany Pumps

### G: G Style:

#### PERFORMANCE – powers and flows typical for 3.5 BARg

Pump Frame Size	95% of Theoretical output Litres/rev	Maximum viscosity 3,000 centistokes 500 RPM		Maximum viscosity 2,000 centistokes 720 RPM		Maximum viscosity 1,200 centistokes 960 RPM		Maximum viscosity 750 centistokes 1420 RPM	
		L/min	kW	L/min	kW	L/min	kW	L/min	kW
AP040	.0194	9.5	.37	13.9	.37	18.6	.37	27.7	.56
AP050	.031	15.5	.37	22.3	.56	30.0	.55	44.0	.75
AP060	.0434	21.4	.56	32.3	.75	42.7	.75	63.6	1.1
AP070	.0687	35.5	.75	50.0	1.1	65.9	1.5	97.7	2.2
AP080	.108	54.1	1.5	80.9	1.5	107.7	2.2	159	3
AP090	.162	80.9	1.5	117	1.5	156	2.2	230	4
AP09W	.213	104	3.0	154	3.5	208	4.0	313	6.5
AP100	.195	100.5	2.2	145	3.0	187	4.0	277	5.5
HD030	.273	136	4.0	197	4.0	264	5.5	390	7.5
HD040	0.386	195	4.1	277	5.6	368	7.5	520	8.5
HD050	0.491	245	5.6	350	7.5	473	7.5	650	9.5
HD060	0.62	310	7.5	445	7.5	600	11.2	880	14.0
HD070	0.805	405	7.5	582	11.2	773	11.2	REFER TO WORKS	
HD080	1.00	509	11.2	718	11.2	955	14	REFER TO WORKS	
HD100	1.32	618	11.2	950	15.0	1273	22.4		
HD110	2.09	1045	16.0E	1500	22.0E	2000	31.0E		
HD120	3.0	1364	18.6	Maximum speed 600 rpm					



High suction pressure (63 bars)  
crude oil sampling pump.  
Model AP070.

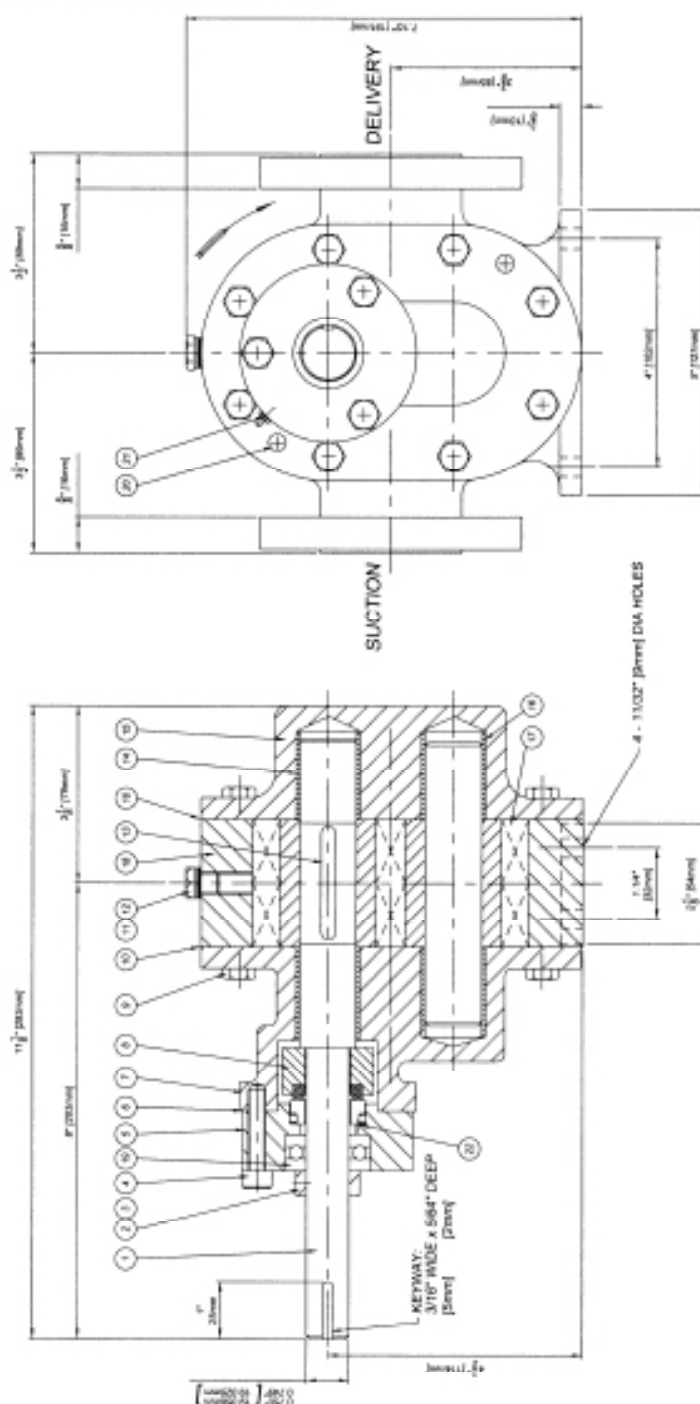
Maximum working pressure <b>60 barg</b>	Pump size range 1/2" - 4"	Maximum temperature 220°C	Flow rate 25-1400 L/min
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# Albany Pumps

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### Typical Drawing and Parts List for Albany Carbon Steel Gear Pump to API 676 SPECIFICATION

IF IN DOUBT ASK



SUCTION & DELIVERY BRANCHES FLANGED 1.14" ANSI 150 LBS RF  
5" (127mm) DIA WITH 4 x 5/8" (32mm) DIA HOLES ON 3.78" (96mm) P.C.D  
RAISED FACE: 2.78" (70mm) DIA x 1/16" (2mm) HIGH

Sample Collected: 10/10/2015

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