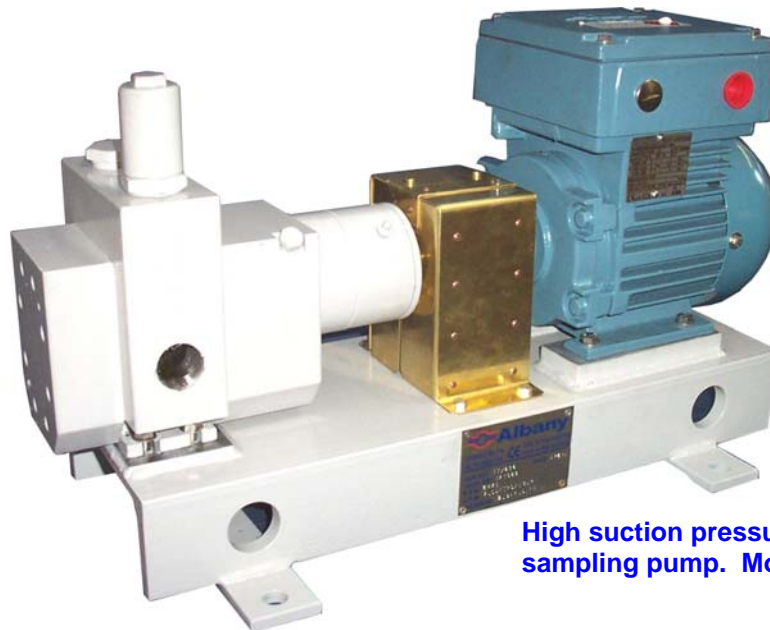




# Albany Pumps

## Steel Gear Pumps for the Petrochemical Industry

WE MEET THE REQUIREMENTS OF **API 614**, **API 676** AND RELATED SPECIFICATIONS.



High suction pressure (63 bars) crude oil sampling pump. Model AP7.

### 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.
- These bearings are available in two patterns: firstly to approx. 150 psi depending on viscosity and severity of service, secondly to approx. 400 psi with the heavy duty pattern.
- 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.
- There is a 'return to tank' option.
- ATEX compliant

### 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.

Quality Assurance to  
BS EN ISO 9001:2008



Certificate No. **FM 20986**

**THE ALBANY ENGINEERING COMPANY LIMITED, Church Road, Lydney, GLOS GL15 5EQ**

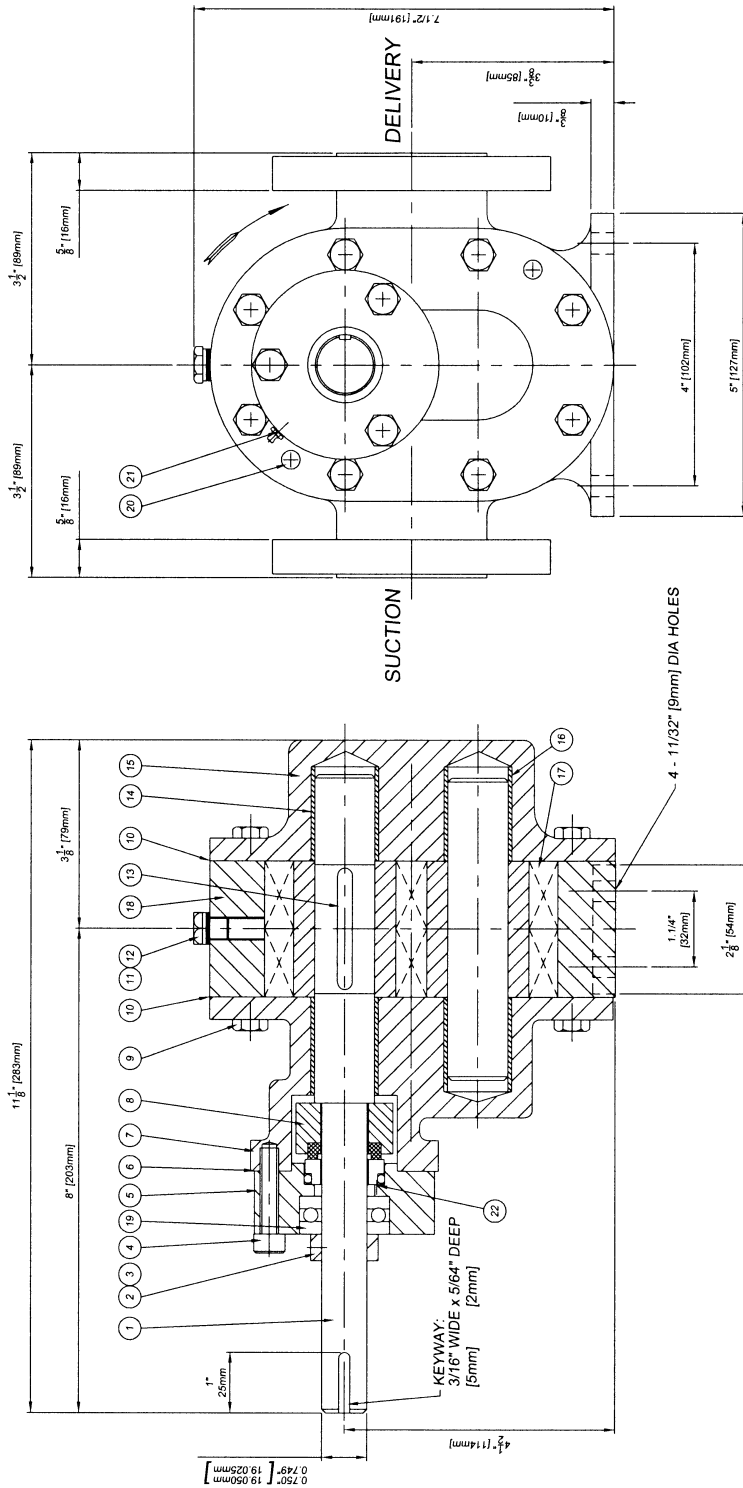
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**CST1/08**

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

IF IN DOUBT ASK



SUCTION & DELIVERY BRANCHES FLANGED 1.1/4" ANSI 150 LBS RF  
5" [127mm] DIA WITH 4 x 5/8" [16mm] DIA HOLES ON 3.78" [98mm] P.C.D  
RAISED FACE: 2.7/8" [73mm] DIA x 1/16" [2mm] HIGH

ITEM No.	DESCRIPTION	MATERIAL	Qty
1	DRIVING SHAFT	NITRALLOY	1
2	COLLAR	MILD STEEL	1
3	GRUBSCREW	2BA x 3/16"	2
4	S.H.CAPSCREW	5/16" UNC x 1.38"	3
5	CLAMPING PLATE	MILD STEEL	1
6	GASKET	21698	1
7	FRONT COVER	STEEL	1
8	MECH SEAL	CRANE T2 3/4" BRT1	1
9	SETScrew	5/16" UNC x 3/4"	16
10	GASKET	27288	1
11	PLUG	1/4" BSP	SET
12	FIBRE WASHER	MILD STEEL	1
13	KEY	1/4" x 3/16" x 2"	1
14	BUSH	16DU24	4
15	BACK COVER	7037	1
16	FOLLOWING SHAFT	27369	1
17	ROTOR	26334	2
18	BODY	22024	1
19	THRUST RACE	L7344	1
20	DOWEL	5/16" DIA x 1"	4
21	LUBRICATOR	1/8" BSP	1
22	ANTIROTATION PIN	3mm x 5mm	1
23			
24			
25			

PUMP DRAWN: TOP DRIVE/CLOCKWISE

Notes:  
JOB No. 9/001

Rev.	Rev. Date	Drawn	Approved	Sheet	Particulars of Alteration
1	11/6/92	DM		FIRST DRAWN	

Material:	Approx. Weight:
Machine:	15KG
Pattern:	
Limits ±0.005"	
Dimensions in inches	
Drawn 1st angle projection.	

**Albany pumps**  
LYDNEY, GLOUCESTERSHIRE, ENGLAND  
WWW.ALBANY-PUMPS.CO.UK

Drawn by: DC  
Date: 28/2/03  
Scale: 1:1

Description:  
SECTIONAL ARRANGEMENT  
API MECHANICAL SEAL PUMP WITH THRUST BEARING

Drg No. **29904** Iss. No. **1**