



# Albany Pumps

## CENTRIFUGAL PUMPS

Albany Pumps manufacture and supply the well respected and long established range of centrifugal pumps originally designed and manufactured by Stothert & Pitt.

### CONSTRUCTION

Horizontal and Vertical Centrifugal Pumps consist of a rotating element with a bearing bracket and casing which, by use of a spacer coupling, easily removable as a complete module for ease of maintenance without disturbing either the driver or suction and delivery pipework. Tank mounted pumps have intermediate bearings between the headstock and the impeller, the number of which depend on the overall length of the shaft.

### DESIGN AVAILABILITY

- Horizontal close-coupled
- Horizontal spacer-coupled
- Vertical close-coupled
- Vertical spacer-coupled
- Tank top mounted with separate discharge pipe
- Tank top mounted with discharge through support column
- Tank top mounted pumps to API 610

### SPECIFICATION / MATERIALS

The range of centrifugal pumps are based on the metric design standard BS5257. The pump can be manufactured in various combinations of materials from cast iron, steel and stainless steels. Materials to NACE specification are available.

### Horizontal and Vertical Pumps

Close-coupled or spacer-coupled, the pumps can be provided as non-self priming or with vane type primers if required.

### Horizontal and Vertical Pumps

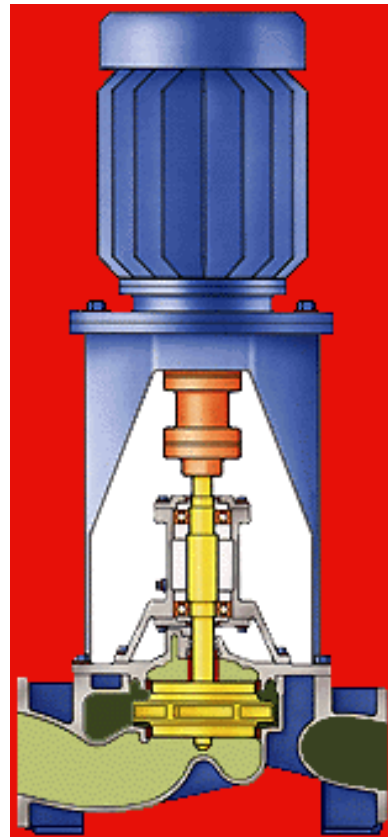
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### Separate Discharge Tank Top Pumps

The pump bowl is mounted at the bottom of a support column with a separate discharge pipe connected to the mounting flange. Intermediate bearings are lubricated either by the fluid being pumped or by a separate lubricating system.

### Integral Discharge Tank Top Pumps

The pump bowl is mounted at the bottom of a support



column through which flows the discharge fluid. The intermediate bearings are lubricated by the fluid as it passes up the column.

### DRIVE ARRANGEMENT

The pumps run at 2 or 4 pole electric motor speeds, either 50Hz or 60Hz and are therefore suitable for direct coupling to the motor. In special cases where emulsification of the liquid is undesirable, 6 or 8 pole speeds can be used provided that only a low head is required.

### PRIMING EQUIPMENT

Positive displacement primers are used on vertical and horizontal pumps. Generally arranged for automatic operation, the primer is a vane type which is engaged at initial start to prime the pump or when the pump loses prime due to vapour ingress. Once the pump is primed, the primer drive is automatically disengaged by a pressure diaphragm, eliminating the release of any vapour to the atmosphere.

### PERFORMANCE

Capacity Range - up to 300 m<sup>3</sup>/hr  
Head: - up to 140m

Quality Assurance to  
BS EN ISO 9001



Certificate No. **FM 20986**

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