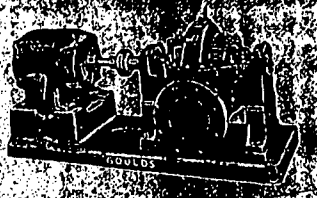


GOULDS

CENTRIFUGAL PUMPS



12 pages of facts about a NEW LINE of 19 pumps

The quickest way you can really discover what the new Goulds Fig. 3405 centrifugal pump can do for you is to read the descriptive bulletin pictured above.

Here are some hints of what you'll find:

The quality of materials and extras of design that you have been able to get only by paying extra are standard on this new pump: stuffing box bushings, stainless steel impeller keys, Teflon water seal rings—to mention a few.

The Fig. 3405 carries interchangeability of parts far beyond anything we've been able to do be-

fore. Only three shaft and rotating parts assemblies (exclusive of impellers and wearing rings) provide for 19 pump sizes.

This means real spare parts inventory savings for any plant that uses many pumps. It also means easy-to-make field changes to meet new requirements.

We've come as close as modern design and materials allow to putting into this new pump what our industrial customers have told us they want. The 12-page illustrated bulletin tells you all about it. We'll be glad to send you a copy.

To get a copy of Bulletin 721.6, get in touch with the nearest Goulds representative or just fill in the coupon, pin it to your letterhead and mail it to us at your convenience.



GOULDS PUMPS, INC.
Dept. P.O., Seneca Falls, N.Y.
Please send me 12-page Information Bulletin No. 721.6 on the new Fig. 3405 centrifugal pump.

Name _____
Company _____
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City _____ Zone _____ State _____

More TECHNICAL BRIEFS

the decorative and protective finishes are considered. For most large plants the decorative function of painting plays a more important role in maintaining good employee and company relations than is recognized normally.

Graphic analysis of long-term economics indicates that maintenance coatings in their best condition mean costs less than allowing them to deteriorate before repainting. On atmospheric corrosion data and analyses of painting practices recommended as maintenance dollar savings.

Atmospheric corrosion varies with specific environment. At Froham, England, the corrosion of coupons was approximately 100 times as high as at Khartoum, Egypt. What are the factors responsible? First, we say that moisture plays a very important role. The percentage of time that steel is wet by dew or rain is conceded to be one of the controlling factors. At Khartoum, where the fall averages about 3 in. per year where the relative humidity is about 70 per cent, unprotected steel is said to retain a polish for as long as a year when exposed outdoors. This is understandable, but most refineries are located so favorably.

The second—and probably the most significant—factor that controls atmospheric corrosion is air contamination. The effect of air-borne salt spray is demonstrated by the data for Key Beach, N. C., and for Congella, South Africa. The effect of sulfur dioxide, carbon particles and other industrial and urban atmospheric contaminants is illustrated by the data for Pittsburgh, Pa., and for Sheffield and Frodingham, England. Atmospheric corrosion is highest in such environments.

Third: Temperature has a small, though significant, effect on atmospheric corrosion. In arctic regions such as Abisko, Sweden, corrosion is slight. Even though relative humidity may be high at such locations, absolute humidity is low. This hinders corrosion. Also, corrosion, like other chemical reactions, is slowed down by low temperatures.

There are many other factors which influence atmospheric corrosion. Latitudes and others have pointed out that the precise composition of the metal is significant. API Paper, no number.

Cooling Towers

Deterioration of Redwood Cooling Towers. By Roy V. Comeaux, Humble Oil and Refining Co.

The mist eliminator section of a redwood cooling tower failed at Humble.

6 REASONS WHY...

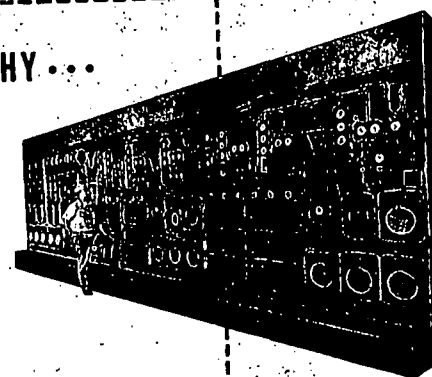
PANELLIT is the largest builder of process control panels

1 SPECIALIZED ENGINEERING... combining instrumentation and process experience, PANELLIT provides sound and economical engineering as a part of their service.

2 ADVANCED STANDARDS OF CONSTRUCTION... have distinguished PANELLIT in every detail of structure, finish, piping, terminal arrangements and serviceable behind-the-panel layouts.

3 PIONEERING CONCEPTS OF INSTRUMENTATION... the graphic control panel, miniature instrumentation, unitized annunciator systems, scanning and monitoring devices... all have been closely associated with PANELLIT.

4 ORGANIZATIONAL FLEXIBILITY... Few process control panels are ever shipped without changes. When "change orders" are received, PANELLIT moves quickly to carry them out... without confusion... without delay. Where others take weeks, PANELLIT takes hours.



5 THE ONE MAN PLAN... makes PANELLIT easy to work with. One project engineer stays with your job. There are no "pass along instructions" or "round about authority".

6 INFORMATION SYSTEMS... an advanced PANELLIT concept of the control panel has resulted in better process control. An information system filters information for the operator to know... and presents it in a manner that he may act quickly and instinctively. Write for complete information.



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