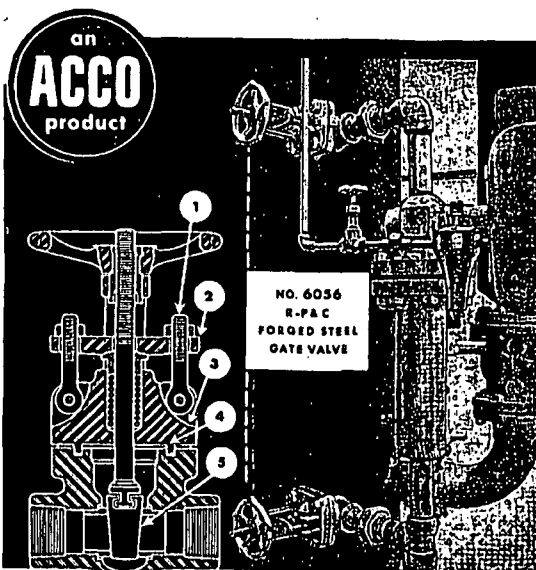




1 Stainless steel bolts and nuts. 2 Two-piece gland and follower.
3 Bolted bonnet. 4 Tongue and groove joint.
5 Hardened wedge, chrome plated.

Why Gas Absorption Plant Chose These R-P&C Valves

• Because of the plant's isolated location the engineers felt they should standardize on a type of valve which could be used on different lines even though chemical solutions, temperatures, and pressures varied. The No. 6056 R-P&C Forged Steel Gate Valve proved to be the answer for several reasons.

First of all it has a pressure range from 380 lbs. at 1000° F., up to 2000 lbs. at 100° F. Then with its chrome stainless trim and chromium plated disc, it has high resistance to corrosion. On top of this, it's easy to service with its stainless steel gland bolts, and two-piece gland and follower.

Best of all, although the R-P&C Forged Steel Valve is premium quality it is NOT premium priced. It comes in sizes from 1/2" to 24" with screwed or welded ends. If you use valves in these sizes, see your R-P&C distributor today or write our Reading, Pa., office for literature.

ACCO



R-P&C VALVE DIVISION
AMERICAN CHAIN & CABLE

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San Francisco, Bridgeport, Conn.

R-P&C
valves

MARMADUKE

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post with such a crash that the propeller evidently bent out like a bow and that propeller the hell back where it came from. Only this time the propeller rested a good inch further up on the taper than it had before. And if it hadn't swung from that steel cable, it would have crashed to the dry dock.

"Removing that propeller this time was another story," wound up Marmaduke. "So take my advice. Any time you heave the anchor on machinery you're giving it a chance to shove at you. Be mighty sure you stand by to keep it under control."

"In this case," roared Marmaduke, turning back to his desk, "All the yard foreman had to do was ease the nut a few threads, instead of removing it in the way."

PROPORTIONING PUMP

Continued from page 101

pump speed in proportion to fluid flow through line. With a 25-psi power source, chemicals are discharged at about 100 psi; with a 100-psi source discharge is at about 900 psi. Capacities range from 0.1 to 0.23 gpm at 12 strokes per min.

Power-Driven Unit. The motor-driven variable-stroke pump, Fig. 5, has a free-floating plunger P, ranging in diameter from 1/4 to 1 in. with stroke adjustable from 0 to 2 in. It runs at speeds up to 60 strokes per minute, pressures to 4000 psi.

Pump has a cylindrical crosshead driven by a connecting rod and constant throw crank. Stroke adjustment is made by sleeve S, threaded into the crosshead and onto drive-rod D. Screwing the sleeve into or out of crosshead decreases or increases length of plunger's stroke by changing the lost motion at A between drive rod and sleeve heads.

Thrust from connecting rod to crosshead is taken by a ball-bearing roller riding on a track not shown. Crank turns clockwise so connecting-rod power thrust is downward on this bearing during each discharge stroke. This leaves crosshead free so stroke length can be adjusted while pump runs.

Pump without motor drive may be installed as a linkage-driven unit. Installation is made by connecting pump drive rod direct to the crosshead arm of a reciprocating pump, or to any machine having a reciprocating or oscillating movement.

Adjustable-Stroke Unit. Fig. 6 is a cross section through a motor-driven pump whose stroke is adjusted at its



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