

and pumps come in sizes from $\frac{1}{4}$ and 1 in. for capacities from 1 to 12 gpm, according to pump speed and pressure. Eco Engrg Co, 12 New York Ave, Newark, 1, N. J.

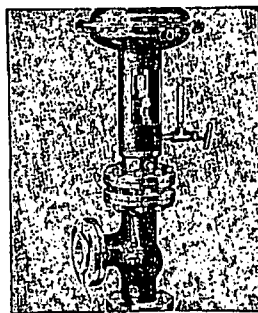
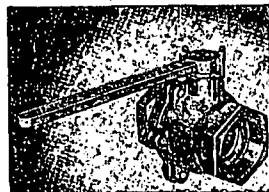
R11 TOP-SUCTION PUMP—Designed to prevent water pressure from breaking shaft oil seal, this air-operated sump pump has top suction. When pump is not in operation, oil seal is subjected to static pressure only from depth of submergence in sump. Pump is operated by vane-type air motor. When pump operates, water cannot reach oil seal on air motor. Closed impeller is made of hard abrasion-resistant alloy. A built-in oiler lubricates all pump's moving parts. Oil chamber has one quart capacity for 24-hr normal operation. Pump is lightweight and has welded-on handles that assure easy lifting and moving from place to place. Gardner-Denver Co, Quincy, Ill.

VALVES

S1 PLUMBING FIXTURES—Feather-touch line of plumbing fixtures eliminates metal valve seats, washers or ordinary packing. Instead of conventional metal seats or washers, these valves use two O rings of special synthetic rubber, which are impervious to extremes of heat and cold. Stem wipes clean as it closes to provide good drip-proof service. H B Salter Mfg Co, 10 Main St, Maryville, Ohio.

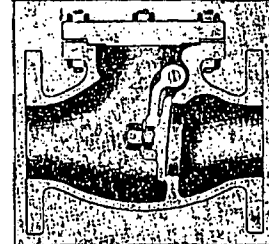
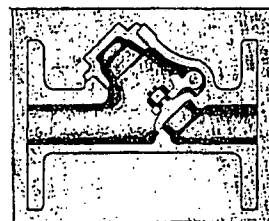
S23 REGULATING VALVE—Air Warden automatic pressure-regulating valve is for use on initial or primary air pressures up to 150 psi, and can be set to maintain reduced pressures ranging from 125 to 5 psi. Valve has built-in fine-mesh bronze strainer, instrument-type control knob for pressure adjusting, nylon valve seat, textile reinforced synthetic rubber diaphragm, and built-in pressure gage. Produced in two models: Model RD-1 for $\frac{1}{4}$ -in. piping, and RD-2 for 1-in. connections. Hannifin Corp, 1101 S Kilbourne Ave, Chicago 24, Ill.

S24 BALL VALVE—Rockwood valve is for service on pipelines where full flow, tight seal and quick opening or closing is desired. Floating ball in combination with resilient synthetic-rubber seat allows abrasive particles to be wiped clear of seating surface without injury to ball or seat. Rockwood Sprinkler Co, 38 Harlow St, Worcester, 5, Mass.



S4 CONTROL VALVES—Venturi-flow diaphragm-control valves incorporate venturi throat which insures optimum in streamline flow characteristics. Valves designed primarily for high-pressure applications. Hammel-Dahl Co, 243 Richmond St, Providence, 3, R. I.

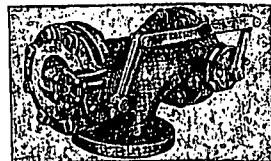
S19 SWING CHECK VALVE—Corrosion-resistant swing check valves, in sizes from $\frac{1}{4}$ to 6 in., are made in both 18 and 8 Mo alloy steel and Monel. Valves recommended for liquid or gas working pressures up to 150 psi and for maximum temperatures of 350 F. Crane Co, 836 S Michigan Avenue, Chicago, Ill.



S8 ATMOSPHERIC REGULATOR—Series 18 soft-seat regulator features tight shutoff when demand for gas flow ceases, by using soft, synthetic rubberized facing

on regulator valve head. Made in capacities up to 16,000 and 19,000 cu ft per hr of natural gas and manufactured gas, respectively. North American Bfg Co, 4455 E 71st St, Cleveland, 5, Ohio

S22 BUTTERFLY VALVE—Wafar 8-way butterfly valve built to meet any specific condition as to size, control arrangement, operating temperature and material of construction. Unit consists of two butterfly

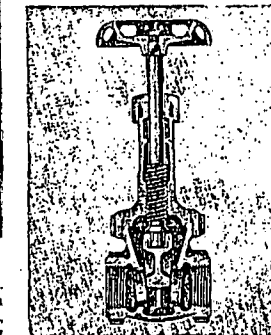


valves and a tee with valves interlocked so that closing one valve opens the other. Valve may be lever or handwheel operated. Can be built for pressures up to 100 psi and temperatures to 1800 F. W S Rockwell Co, 200 Elliot St, Fairfield, Conn.

S2 SOLENOID VALVE—New solenoid valve is compactly built for all hydraulic systems, or for handling any non-corrosive fluid. Unit has maximum working pressure of 3000 psi and electrical requirements of 6, 12, 24 or 36 v dc, with current consumption of 2.3 amp at 12 v. Waterman Engrg Co, 521 Custer Ave, Evanston, Ill.

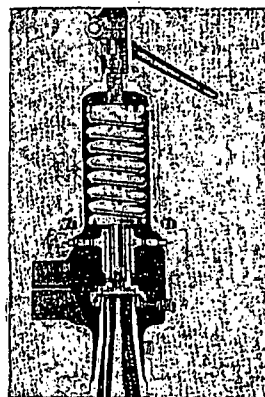
S7 GATE VALVES—Reinstatement of line of *No-Resist*, cast-iron gate valves, discontinued during war, announced. Valves have wedge disk, outside screw and yoke, and come with screwed ends in sizes from $\frac{1}{4}$ to 2 in., and with flanged ends from 1 to 8 in. Crane Co, 836 S Michigan Avenue, Chicago, Ill.

S11 GATE VALVE—Bronze gate valve, Fig. 270-U, for 200-psi service, has high-tensile bronze wedge seating against *Monel* seat rings. These rings have hardness of about 21 times that of valve body bronze. Wear is taken by the wedge, which can be



replaced by slipping it off the stem and inserting new one. Valve available from $\frac{1}{4}$ to 2 in. Jenkins Bros, 80 White St, New York, 13, N. Y.

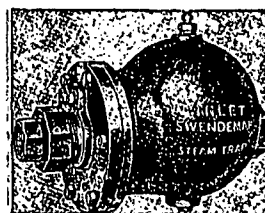
S16 SAFETY VALVE—Type 2600 unit constructed of cast steel with stainless-steel trim. Nozzle body is of long-neck construction to permit proper nozzle flow without restriction. Maker states that



capacity of this valve has been certified by actual tests at National Board of Boiler and Pressure Vessel Inspectors' Laboratories. Farris Engrg Corp, 453 Commercial Ave, Palisades Park, N. J.

S10 PACKLESS VALVES—Diaphragm unit is combined shutoff and check valve. Comes in $\frac{1}{4}$ -in. size. Air Reduction Sales Co, 60 East 42nd St, New York 17.

S17 STEAM TRAP—Swendeman trap operates on float-valve principle, and is designed for easy attachment to steam lines from $\frac{1}{4}$ to 2 in. Body and head are of high-

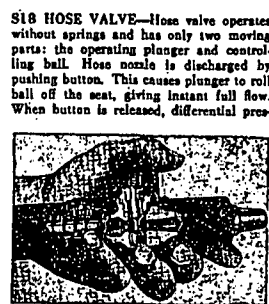


quality semi-steel, with all parts being readily accessible. Leavitt Machine Co, Orange, Mass.

S13 MULTI-WAY VALVES—Two, 3- and 4-way valves are for use with company's gear pumps. Some designs have integral relief valves to control system pressure and neutral position to unload

pump between operating cycles. Aero Equipment Corp, Bryan, Ohio.

S14 DIAPHRAGM VALVE—Hills-McCanna Saunders patent valve now available in corrosion-resistant alloys. *Duriron* resists sulphuric, nitric and acetic acids, while *Durichlor* is recommended for all concentrations of hydrochloric acid at temperatures below boiling point. *Duriron* Co, Dayton, 1, Ohio

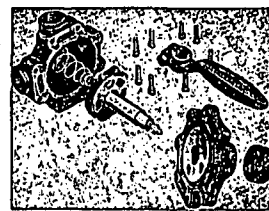


sure forces the ball into valve throat, closing valve and raising pushbutton plunger. Paul Valve Corp, 683 Third Avenue, New York, N. Y.

S9 REGULATING VALVE—New design features in Class DL and DLS diaphragm-regulating valves include *Condens-Seal* cooling bonnet with a stainless-steel radiating tube. Also includes condensate reservoir for steam service to protect packing gland at temperatures above 450 F. Suitable for steam pressures up to 600 psi and temperatures up to 800 F. Leslie Co, 5 Delaware Ave, Lyndhurst, N. J.

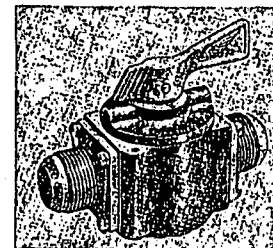
S12 GATE VALVE—Union bonnet gate valve constructed of bronze and has double-disk union bonnet. Has rising stem and screwed ends, and is rated at 200-psi SP. Companion valve, Fig. 2229, has flanged ends, is rated at 150-psi SP. Both available in sizes from $\frac{1}{4}$ to 3 in. Lunkenheimer Co, Cincinnati, 14, Ohio

S5 LUBRICATED VALVES—*Unitite* valves, for air and hydraulic lines, have been redesigned to incorporate new protective dust seal. Seal consists of *Neoprene* skirt mounted on valve stem underneath



the handle. This airtight bonnet boss snugly, thus protecting working parts from dirt. Hanna Engrg Works, 1765 Elston Ave, Chicago, 22, Ill.

S6 SELECTOR VALVES—Series of non-lubricated selector and shut-off valves available for handling air, gas or hot liquids up to 400 F. and at non-shock pressures up to 500 psi. Valves constructed



in variety of metals with nonlubricated rotors of inert graphite. Can be furnished for hand or electric-motor operation. Parker Appliance Co, 17235 Euclid Ave, Cleveland Ohio

S21 STEEL VALVES—Available in all types, 600-psi valves can be safely and easily packed under pressure, maker says. All flanges forged as integral part of body and all bonnets forged in one piece. In globe, angle and lift-check valves, seats are threaded and screwed into bodies and can be easily removed and replaced. All disks are of the swivel or loose type and are fastened to stem with disk stem ring.

