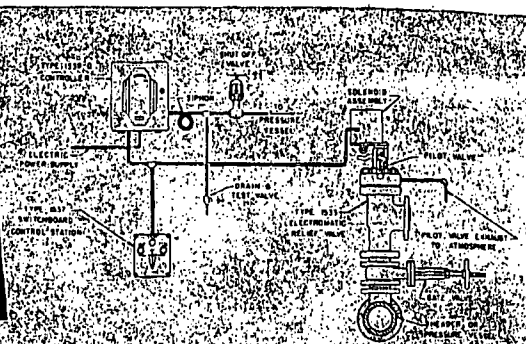


THIS IS THE
**CONSOLIDATED
ELECTROMATIC
RELIEF VALVE SYSTEM**

THIS IS WHAT IT
GIVES YOU

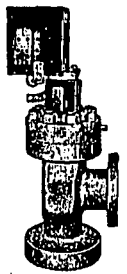


1. More accurately balanced valve operation at peak loads
2. More uniform line pressure
3. Power conservation
4. Less maintenance of spring loaded safety valves
5. Greater protection against overheating your superheater
6. Increased efficiency for your steam generating plant

Automatic, electrically actuated, the Consolidated Electromatic Relief Valve can be set for a differential of 1% or less between opening and closing pressure; relieves pressure precisely within close limits. The valve is operated by a solenoid actuated by a pressure-sensitive element or switch. For automatic or manual service or to cut the valve out of service, just set the switch. Cycle action is practically instantaneous. Valve operation is not affected by high superheat temperatures or other variables. Manual operation of any pressure assures positive circulation through the superheater and greater steam flows during start-up periods than the vent valves normally provide. Danger of burning superheater tubes is minimized under all conditions of service.

You can also use the Consolidated Electromatic as a superheater surge vent or to purge a superheater or header — reduce the possibility of damage to the seats of regular valves and turbine equipment.

Greater efficiency and economy is a "must" in the steam generating plant. That is why the Consolidated Electromatic Relief Valve is important to you. Get complete construction, installation and operating details. Write today for Bulletin 720.



**CONSOLIDATED
ELECTROMATIC
RELIEF VALVE**
Sizes:
2 1/2", 4", 10", 14"
Pressures:
Up to 3500 p.s.i.
Temperatures:
Up to 1100° F.
Standard Connections:
A.S.A. flanged and welded.

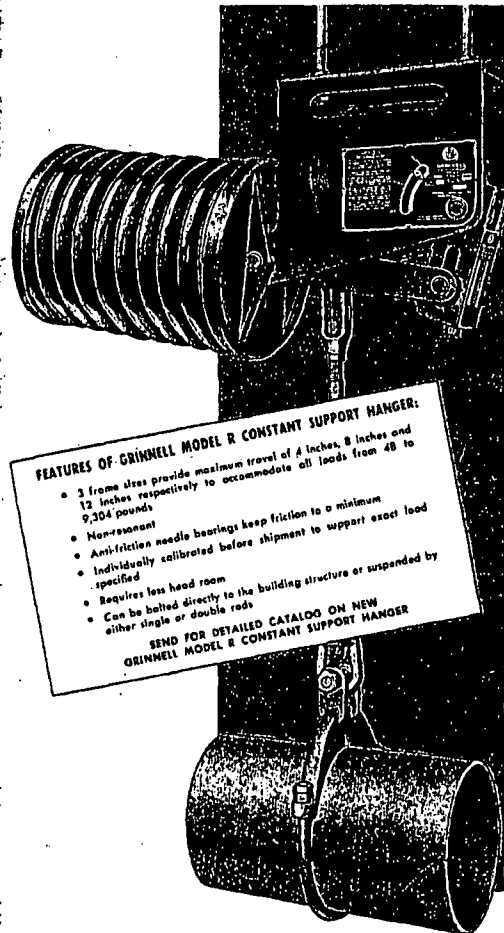


CONSOLIDATED SAFETY VALVES

A product of **MANNING, MAXWELL & MOORE, INC.** STRATFORD, CONN.

MAKERS OF 'CONSOLIDATED' SAFETY AND RELIEF VALVES, 'AMERICAN' INDUSTRIAL INSTRUMENTS, 'HANCOCK' VALVES, 'ASHCROFT' GAUGES, AIRCRAFT PRODUCTS, BUILDERS OF "SHAW-BOX" AND "LOAD LIFTER" CRANES, "BUDGET" AND "LOAD LIFTER" HOISTS AND OTHER LIFTING SPECIALTIES.

The New GRINNELL MODEL R CONSTANT SUPPORT HANGER



- FEATURES OF GRINNELL MODEL R CONSTANT SUPPORT HANGER:**
- 3 frame sizes provide maximum travel of 4 inches, 8 inches and 12 inches respectively to accommodate all loads from 48 to 9,304 pounds
 - Non-resonant
 - Anti-friction needle bearings keep friction to a minimum
 - Individually calibrated before shipment to support exact load specified
 - Requires less head room
 - Can be bolted directly to the building structure or suspended by either single or double rods
- SEND FOR DETAILED CATALOG ON NEW GRINNELL MODEL R CONSTANT SUPPORT HANGER

Mathematically perfect
constant support for
all positions of travel
of high temperature
process and steam piping

With the new Grinnell Model R Constant Support, the pipe, its covering and contents, are supplied mathematically perfect support in all positions of travel. In addition, constant support is maintained throughout the full range of field adjustability.

The design of the new Model R provides favorably small ratios between spring force and the supported load, ranging from 1.15 to 1 minimum and 4 to 1 maximum, thereby minimizing bearing stress and prolonging the life of the hanger. This permits hangers which are smaller in size for the loads carried.

If conditions require a change of supporting force, a load scale is provided so that accurate field adjustments of at least plus or minus 10% may be made by turning a single load adjusting bolt. Wherever the adjustment is set, the Model R gives a load deflection curve that is a straight horizontal line.

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AMERICA'S #1 SUPPLIER OF
PIPE HANGERS AND SUPPORTS



Grinnell Company, Inc., Providence, Rhode Island

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