USE ADSCO

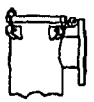


S-Type ADSCO Strainers screen out foreign matter from oil, water, and other liquid lines. Damage to valuable equipment is prevented. Usually installed on suction side but can also be used for discharge or other services.

S-TYPE

STYLE B COVER

Toggle and Bolt Type



Cover held in place by toggle bolts. This design simplifies removal of cover while cleaning basket screen. In sizes from 4" to 12", for pressures to 50 psi.

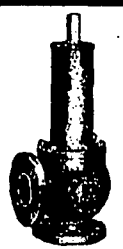
STRAINERS

AMERICAN DISTRICT STEAM COMPANY, INC.

NORTH TONAWANDA, NEW YORK

Since 1877

BACK PRESSURE VALVES...



No. 135 illustrated — Klipfel Cup Disc back pressure and relief valve cuts size required to half that of other types. Very large capacity with closer, chatter-free regulation. *Closes tight with minimum* blow down. For maximum inlet pressures 80 to 300 lbs. according to size. Other types available. GET BULLETIN 648.

Call Your Supply House or See Classified Phone Directories for Nearest KLIPFEL Agent.

Alabama	Illinois	Missouri	Ohio	Tennessee
Birmingham	Chicago	St. Louis	Cincinnati	Memphis
Arizona	Indiana	Kansas City	Cleveland	Nashville
Phoenix	Evansville	Montana		Knoxville
California	Indianapolis	Billings	Oklahoma	
San Francisco	Louisiana	New York	Tulsa	Utah
Los Angeles	New Orleans	Buffalo	Oregon	Salt Lake City
Colorado	Massachusetts	New York	Portland	Washington
Denver	Boston	Syracuse	Pennsylvania	Spokane
Florida	Michigan	New Mexico	Pittsburgh	Seattle
Tampa	Detroit	Albuquerque	Philadelphia	Wisconsin
Georgia	Minnesota	North Carolina	Texas	Milwaukee
Atlanta	Minneapolis	Greensboro	Dallas	Canada
				Montreal

Klipfel VALVES, INC. HAMILTON, OHIO

6 Essential Facts

for a company with a Water Problem

1. Costs Far Less to Install!
A Ranney Water Collector will add millions of gallons [illegible] your daily water supply—at a fraction of the cost of [illegible] ventional systems!

2. Less Expensive to Operate!
A Ranney Water Collector is far less expensive to operate [illegible] —uses fewer pumps, fewer personnel, less power, and usually requires no treatment facilities.

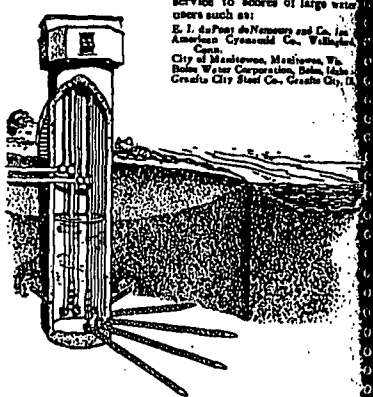
3. Maintenance Requirements Practically Nil!
A Ranney Water Collector requires little or no maintenance. The rate of flow through the Ranney Collector's apertures eliminates clogging and silting. No filter plant maintenance.

4. More Water per Unit!
A single Ranney Water Collector has produced more clear, cool water than ten conventional vertical wells.

5. Far Longer Life Cuts Depreciation Costs!
The longer life of a Ranney Water Collector lowers financing and depreciation rates appreciably.

6. Ask These Satisfied Users
Ranney Water Collectors are currently rendering excellent service to scores of large water users such as:

E. I. duPont de Nemours and Co., Inc., American Cyanamid Co., Willington, Conn.
City of Manitowoc, Manitowoc, Wis.
Boise Water Corporation, Boise, Idaho
Granite City Steel Co., Granite City, Ill.



An inexpensive Ranney survey will determine how the Ranney Method can work for you.

If you need water, write us for complete information on how a Ranney Water Collector will solve your problem.

Ranney Method Water Supplies, Inc.

HYDROLOGISTS AND WATER SUPPLY CONTRACTORS

Executive and Engineering Offices
Dept. E-9, P.O. Box 277, Columbus 9, Ohio

How ONE can equal SIX IN FUEL OIL HEATING

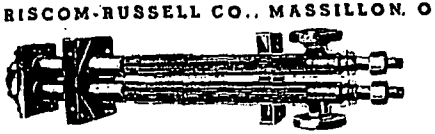


Conventional fuel oil heaters have bare tubes, with practically the same amount of surface inside and outside. But *fuel oil requires more heat transfer surface* than does the heating steam, because of its considerably lower heat transfer rate. Therefore, the number of bare tubes required for the heat-absorbing capacity of the oil is very much greater than the number which would be sufficient for the heat conductivity of the steam.

The G-Fin heat transfer elements of the G-R Twin G-Fin Section compensate for this difference in heat transfer rates of oil and steam. Their longitudinal fins have a total of more than 6 times as much surface as the interior of the elements. This means that a Twin G-Fin Section will have only 1/6 the number of tubes that would be required by a *conventional bare tube* heater for the same duty.

Investigate these compact, simple units and their many other advantages for heating your fuel oil. Complete information will be sent without obligation.

THE GRISCOM-RUSSELL CO., MASSILLON, OHIO



G-R HEAT TRANSFER APPARATUS *Twin G-Fin Section*