Sterling, Inc.

5208 West Clinton Avenue, Milwaukee 23, Wisconsin

Heating and Temperature Control Equipment
Distributed through leading Heating and Plumbing Wholesalers
Sales Representatives in Principal Cities

CONDENSATION PUMPS

4100-4200 Series

A complete line of low pressure units for ratings up to 15,000 sq ft EDR at 20 psig. Four sizes assure accurate, easy selection of pump to boiler requirement. Steel or cast iron tanks. Centrifugal pumps, mechanical type seal, built-in Simplex or Duplex. Many modifications available to suit special applications.

3500 Series

Heavy duty units built as condensation or boiler return systems. Pedestal mounted tanks. Horizontal pumps. Ratings up to 65,000 sq ft EDR, up to 150 lb psig. Available in standard units or built to specification. Special units for packaged boilers.

3700 Series

Built with extra heavy cast iron tanks for underground returns and pit installations. Standard units from 2,000 to 20,000 sq ft EDR, 30 psig. Special units for larger ratings and higher pressures.

SPECIAL UNITS

We specialize in designing and building special equipment to solve difficult condensate and boiler return pumping problems.

THERMOSTATIC TRAPS

Exceptional for keeping radiation free of air and condensate. Uses the "Sterlco Vacuum Thermostat" which closes *uniformly regardless of pressure* variation. If damaged, the thermostat fails in the closed position shutting off the radiation and giving positive indication that the trap needs attention. Trap maintenance greatly simplified. All traps equipped with replaceable seats. Three pressure ratings: 15, 65, 100 psig ½ in. L.P. angle body has smallest overall dimension for use on fin tube radiation.

FLOAT AND THERMOSTATIC TRAPS

Used wherever it is desired to prevent flow of steam, but to permit passage of air and water . . . on unit heaters, large radiators and convectors, water heaters, steam main drips and other types of equipment where steam is used. Compact, rugged, easy to service. "Vacuum thermostat" vents air, float valve has plenty of capacity for large amounts of condensate. Sizes: ¾ in., 1 in., 1¼ in., 1½ in., 2 in. Maximum pressures: 15, 100 psig.

120-A THERMOTROLS

Self-contained, thermostatically operated radiator valves for controlling individual room temperatures. For two pipe steam or hot water systems. A simple, relatively inexpensive system of control for new or old buildings. Especially good for remodeling old systems. ½ in., ¾ in., 1 in. sizes. Angle, straightway, corner body patterns.

150-E SERIES TEMPERATURE CONTROL VALVE

Self-powered, modulating, fully balanced control valve—applicable to any process involving heating or cooling by means of water, oil, steam, or other fluids. Bellows type stem seal and 125 psig makes it especially good for high temperature high pressure hot water systems. Single seated. Monel bellows. Armored capillary stainless steel seat, disc and stem. ½ in., ¾ in., 1 in. sizes.

"Y" STRAINERS

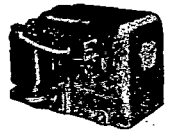
A complete line of "Y" Strainers. Brass strainers from ⅜ in. to 1 in. Cast iron from ½ in. to 2 in. 125 psig pressure rating.

RADIATOR VALVES

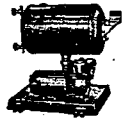
A complete line of Radiator Valves from hot water supply valves to heavy duty bellows seal type valves for Vacuum heating systems.

TEMPERATURE CONTROL UNITS

Self-contained units that heat or cool, and circulate heat transfer fluids through molds, dies, rolls, water jackets, etc. Temperature ranges to 550° F.



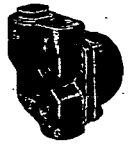
4100-4200 Series



3500 Series



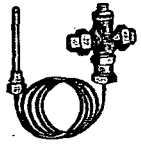
Thermostatic Traps



Float and Thermostatic Traps, Popular 69B Illustrated



Thermotrols



150-E Series Temperature Control Valve



"Y" Type Strainers



Radiator Valves

STRONG®

508 Sandusky Street, Conneaut, Ohio

The Complete Steam Specialties Line

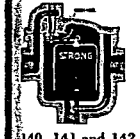
4/S

• STRONG *HYDRO-FLEX* STEAM TRAPS (semi-steel)

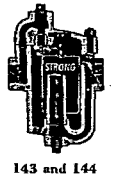
for pressures to 250 psi, temperatures to 450° F

Strong *Hydro-Flex* Steam Traps feature quick, positive *lever-lift* action for high discharge capacity and unmatched performance on light or heavy loads. There are only *two moving parts*—bucket and lever—reducing wear to a minimum. Pins, fixed fulcrums and hinges are eliminated from larger traps. Screwed-in renewable valve and seat are of wear-resistant *Anam-Metl*, guaranteed leak-proof for one year. All internal parts are stainless steel and attached to the cover for ease of maintenance.

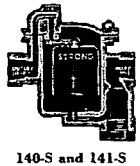
140 Series Standard In-Line Traps and Blast Traps



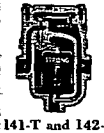
140, 141 and 142



143 and 144



140-S and 141-S



141-T and 142-T

Side inlet and side outlet permit quick removal of cover for maintenance without disturbing piping connections. Extra bottom connection is provided for draining or cleaning.

140-S Series has built-in strainer for removal of foreign matter in the line to prevent clogging of the trap.

140-T Series Blast Traps have thermal vent for use on jobs requiring very rapid starting or excessive air capacity.

Trap No.	Pipe Size (in.)	Continuous Capacity at psi	Continuous Capacity lb/hr	Weight (lb) (140 series)	List Price 140 Series	List Price 140-S Series	List Price 140-T Series
140	½–¾	150	545	4	$10.50	$12.50	$12.00
141	½–¾	200	1150	7	13.00	16.00	18.00
142	¾–1	200	1520	7¼	22.00	26.00	25.00
143	¾–1	250	2380	17	32.00	38.00	—
144	1–1¼	250	4970	30	46.00	—	—

Note: When ordering, always state highest pressure.

40 Series Standard Bottom Inlet Traps



43, 44, 45 and 46

Heavy-duty bottom inlet, top outlet traps for severe service on low, medium and high pressures to 250 psi at 450 F. Long operating life at sustained high efficiency with minimum maintenance.

Where excessive air venting is required, the *Strong Thermal Bucket Vent* with a bimetal element is available.

Trap No.	Pipe Size (in.)	Continuous Capacity at psi	Continuous Capacity lb/hr	Weight (lb)	List Prices
42	½–¾	200	1520	7¼	$15.00
43	½–¾	250	2380	14	30.00
44	¾–1	250	4970	28	39.00
45	1¼–1½	250	8750	48	60.00
46	1½–2	250	21400	84	90.00

Note: When ordering, always state highest pressure.

• STRAINERS

STRONG Y, T, or new easy-to-clean Basket Strainers are available in wide range of sizes and materials. Versatile Y strainers collect damaging foreign matter, protecting expensive equipment and reducing maintenance and servicing on heating systems. Choice of flanged or screwed pipe connections. Economical semi-steel and popular ductile iron types are shown, but Y strainers also furnished in cast bronze, cast steel, and stainless steel. Ductile (Nodular) Iron can be bent or twisted without breaking in event of fire or explosion (suitable for steam pressure of 600 psi at 650 F).



Semi-steel Type SY with bushing at blowoff connection. Screwed pipe connections.



Semi-steel Type SYG and Ductile Iron Type SYD have cap and gasket at blowoff. Screwed pipe connections.

Pipe Size (in.)	Blowoff Size (in.)	List Prices Type "SY"	List Prices Type "SYG"	List Prices Type "SYD"	Extra Screens
¼	¼	$2.60	$3.50	—	$1.30
⅜	⅜	2.60	3.50	$6.00	1.30
½	½	2.80	3.80	7.00	1.60
¾	½	3.55	5.00	8.00	1.70
1	½	5.00	7.15	11.00	2.00
1¼	½	6.40	7.80	13.00	2.60
1½	½	7.75	10.50	17.00	3.30
2	1	11.50	16.25	20.00	4.40
2½*	1¼	25.00	25.00	43.00	7.00
3*	1¼	41.00	41.00	60.00	8.80

* 2½ in. and 3 in. strainers have flanged blowoff.

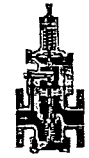
Note: Stainless steel screen with .027 in. dia. perforations is standard. Special screens available with larger or smaller perforations. Complete information sent on request.

• PRESSURE REGULATING VALVES

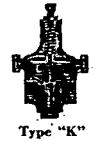
Type "C": Pilot-operated, single-seated, packless valve. Recommended for installations requiring the most accurate and dependable regulation. Semi-steel or cast steel construction. Reduced pressures from 0 to 200 psi. Screwed connections on sizes under 2 in. Others flanged.

Type "K": Self-contained, direct-operated valve for a maximum initial pressure of 225 psi for reduced pressures from 0 to 85 psi. Has internal strainer. Screwed connections.

Type "O": Same as "K", except for sizes and no internal strainer. Screwed connections.



Type "C"



Type "K"

Pipe Size (in.)	List Prices Type "C" semi-steel	Type "C" cast steel	Type "K" semi-steel	Type "O" semi-steel
¾			—	$38.00
½	$100.00	$176.00	$41.00	38.00
¾	102.00	176.00	42.00	38.00
1	104.00	176.00	53.00	—
1¼	140.00	226.00	97.00	—
1½	144.00	228.00	98.00	—
2	193.00	321.00	—	—
2½	256.00	405.00	—	—
3	315.00	493.00	—	—
4	460.00	680.00	—	—

Note: When ordering, state type of service, highest initial and range of reduced pressures.

For more information write for *General Catalog 75.*