

Underground Steam Construction Co.

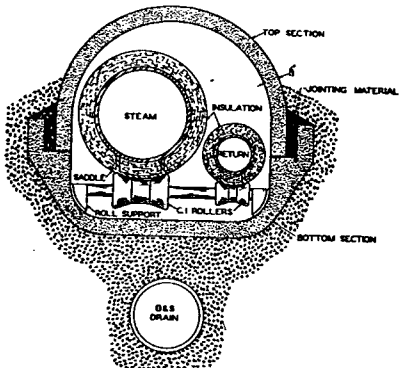
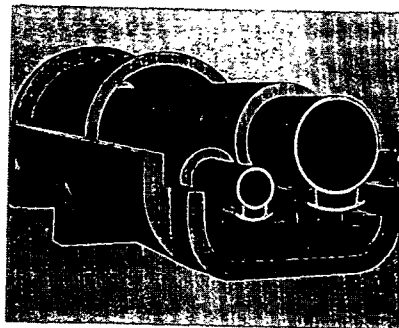
75 Pitts Street, Boston, Mass.

PRODUCTS—Engineering and Contracting of Steam Line Installations. Underground Steam Conduits.

USCCO PRE-CAST CONCRETE CONDUIT

This unit marks a long step forward in the economics and mechanics of laying underground steam lines.

Its Outstanding Features Are:



Strength resulting from flat reinforced bell; from the longitudinal joints, and from the fact its sections are 4 feet long, reducing the usual number of joints necessary.

Shape which allows 12 per cent greater inside capacity than circular conduit of like diameter. This permits larger pipes in a given size conduit and more room for drainage, pipe supports and rolls.

Ease of Installation resulting from the fact that all top and bottom halves mate. Bottoms may be laid for any distance, the piping installed and then the tops brought up and laid. This speeds up the work and protects idle halves from damage. They can be stored away from the job.

Materials are high strength cement with suitable aggregate, amply reinforced with wire mesh.

Pipe Supports are of cast-iron and quickly installed. They may be placed anywhere in the conduit. The weight of the pipe holds them in place.

Joints may be of any standard accepted brand of jointing compound or they may be of standard Portland cement mortar.

Builders Iron Foundry

23 Codding Street

Providence, R. I.

Representatives in Principal Cities

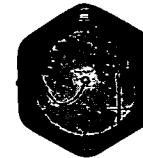
The CHRONOFLO METER for nearby or long distance measurement of flow, level, pressure, temperature, weight, or position.

The SHUNT METER for steam, air and gas.

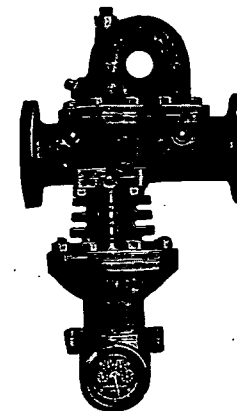
The VENTURI METER for boiler feed water supply, and other main pipe lines.

CHRONOFLO METERS AND CONTROLLERS

"From hundreds of feet to hundreds of miles"



Chronoflo Meters—Mechanically measure flow, pressure, temperature, or position in terms of time; electrically transmit this time duration equivalent of the quantity to any point—or points—nearby or miles away. There a Receiving Instrument mechanically indicates, records, or registers it. If desired, the same "impulse" may be used to operate flow, pressure, temperature, weight, or position controllers. Regular A.C. current is used and accuracy is not affected by voltage variation. Suitable for nearby or long distance transmission over private wires or public telephone channels. Write for Bulletin 283.



Shunt Steam Meter, Type K.S.

THE SHUNT METER

A low priced, practical, mechanical, meter easily installed and accurate over a wide range. Regularly used by many District Heating Companies for measuring steam sold; also ordered and re-ordered by leading industrial plants to meter steam or air furnished tenants, departments, and processes.

The illustration shows the complete meter. Installation consists simply of bolting to flanges in the flow line; no connecting pipe or electric wiring. A portion of the entering steam is deflected by an orifice through nozzles against the blades of a turbine located in the upper or shunt passageway. The speed of the turbine is kept low by a dampening fan on the vertical turbine shaft, at the bottom end of which is a magnetic drive to the totalizer dials.

The meter is installed as a unit in 2, 3 and 4-in. lines; for larger capacities the installation is made in a by-pass around an orifice in the main line. Write for Bulletin 255 and prices.

	Steam Pressure Lbs per Sq In. Gauge	Rated Capacity of Saturated Steam—Lbs. per Hour (Meters with largest orifice)						
		2" Meter	3" Meter	4" Meter	6" Meter	8" Meter	10" Meter	12" Meter
Low Pressure Meters	0	600	1,400	2,530	5,660	9,850	15,200	19,000
	5	800	1,900	3,350	6,500	11,300	17,500	21,800
	15	1200	2,750	4,750	7,860	13,700	21,100	26,300
	30	1650	3,400	5,850	9,550	16,600	25,600	31,900
	50	2000	4,050	7,000	11,400	19,800	30,500	38,000
Standard Meters	50	2650	6,000	10,600	22,200	39,000	60,500	75,500
	100	4150	9,500	16,600	29,000	51,000	79,200	99,000
	150	5000	11,400	20,000	34,400	60,500	94,000	117,000
	200	5700	13,000	22,700	39,000	68,600	107,000	133,000
	250	6300	14,400	25,200	43,200	76,000	118,000	148,000
Extra Heavy Meters	275	6600	15,200	26,500	45,000	79,400	123,000	154,000
	300	6900	15,700	27,500	46,800	82,500	128,000	160,000

Minimum Capacities equal one-tenth tabulated quantities. Many other smaller and intermediate capacities available.