Builders Iron Foundry

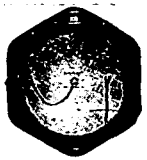
23 Codding Street — **Providence, R. I.**

Representatives in Principal Cities

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

The CHRONOFLO ELECTRIC FLUID METER for nearby or long distance transmission of flow rates, quantities, pressures, temperatures, etc.

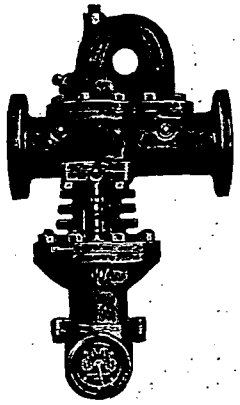
The SHUNT METER for steam, air and gas.



THE CHRONOFLO ELECTRIC FLUID METER

"From hundreds of feet to hundreds of miles"

The Chronoflo has introduced new features to the field of metering. Four common electric units are utilized: the synchronous motor; the mercury switch; the magnetic relay; the magnetic clutch. Electric impulses of variable time intervals proportional to rates or positions are transmitted by the primary unit to the receiver gauge. Regular A.C. current is used and accuracy is not affected by voltage variation. Suitable for intramural or long distance transmission over regular telephone channels.



Shunt Steam Meter, Type K.S.

THE SHUNT METER

Distinctly fills the need for 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 reordered 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 dampering 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.

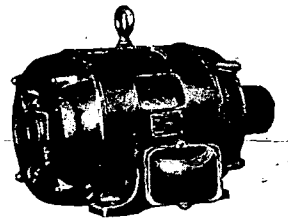
	Steam Pressure Lbs per Sq In. Gauge	Rated Capacity of Saturated Steam—Lbs. per Hour (Meters with largest orifice)						
		2" Meter	3" Meter	4" Meter	6" Meter	8" Meter	10" Meter	12" Meter
Low Pressure Meters	0	600	1,400	2,530	5,660	9,850	15,200	19,000
	5	800	1,900	3,350	6,500	11,300	17,500	21,800
	15	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. Bulletin No. 255 with complete capacity tables, data sheet and price list mailed upon request.

Century Electric Company

1806 Pine Street, **St. Louis, Mo.**

Offices and Stock Points in Principal Cities



Century Multispeed Squirrel Cage Motors

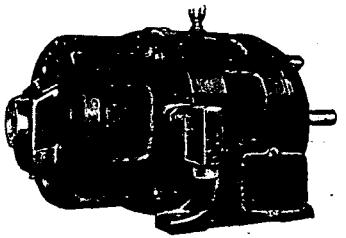
⅛ TO 200 HORSE POWER

Especially adapted to meet the variable or constant speed requirements of Fans, Ventilators, Refrigerators and similar apparatus where adjustable speed change is a requirement . . . . Built for 2, 3, 4 or more speeds—automatic, push button or manual control . . . . Wide or narrow speed ranges, such as 1800/1200 or 1800/600 down to 900/450 r.p.m. (60 cycle) . . . . Conventional open or splash proof type . . . .Special speed combinations are also available . . . . Ball Bearings or phosphor bronze sleeve bearings.

Century Squirrel Cage Induction 3-Phase Motors

⅛ TO 600 HORSE POWER

Specially suited for all heavy duty, general purpose application—Stokers, Pumps, Compressors and Similar Equipment. Extremely rigid in construction with liberal mechanical strength and the ability to withstand the shock, pounding and stress of gear, chain or belt drive . . . . Refined cast-iron frames and end brackets . . . . Armature commercially indestructible . . . . Available in standard or totally enclosed fan cooled types . . . . Ball bearings or phosphor bronze sleeve bearing.



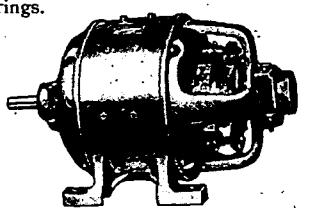
Century Slip Ring Induction Polyphase Motors

¼ TO 250 HORSE POWER

Desirable for installations where high-starting torque is required and low-starting current is desirable or where heavy inertia loads increase the time required to bring the load up to full-speed.

This type of motor is adapted to two classes of service—constant speed or adjustable varying speed. The only difference between the two installations is the secondary control equipment.

Ball bearings or phosphor bronze sleeve bearings.



Century Direct Current Motors

⅛ TO 150 HORSE POWER

Built with shunt or compound windings, for all commercial voltages . . . . Open, semi-enclosed, fully enclosed ratings . . . . Phosphor bronze sleeve bearings with ring oilers, or grease lubricated ball bearings; also vertical ball bearing types . . . . Constant, variable and adjustable-speed types . . . . The commutator, the most important part of a Direct Current Motor, is made up of hard-drawn copper bars, insulated with amber mica between the bars and mica V rings between the bars and the steel shell used to clamp them together.

ALSO

Blower Motors.
Unit Heater Motors.
Cushion Mounted Motors.
Refrigeration Motors.
Vertical Motors.