

CHAPTER V: Waterworks Corporations
Subchapter A: Service

Part 500 - Meter Approval; Testing of Meters; Reports of Testing

§ 500.3 Approval of meters and meter reading accessories

(a) Definitions. Unless the specific context otherwise requires, as used in this Part:

(1) Meter - any meter testing equipment or measurement device used for the determination of the units of water furnished.

(2) Accessory - any meter reading device attached to the meter used to display, transmit or adjust the reading of a meter index.

(3) Acceptable devices - those types or models of meters or accessories, eligible to be submitted for approval, that conform to requirements intended to determine their reliability and acceptable accuracy insofar as they can be demonstrated by tests; the meter or accessory shall meet or exceed staff designated requirements.

(4) Approved devices - those types or models of meters or accessories which have been approved by the Commission for use in customer billing and in the general operations of a water utility plant.

(b) Selection of devices for testing. (1) One or more units of equipment covered by the application, as determined and selected by staff, shall be made available for testing and may be retained for such purpose by the [c]Commission. Such units will be intended for actual use and not include experimental models.

(c) Application of approval.

(1) An application for approval shall be [submitted] filed by the first utility intending to use the meter or accessory in New York [State]. [Three copies of such] The application shall be filed, in accordance with the requirements of § 3.5 of this Title, with the Secretary to[*] the Commission.

(2) An application for approval shall contain:

- (i) name and address of applicant;
- (ii) name and address of manufacturer;
- (iii) manufacturer's type or model designation;
- (iv) complete technical description covering construction details and materials;
- (v) test data observed and/or prepared by the applicant;
- (vi) test data certified by the manufacturer;
- (vii) photographs (8" x 10" exploded view) and/or manufacturer's drawings;
- (viii) the general customer category or specific application for which the utility intends to use the meter or accessory;
- (ix) the approximate cost per unit; and
- (x) certification of correctness and completeness of application by an officer of the applicant.

(d) Modification of approved devices.

(1) Permission to use an approved device is effective only for those types of models which are of the same design and construction as the type or model approved. If the manufacturer of an approved device changes its materials, construction, or design in a manner that may affect its operation, accuracy or safety, the sponsoring utility or the utility intending to use the modified device shall notify the Commission staff, specifying the changes.

(2) Department staff will evaluate the effects of the modification and determine whether the device remains acceptable[,] and, if so, whether the existing approval is adequate or should be amended, and will so notify the utility.

(e) Strength and capacity of meters.

(1) Strength. New meters shall be of sufficient strength to withstand without damage a working-pressure test of 150 pounds per square inch.

(2) Capacity. New meters shall show a loss of head not to exceed the following amounts when the rate of flow for delivery is that given in the following Table, viz.: for displacement and current meters, 15 pounds per square inch; for compound meters, 20 pounds per square inch; for fire-service meters, 4 pounds per square inch.

Size	DELIVERY: GALLONS PER MINUTE			
	Displacement	Current	Compound	Fire-Service
Inches				
1/2	15	-----	-----	-----
1/2 X 3/4	15	-----	-----	-----
5/8	20	-----	-----	-----
5/8 X 3/4	20	-----	-----	-----
3/4	30	-----	-----	-----
1	50	-----	-----	-----
1 1/2	100	100	100	-----
2	160	120	160	-----
3	315	300	320	400
4	500	600	500	700
6	1,000	1,350	1,000	1,600
8	-----	1,800	1,600	2,800
10	-----	2,400	2,300	4,400
1	-----	3,375	3,100	6,400
2	-----	-----	-----	-----