

Republic of the Philippines ZAMBOANGA CITY WATER DISTRICT Pilar St., Zamboanga City

ANNEX A

TECHNICAL SPECIFICATIONS FOR ONE HALF INCH WATER METERS

1	ed for the measureme	ent of cold potable water			· · · · · · · · · · · · · · · · · · ·
- dea	Standard	ISO 4064:1993 or latest			
2.	Nominal Diameter	15mm		Name (Victoria)	
3.	Meter Type	Single Jet			
4.	Metrological Class	"B" or its equivalent to la	atest editio	n	
	Meter Body	Copper alloy containing	not less tha		i-corrosion
		- Testing result of material testing agency or from ZCWD during Bi	laboratory any DOST-a d Opening	r content from any governmen like DOST, MIRDC or any accre accredited laboratory shall be s	edited governmen
6.	Register	Hermetically vacuum sealed or hermetically sealed			
		With magnetic ring/shield			
		Glass lens with abrasion resistant			
		Meter Register in Cubic Meters			
		Marked with "ZCWD" at top plate of register using Arial Text with font size of 9 - 12			
		printed in Bold and all written in Capital Letters.			
		Cubic Meters in registration – minimum of 4 digit			
		Straight Reading			
	Working Condition	Maximum Working Press			-1
		Maximum Working/Liquid Temperature: 30°C or Higher			
8.	Metrological Characteristics (Permissible Error)	Maximum flowrate (Qma 2%	3x/Q4) = 3.0	0m3/hr. or higher; Allowance e	rror in accuracy :
		Nominal flowrate (Qn/Q3) = 1.5m3/hr. or higher; Allowance error in accuracy \pm 2%			
		Transitional flowrate (Qt/Q2) = 120 l/hr. or lower; Allowance error in accuracy ± 2%			
		Minimum flowrate (Qmin/Q1) = 30 l/hr. or lower; Allowance error in accuracy \pm 5%			
9.	Meter and corresponding	Water Mete	r Length	Length per Tail Piece	
	Tailniere length			4	
	Tailpiece length	115m	m	100mm	
	Tailpiece length ranges	115m 165m	127	75mm	
	Control of the Contro		m		
	ranges	165m 190m	m m	75mm 63mm	
10.	Control of the Contro	165m 190m Meter body should be pr	m m operly seal	75mm 63mm	
11.	ranges . Meter Seal . Strainer	165m 190m Meter body should be pr With plastic strainer insta	m operly seal	75mm 63mm	
11.	ranges . Meter Seal	165m 190m Meter body should be pr With plastic strainer insta	m operly seal	75mm 63mm	ved on the water
11. 12.	ranges . Meter Seal . Strainer	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the	m roperly seal alled e in series, painted by end user) a	75mm 63mm	i blue (or closer
11. 12.	ranges . Meter Seal . Strainer . Serial Numbering . Painting	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the a	m coperly seal alled e in series, painted by end user) a	75mm 63mm ed clearly and permanently engra	i blue (or closer
11. 12.	ranges . Meter Seal . Strainer . Serial Numbering . Painting	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the compatible paint primer. Meter Size – (embossed)	m roperly seal alled e in series, painted by end user) a	75mm 63mm ed clearly and permanently engra the supplier with acrylic Tahiti utomotive paint with properly	i blue (or closer
11. 12. 13.	ranges . Meter Seal . Strainer . Serial Numbering . Painting . Meter Body . Markings	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the c compatible paint primer. Meter Size – (embossed) Flow Direction (arrow) –	m coperly seal alled e in series, painted by end user) a	75mm 63mm ed clearly and permanently engra the supplier with acrylic Tahiti utomotive paint with properly	blue (or closer primed surface o
11. 12. 13.	ranges . Meter Seal . Strainer . Serial Numbering . Painting	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the c compatible paint primer. Meter Size – (embossed) Flow Direction (arrow) – All meters shall be guaranteed	m coperly seal alled e in series, painted by end user) a (embossed nteed again	75mm 63mm ed clearly and permanently engra the supplier with acrylic Tahiti utomotive paint with properly) ast factory defects in workman	blue (or closer primed surface o ship and materia
11. 12. 13.	ranges . Meter Seal . Strainer . Serial Numbering . Painting . Meter Body . Markings	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the c compatible paint primer. Meter Size – (embossed) Flow Direction (arrow) – All meters shall be guara for a period of one (1) ye	m moperly seal alled e in series, painted by end user) a (embossed nteed agair ar from the	75mm 63mm ed clearly and permanently engra the supplier with acrylic Tahiti utomotive paint with properly nst factory defects in workmans e date of acceptance. Defective	blue (or closer primed surface o ship and materia meters or parts
11. 12. 13.	ranges . Meter Seal . Strainer . Serial Numbering . Painting . Meter Body . Markings	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the c compatible paint primer. Meter Size – (embossed) Flow Direction (arrow) – All meters shall be guara for a period of one (1) ye discovered within this pe	m moperly seal alled e in series, painted by end user) a (embossed nteed agair ar from the	75mm 63mm ed clearly and permanently engra the supplier with acrylic Tahiti utomotive paint with properly) ast factory defects in workman	blue (or closer primed surface of ship and materia meters or parts
11. 12. 13. 14.	ranges . Meter Seal . Strainer . Serial Numbering . Painting . Meter Body . Markings	Meter body should be pr With plastic strainer insta Meter numbers should b meter body All water meters shall be shade acceptable to the compatible paint primer. Meter Size – (embossed) Flow Direction (arrow) – All meters shall be guara for a period of one (1) ye discovered within this pe the supplier.	m m roperly seal alled e in series, painted by end user) a (embossed nteed agair ar from the riod shall b	75mm 63mm ed clearly and permanently engra the supplier with acrylic Tahiti utomotive paint with properly nst factory defects in workmans e date of acceptance. Defective	blue (or closer primed surface of ship and materia meters or parts on the return to

	The water meters shall be packed by 10's or 20's per batch and shall indicate the meter serial numbers on the box.
17. Other requirements	One (1) unit sample complete with tail pieces and gaskets with the water meter testing and calibration report from Manila Water or Davao City Water District or any ISO accredited water meter calibration laboratory to be submitted by the bidden and the calibration of the complete submitted by the bidden and the calibration of the calib
	during bid opening.
	The serial number in the water meter sample is not required. The sample water meter submitted during the bid opening will not form part of the final delivery. The sample water meter and cut away will be retrieved by the supplier/s after an awar has been made and no motion for reconsideration was filed.
	One (1) unit cut away sample to be submitted by the bidder during bid opening.

Submitted by:

Atty Vincent F. Fernandez
Department Manager
General Services Department

Downton Carillin

Approved by

Reynaldo R. Cabilin General Manager