

CONTRACT SUMMARY

CITY OF FORT LAUDERDALE
PROCUREMENT SERVICES DIVISION

Period Covered:
8/20/13 – 8/19/14

Contract No.:
432-11222

Master Blanket:
~~N/A~~ PP160721

Awarded Vendor:

Sunstate Meter & Supply, Inc.
14001 West Newberry Road
Newberry, FL 32669

Delivery: 30 days ARO
Payment Terms: Net 30
P-Card Accepted: ☐ Yes ☒ No

Attn: N.A. Ellenburg
800-342-3409
Fax 352-332-5604
Email: al@sunstatemeter.com
keith@sunstatemeter.com
jay@jaymeyers.com

Insurance Coverage Required: Yes ☒ No ☐
Authorized for Purchases: \$50,000 Under ☐ Over ☒
Approved by City Commission: 8/20/13 Pur-1, CAM 13-0917
Extension Options: Yes ☒ No ☐ Years: 3, 1 year extensions

POSITIVE DISPLACEMENT COLD WATER METERS

5/8"	\$ 46.05 / each
3/4"	\$ 66.03 / each
1"	\$ 110.40 / each
1-1/2"	\$ 278.50 / each
2"	\$ 375.00 / each
Percentage Discount off list price for parts	15%

Department Contract Co-Ordinator: Joe Arena, Public Works, 954-321-1205
Keith Hutchinson, Public Works, 954-828-7682

Procurement Specialist: Robert McKenney, CPPB

Dated: 8/22/13

Paper Bid -

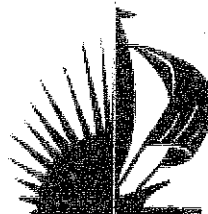
**CITY OF FORT LAUDERDALE
SPECIFICATIONS PACKAGE**

ORIGINAL

DID

432-11222

**Positive Displacement Cold Water Meters
(Annual Contract)**



CITY OF FORT LAUDERDALE

Bob McKenney

954-828-5139

CONTRACT
COPY

**Sunstate Meter & Supply, Inc.
14001 W. Newberry Road
Newberry, FL 32669**

The questions and answers section of this bid or RFP in BidSync will become part of any contract that is created from this bid or RFP.

The City of Fort Lauderdale uses BidSync (www.BidSync.com) to distribute and receive bids and proposals. There is no charge to vendors/contractors to register and participate in this solicitation process, nor will any fees be charged to the awarded vendor. Refer to www.BidSync.com for further information.

All bids should be submitted electronically through www.BidSync.com.

Item Response Form

Item 432-11222--01-01 - Cold Water Positive Displacement Meter, 5/8"
Quantity 1200 each
Unit Price \$46.05
Manufacturer Offered Neptune
Model Number ED2B21R8G2
Warranty Offered See Attached
Delivery Location City of Fort Lauderdale
Public Works - Pipe Yard/Depot
949 NW 38th Street
Oakland Park FL 33309
Qty 1200

Description

See Bid Specifications/Additional Requirements

Item 432-11222--01-02 - Cold Water Positive Displacement Meter, 3/4"
Quantity 500 each
Unit Price \$66.03
Manufacturer Offered Neptune
Model Number ED2D21R8G2
Warranty Offered See Attached
Delivery Location City of Fort Lauderdale
Public Works - Pipe Yard/Depot
949 NW 38th Street
Oakland Park FL 33309
Qty 500

Description

See Bid Specifications/Additional Requirements

Item 432-11222--01-03 - Cold Water Positive Displacement Meter, 1"
Quantity 1200 each

Sunstate Meter & Supply, Inc.
14001 W. Newberry Road
Newberry, FL 32669

Unit Price **\$110.40**
Manufacturer Offered **Neptune**
Model Number **ED2F21R8G2**
Warranty Offered **See Attached**
Delivery Location **City of Fort Lauderdale**
Public Works - Pipe Yard/Depot
949 NW 38th Street
Oakland Park FL 33309
Qty 1200

Description

See Bid Specifications/Additional Requirements

Item **432-11222--01-04 - Cold Water Positive Displacement Meter, 1-1/2"**
Quantity **200 each**
Unit Price **\$278.50**
Manufacturer Offered **Neptune**
Model Number **ED2H11R8G2**
Warranty Offered **See Attached**
Delivery Location **City of Fort Lauderdale**
Public Works - Pipe Yard/Depot
949 NW 38th Street
Oakland Park FL 33309
Qty 200

Description

See Bid Specifications/Additional Requirements.

Item **432-11222--01-05 - Cold Water Positive Displacement Meter, 2"**
Quantity **200 each**
Unit Price **\$375.00**
Manufacturer Offered **Neptune**
Model Number **ED2J11R8G2**
Warranty Offered **See Attached**
Delivery Location **City of Fort Lauderdale**
Public Works - Pipe Yard/Depot
949 NW 38th Street
Oakland Park FL 33309
Qty 200

Description

See Bid Specifications/Additional Requirements.

Item **432-11222--01-06 - Percent Discount off of the list price for parts.**
Quantity **1 percentage**
Percentage **15%**
Delivery Location **City of Fort Lauderdale**
Public Works - Pipe Yard/Depot

Sunstate Meter & Supply, Inc.
14001 W. Newberry Road
Newberry, FL 32069

BID/PROPOSAL SIGNATURE PAGE

How to submit bids/proposals: It is preferred that bids/proposals be submitted electronically at www.bidsync.com, unless otherwise stated in the bid packet. If mailing a hard copy, it will be the sole responsibility of the Bidder to ensure that the bid reaches the City of Fort Lauderdale, City Hall, Procurement Services Division, Suite 619, 100 N. Andrews Avenue, Fort Lauderdale, FL 33301, prior to the bid opening date and time listed. Bids/proposals submitted by fax or email will NOT be accepted.

The below signed hereby agrees to furnish the following article(s) or services at the price(s) and terms stated subject to all instructions, conditions, specifications addenda, legal advertisement, and conditions contained in the bid. I have read all attachments including the specifications and fully understand what is required. By submitting this signed proposal I will accept a contract if approved by the CITY and such acceptance covers all terms, conditions, and specifications of this bid/proposal.

Please Note: If responding to this solicitation through BidSync, the electronic version of the bid response will prevail, unless a paper version is clearly marked **by the bidder** in some manner to indicate that it will supplant the electronic version. All fields below **must** be completed. If the field does not apply to you, please note N/A in that field.

Submitted by

M. A. Ellenburg
(Authorized signature)

5/9/2013

(date)

Name (printed) N.A. Ellenburg

Title: President/Owner

Company: (Legal Registration) Sunstate Meter & Supply, Inc.

CONTRACTOR, IF FOREIGN CORPORATION, MAY BE REQUIRED TO OBTAIN A CERTIFICATE OF AUTHORITY FROM THE DEPARTMENT OF STATE, IN ACCORDANCE WITH FLORIDA STATUTE §607.1501 (visit <http://www.dos.state.fl.us/>).

Address: 14001 West Newberry Road

City: Newberry

State: Flroida

Zip: 32669

Telephone No. 352-332-5604 FAX

800-342-3409

No. al@sunstatemeter.com email:

or keith@sunstatemeter.com or jay@jaymeyers.com

Delivery: Calendar days after receipt of Purchase Order (section 1.02 of General Conditions): 30 Days ARO

Payment Terms (section 1.04): Net 30 Days Total Bid Discount (section 1.05): N/A

Does your firm qualify for MBE or WBE status (section 1.09): MBE ☐ WBE ☐ NO

ADDENDUM ACKNOWLEDGEMENT - Proposer acknowledges that the following addenda have been received and are included in the proposal:

Addendum No.

Date Issued

	<input type="checkbox"/> <input type="checkbox"/>
--	--

P-CARDS: Will your firm accept the City's Credit Card as payment for goods/services?

YES ☐NO ☒ *We do accept Electronic Funds Transfer*

VARIANCES: State any variations to specifications, terms and conditions in the space provided below or

Sunstate Meter & Supply, Inc.

14001 W. Newberry Road

Newberry, FL 32669

CAM 16-0238

Exhibit 1

Page 5 of 19

NON-COLLUSION STATEMENT:

By signing this offer, the vendor/contractor certifies that this offer is made independently and *free* from collusion. Vendor shall disclose below any City of Fort Lauderdale, FL officer or employee, or any relative of any such officer or employee who is an officer or director of, or has a material interest in, the vendor's business, who is in a position to influence this procurement.

Any City of Fort Lauderdale, FL officer or employee who has any input into the writing of specifications or requirements, solicitation of offers, decision to award, evaluation of offers, or any other activity pertinent to this procurement is presumed, for purposes hereof, to be in a position to influence this procurement.

For purposes hereof, a person has a material interest if they directly or indirectly own more than 5 percent of the total assets or capital stock of any business entity, or if they otherwise stand to personally gain if the contract is awarded to this vendor.

In accordance with City of Fort Lauderdale, FL Policy and Standards Manual, 6.10.8.3,

3.3. City employees may not contract with the City through any corporation or business entity in which they or their immediate family members hold a controlling financial interest (e.g. ownership of five (5) percent or more).

3.4. Immediate family members (spouse, parents and children) are also prohibited from contracting with the City subject to the same general rules.

Failure of a vendor to disclose any relationship described herein shall be reason for debarment in accordance with the provisions of the City Procurement Code.

<u>NAME</u>	<u>RELATIONSHIPS</u>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
	<input type="text"/>
	<input type="text"/>

In the event the vendor does not indicate any names, the City shall interpret this to mean that the vendor has indicated that no such relationships exist.

Sunstate Motor & Supply, Inc.
1400 Newberry Road
Newberry, FL 32669

**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

5/2/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Florida, Inc. c/o 26 Century Blvd. P.O. Box 305191 Nashville, TN 37230-5191	CONTACT NAME:	
	PHONE (A/C, No, Ext): (877) 945-7378 FAX (A/C, No): (888) 467-2378	
INSURED Sunstate Meter & Supply Co., Inc. 14001 W. Newberry Road Newberry, FL 32669	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Cincinnati Insurance Company	NAIC # 10677
	INSURER B: Continental Casualty Company	20443
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> GENERAL LIABILITY			CAP5152924	1/1/2013	1/1/2014	EACH OCCURRENCE \$ 1,000,000	
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000	
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY \$ 1,000,000	
	<input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC						GENERAL AGGREGATE \$ 2,000,000	
							PRODUCTS - COMP/OP AGG \$ 2,000,000	
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY			CAP5152924	1/1/2013	1/1/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000	
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$	
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident) \$	
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (PER ACCIDENT) \$	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB			CAP5152924	1/1/2013	1/1/2014	EACH OCCURRENCE \$ 2,000,000	
	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						AGGREGATE \$ 2,000,000	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			2011566435	9/21/2012	9/21/2013	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N <input checked="" type="checkbox"/> Y	N/A				E.I. EACH ACCIDENT \$ 500,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.I. DISEASE - EA EMPLOYEE \$ 500,000	
							E.I. DISEASE - POLICY LIMIT \$ 500,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: Bid #432-11222- Positive Displacement Cold Water Meters (Annual Contract)

CERTIFICATE HOLDER**CANCELLATION**

City of Fort Lauderdale
Procurement Services Division
100 N. Andrews Avenue, Room 619
Fort Lauderdale, FL 33301

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jason Wojniak

CERTIFICATE OF INSURANCE

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW.

FLORIDA FARM BUREAU INSURANCE COMPANIES P.O. BOX 147030 GAINESVILLE, FLORIDA 32614-7030	COMPANIES AFFORDING COVERAGES: Company Letter A: Florida Farm Bureau General Ins. Co. Company Letter B: Florida Farm Bureau Casualty Ins. Co.
NAME AND ADDRESS OF INSURED: SUN STATE METER & SUPPLY INC 14001 W NEWBERRY RD NEWBERRY FL 032669	

The policies of insurance listed below have been issued to the insured named above and are in force at this time. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

CO. LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN <u>THOUSANDS</u>	
	General Liability: <input type="checkbox"/> Commercial General Liability (Occurrence Form) <input type="checkbox"/> Owner's & Contractor's Protective <input type="checkbox"/> Farmer's Personal Liability				General Aggregate	\$
					Products-completed operations aggregate	\$
					Personal & Advertising Injury	\$
					Each Occurrence	\$
					Fire Damage (Any one fire)	\$
					Medical Expense (Any one person)	\$
B	Automobile Liability: <input type="checkbox"/> Any auto <input type="checkbox"/> All owned autos <input checked="" type="checkbox"/> Scheduled autos <input type="checkbox"/> Hired autos <input type="checkbox"/> Non-owned autos	AB 1249375	08/05/12	08/05/13	Combined Single Limit	\$
					Bodily Injury (Per Person)	\$ 300
					Bodily Injury (Per Accident)	\$ 500
					Property Damage	\$ 100
	Excess Liability: <input type="checkbox"/> Umbrella Form <input type="checkbox"/> Other than Umbrella form				Each Occurrence	\$
	Employers Liability: <input type="checkbox"/> Farm Employer's Liability <input type="checkbox"/> Farm Employee's Medical					\$ (Each Occurrence)
						\$ (Each Employee)
	Other:					\$

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES:
 BID #432-11222- POSITIVE DISPLACEMENT COLD WATER METERS (ANNUAL CONTRACT)

CANCELLATION: Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 10 days written notice to the below named certificate holder, but failure to mail such notice shall impose no obligation or liability of any kind upon the company.

NAME AND ADDRESS OF CERTIFICATE HOLDER: CITY OF FORT LAUDERDALE PROCUREMENT SERVICES DIVISION 100 N. ANDREWS AVENUE, ROOM 619 FORT LAUDERDALE, FLORIDA 33301	COUNTY CODE <u>01</u> DATE ISSUED <u>05/02/13</u> Served by <u>ALACHUA</u> County Farm Bureau <u>SEAN F MCNEILL, INC, CASL, CHFC, CLU, LUTCF</u> AUTHORIZED REPRESENTATIVE
---	---



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/02/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER
CS&S/WILLIS OF FLORIDA INC
PO BOX 946580
MAITLAND, FL 32794-6580
Phone - 800-854-9733
Fax - 877-763-5122

CONTACT

NAME:

PHONE

(A/C, No, Ext):

FAX

(A/C, No):

E-MAIL

ADDRESS:

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A:

INSURER B:

INSURER C:

INSURER D:

INSURER E: Continental Casualty Company

20443

INSURER F:

INSURED
SUNSTATE METER&SUPPLY CO INC
14001 W NEWBERRY ROAD
NEWBERRY, FL 32669

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

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INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE AGGREGATE
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N	N	2011566435	09/21/2012	09/21/2013	<input checked="" type="checkbox"/> WC STATU- TORY LIMITS <input type="checkbox"/> OTH- ER E.L. EACH ACCIDENT \$500,000 E.L. DISEASE - EA EMPLOYEE \$500,000 E.L. DISEASE - POLICY LIMIT \$500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

B #432-11222 - positive displacement cold water meters annual contract

CERTIFICATE HOLDER

City of Fort Lauderdale
Procurement Services Division
100 N. Andrews Ave., Room 619
Fort Lauderdale, FL 33301

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ARB® UTILITY MANAGEMENT SYSTEMS™


NEPTUNE
TECHNOLOGY GROUP

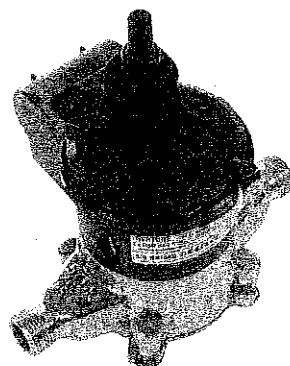
T-10 METER

SIZES: 5/8", 3/4", and 1"



CONSTRUCTION

Every T-10 water meter meets or exceeds the latest AWWA C700 Standard. Its nutating disc, positive displacement principle has been time-proven for accuracy and dependability since 1892, ensuring maximum utility revenue.



T-10 water meters are warranted for performance, materials, and workmanship.

The T-10 water meter consists of three major assemblies: a register, a lead free high copper alloy maincase, and a nutating disc measuring chamber.

The T-10 meter is available with a variety of register types. For reading convenience, the register can be mounted in one of four positions on the meter.

The corrosion-resistant lead free high copper alloy maincase will withstand most service conditions; internal water pressure, rough handling, and in-line piping stress.

The innovative floating chamber design of the nutating disc measuring element protects the chamber from frost damage while the unique chamber seal extends the low flow accuracy by sealing the chamber outlet port to the maincase outlet port. The nutating disc measuring element utilizes corrosion-resistant materials throughout and a thrust roller to minimize wear.

WARRANTY

Neptune provides a limited warranty with respect to its T-10 water meters for performance, materials, and workmanship.

When desired, maintenance is easily accomplished either by replacement of major assemblies or individual components.

GUARANTEED SYSTEMS COMPATIBILITY

All T-10 water meters are guaranteed adaptable to our ARB®V, ProRead™ (ARB VI) AutoDetect, E-Coder® (ARB VII), E-Coder®)R900/™, TRICON®/S, TRICON/E®3, and Neptune meter reading systems without removing the meter from service.

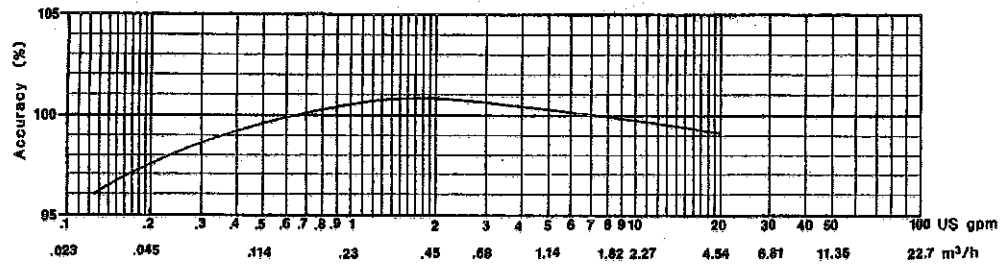
KEY FEATURES

- Register
 - Magnetic drive, low torque registration ensures accuracy
 - Impact-resistant register
 - High resolution, low flow leak detection
 - Bayonet style register mount allows in-line serviceability
 - Tamperproof seal pin deters theft
 - Date of manufacture, size, and model stamped on dial face
- Lead Free Maincase
 - Made from lead free high copper alloy
 - NSF/ANSI 61 certified, Annex F and Annex G compliant
 - Lifetime guarantee
 - Resists internal pressure stresses and external damage
 - Handles in-line piping variations and stresses
 - Lead free high copper alloy provides residual value vs. plastic or composite
 - Electrical grounding continuity
- Nutating Disc Measuring Chamber
 - Positive displacement
 - Widest effective flow range for maximum revenue
 - Proprietary polymer materials maximize long-term accuracy
 - Floating chamber design is unaffected by meter position or in-line piping stresses

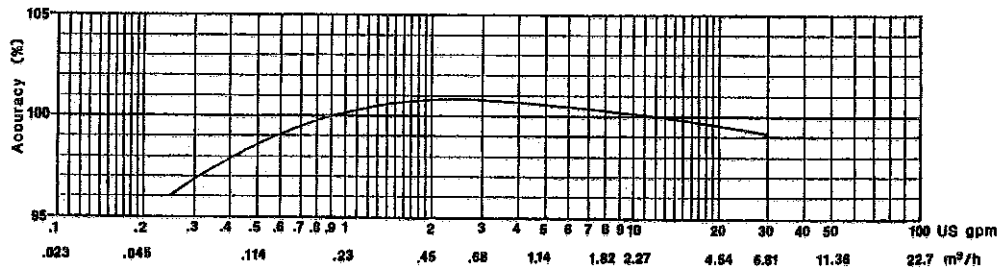
SYSTEMS COMPATIBILITY

Adaptability to all present and future systems for flexibility is available only with Neptune's ARB® Utility Management Systems™.

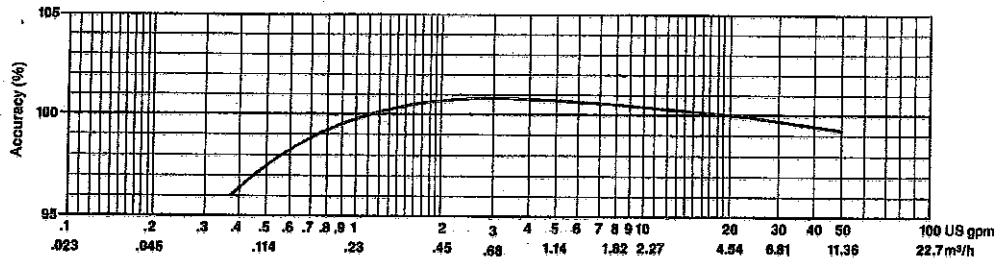
5/8" ACCURACY



3/4" ACCURACY



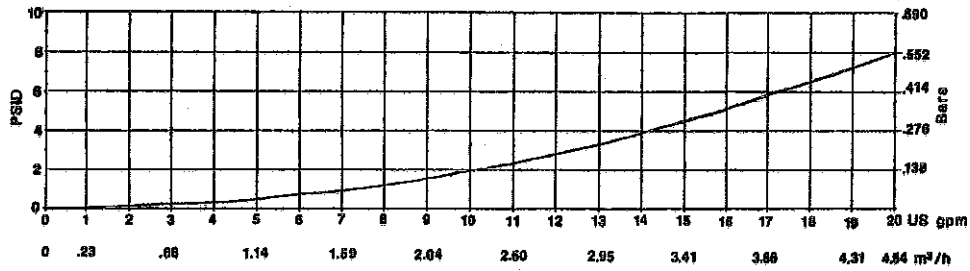
1" ACCURACY



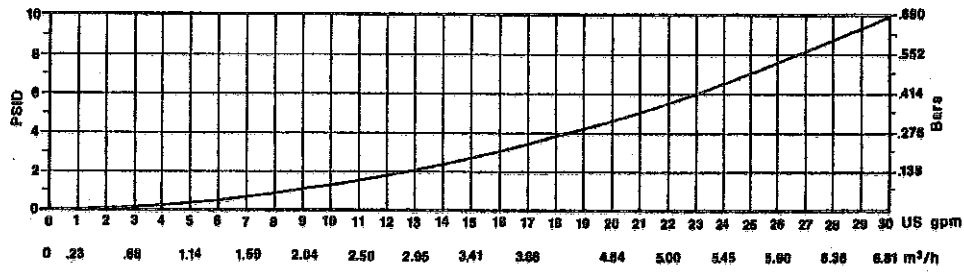
DIMENSIONS

Meter Size	A in/mm	B in/mm	C-Std. in/mm	C-ARB in/mm	C E-Coder) R900/ in/mm	D Threads per inch	D-OD in/mm	E in/mm	F in/mm	Weight lbs/kg
5/8"	7 1/2 191	3 5/8 92	4 3/8 111	5 1/4 133	6 7/8 175	14	1.03 26	1 1/2 38	2 1/2 64	3 1/4 1.4
5/8" x 3/4"	7 1/2 191	3 5/8 92	4 3/8 111	5 1/4 133	6 7/8 175	11 1/2	1.29 33	1 1/2 38	2 5/8 67	3 3/8 1.5
Circa 2011 5/8"	7 1/2 191	3 5/8 92	4 7/8 124	5 3/4 146	7 3/8 187	14	1.03 26	1 5/8 41	2 1/2 64	3 3/4 1.7
Circa 2011 5/8" x 3/4"	7 1/2 191	3 5/8 92	4 7/8 124	5 3/4 146	7 3/8 187	11 1/2	1.29 33	1 5/8 41	2 5/8 67	4 1.8
3/4"	9 229	4 3/8 111	5 1/2 140	6 1/4 159	7 7/8 200	11 1/2	1.29 33	1 7/8 48	2 5/8 67	6 2.7
3/4" SL	7 1/2 911	4 3/8 111	5 1/2 140	6 1/4 159	7 7/8 200	11 1/2	1.29 33	1 7/8 48	2 5/8 67	5 1/2 2.5
3/4" x 1"	9 229	4 3/8 111	5 1/2 140	6 1/4 159	7 7/8 200	11 1/2	1.62 41	1 7/8 48	2 3/4 70	6 1/2 2.9
1"	10 3/4 273	6 1/2 165	6 3/8 162	7 1/8 181	8 3/4 222	11 1/2	1.62 41	2 1/8 54	2 3/4 70	9 3/4 4.4
1" x 1 1/4"	10 3/4 273	6 1/2 165	6 3/8 162	7 1/8 181	8 3/4 222	11 1/2	1.86 47	2 1/8 54	2 13/16 71	10 1/4 4.6

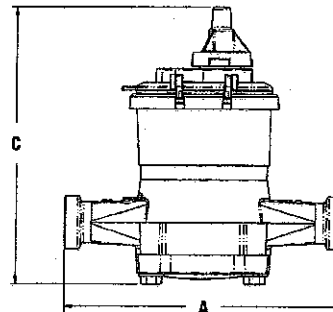
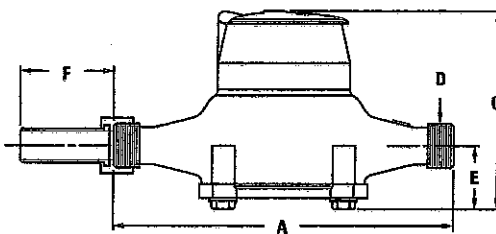
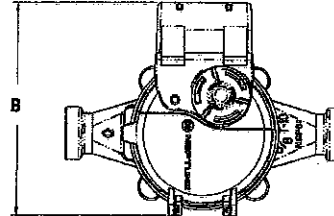
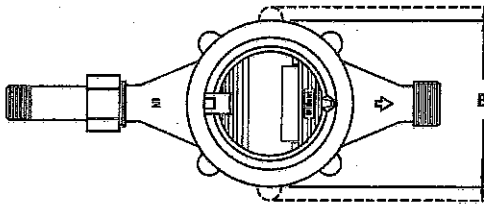
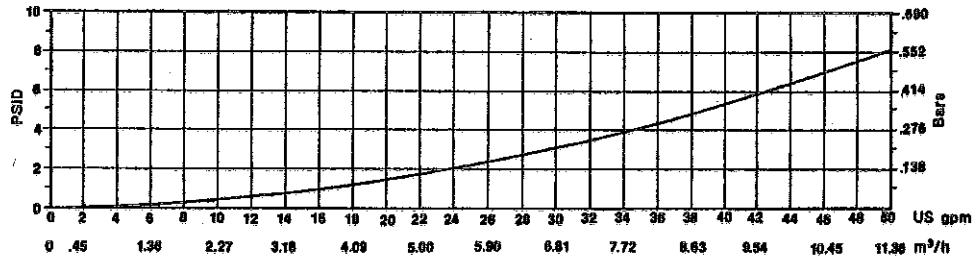
5/8" PRESSURE LOSS



3/4" PRESSURE LOSS



1" PRESSURE LOSS



OPERATING CHARACTERISTICS:

Meter Size	Normal Operating Range @ 100% Accuracy (+/- 1.5%)	AWWA Standard	Low Flow @ 95% Accuracy
5/8"	1/2 to 20 US gpm 0.11 to 4.55 m³/h	1 to 20 US gpm 0.23 to 4.5 m³/h	1/8 US gpm 0.03 m³/h
3/4"	3/4 to 30 US gpm 0.17 to 6.82 m³/h	2 to 30 US gpm 0.45 to 6.8 m³/h	1/4 US gpm 0.06 m³/h
1"	1 to 50 US gpm 0.23 to 11.36 m³/h	3 to 50 US gpm 0.68 to 11.4 m³/h	3/8 US gpm 0.09 m³/h

REGISTRATION:

Pro Read Registration (per sweep hand revolution)		5/8"	3/4" & 1"
10	US Gallons	✓	✓
10	Imperial Gallons	✓	✓
1	Cubic Foot	✓	✓
0.1	Cubic Metre	✓	✓
0.01	Cubic Metre	✓	
Register Capacity		5/8"	3/4" & 1"
ProRead & E-Coder		5/8"	3/4" & 1"
10,000,000	US Gallons	✓	✓
10,000,000	Imperial Gallons	✓	✓
1,000,000	Cubic Feet	✓	✓
100,000	Cubic Metres	✓	✓
10,000	Cubic Metres	✓	
E-Coder High Resolution (8-digit reading)		5/8"	3/4" & 1"
0.1	US Gallons	✓	✓
0.1	Imperial Gallons	✓	✓
0.01	Cubic Feet	✓	✓
0.001	Cubic Metres	✓	✓

SPECIFICATIONS

- NSF/ANSI 61 certified, Annex F and Annex G compliant
- National Type Evaluation Program (NTEP) certification
- Application: Cold water measurement of flow in one direction in residential service applications
- Maximum operating water pressure: 150 psi (1034 kPa)
- Maximum operating water temperature: 80°F
- Measuring chamber: Nutating disc technology design made from proprietary synthetic polymer

OPTIONS

- Sizes:
 - 5/8", 5/8" x 3/4"
 - 3/4", 3/4" SL, 3/4" x 1"
 - 1", 1" x 1 1/4"
- Units of measure: U.S. gallons, imperial gallons, cubic feet, cubic metres
- Register types:
 - Direct reading: Bronze box and cover (standard)
 - Remote reading: ProRead Encoder, E-Coder, E-Coder/R900i, TRICON/S, TRICON/E3
 - Reclaim
- Bottom caps:
 - Synthetic polymer (5/8" only)
 - Cast iron
 - Lead free high copper alloy
- Connections:
 - Lead free high copper alloy, straight or bent
- Environmental conditions:
 - Operating temperature: 33° F to 149° F (0° C to 65° C)
 - Storage temperature: 33° F to 158° F (0° C to 70° C)

Neptune Technology Group Inc.
1600 Alabama Highway 229
Tallahassee, AL 38078
USA
Tel: (800) 645-1892
Fax: (334) 283-7293

Neptune Technology Group (Canada) Ltd.
7275 West Credit Avenue
Mississauga, Ontario
L5N 5M9
Canada
Tel: (905) 858-4211
Fax: (905) 858-0428

Neptune Technology Group Inc.
Ejército Nacional No. 418
Piso 12, Desp. 1201-1202
Col. Chapultepec Morales
Delegación Miguel Hidalgo
11570 México, Distrito Federal
Tel: (525) 55203 5294 / (525) 55203 5708
Fax: (525) 55203 6503



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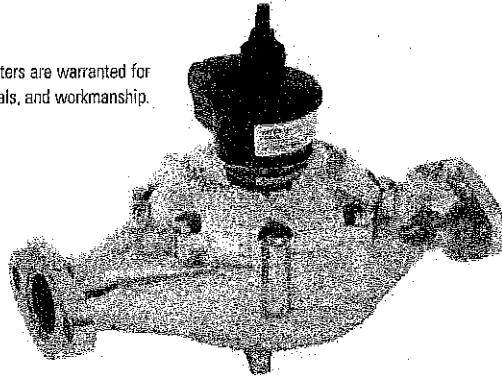
ARB® UTILITY MANAGEMENT SYSTEMS™


NEPTUNE
TECHNOLOGY GROUP

T-10 METER

SIZES: 1 1/2" and 2"


T-10 water meters are warranted for performance, materials, and workmanship.



Every T-10 water meter meets or exceeds the latest AWWA C700 Standard. Its nutating disc, positive displacement principle has been time-proven for accuracy and dependability since 1892, ensuring maximum utility revenue.

The T-10 water meter consists of three major assemblies: a register, a lead free high copper alloy maincase, and a nutating disc measuring chamber.

The T-10 meter is available with a variety of register types. For reading convenience, the register can be mounted in one of four positions on the meter.

The corrosion-resistant lead free high copper alloy maincase will withstand most service conditions: internal water pressure, rough handling, and in-line piping stress.

The innovative floating chamber design of the nutating disc measuring element protects the chamber from frost damage while the unique chamber seal extends the low flow accuracy by sealing the chamber outlet port to the maincase outlet port. The nutating disc measuring element utilizes corrosion-resistant materials throughout and a thrust roller to minimize wear.

Neptune provides a limited warranty with respect to its T-10 water meters for performance, materials, and workmanship.

When desired, maintenance is easily accomplished either by replacement of major assemblies or individual components.

KEY FEATURES

Register

- Magnetic drive, low torque registration ensures accuracy
- Impact-resistant register
- High resolution, low flow leak detection
- Bayonet style register mount allows in-line serviceability
- Tamperproof seal pin deters theft
- Date of manufacture, size, and model stamped on dial face

Lead Free Maincase

- Made from lead free high copper alloy
- NSF/ANSI 61 Certified, Annex G and Annex F compliant
- Lifetime guarantee
- Resists internal pressure stresses and external damage
- Handles in-line piping variations and stresses
- Lead free high copper alloy provides residual value vs. plastic
- Electrical grounding continuity

Nutating Disc Measuring Chamber

- Positive displacement
- Widest effective flow range for maximum revenue
- Proprietary polymer materials maximize long term accuracy
- Floating chamber design is unaffected by meter position or in-line piping stresses

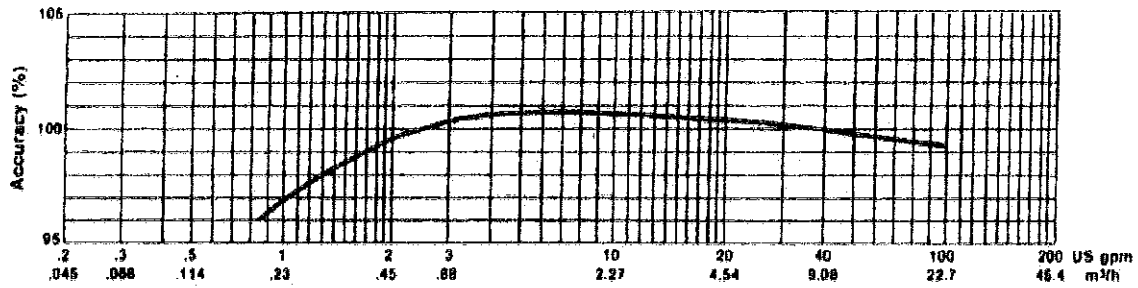
SYSTEMS COMPATIBILITY

Adaptability to all present and future systems for flexibility is available only with Neptune's ARB® Utility Management Systems™.

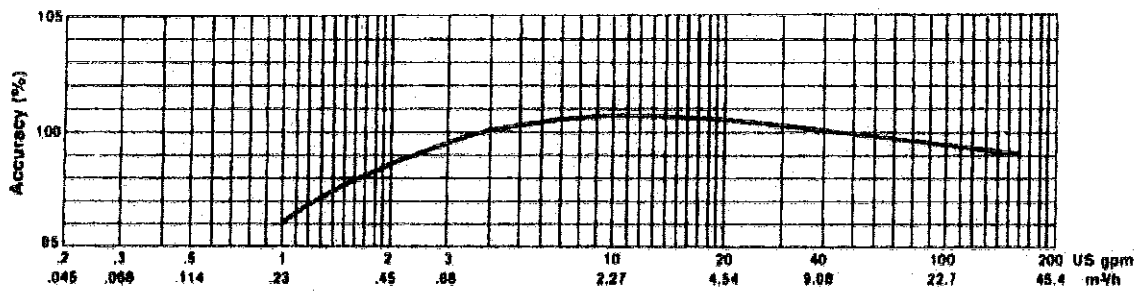
CONSTRUCTION

WARRANTY

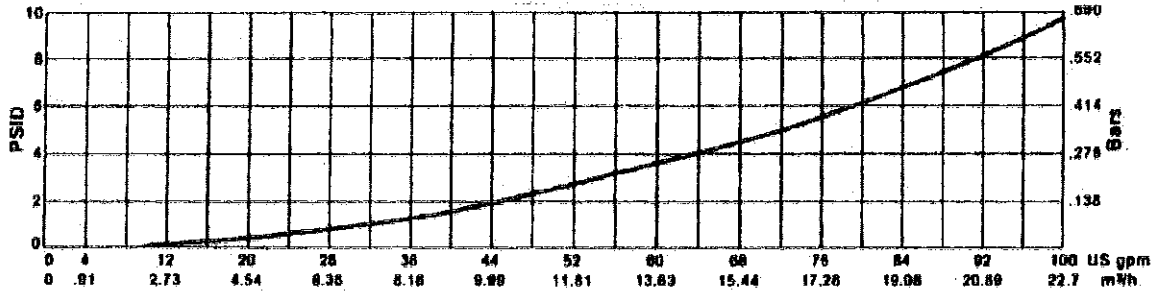
1 1/2" ACCURACY



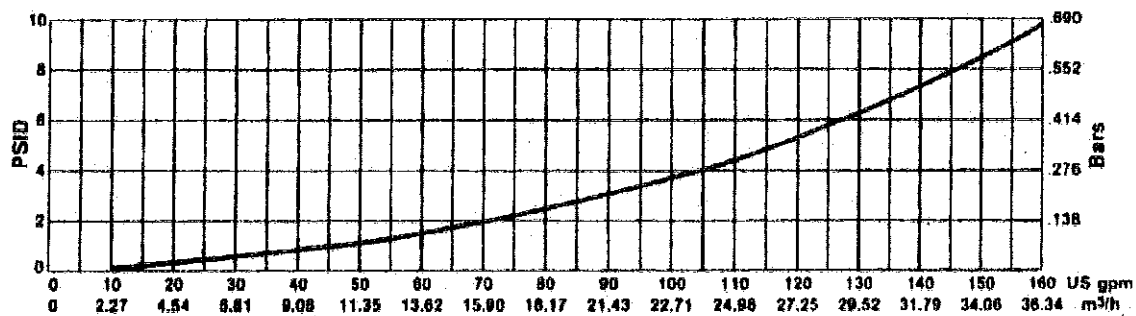
2" ACCURACY



1 1/2" PRESSURE LOSS



2" PRESSURE LOSS



These charts show typical meter performance. Individual results may vary.

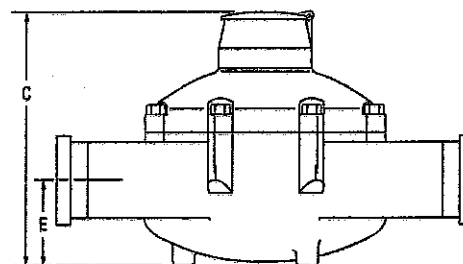
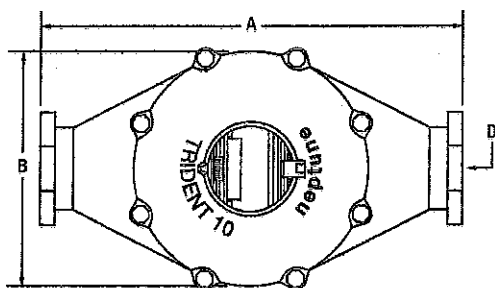
OPERATING CHARACTERISTICS

Meter Size	Normal Operating Range @100% Accuracy ($\pm 1.5\%$)	AWWA Standard	Low Flow @ 95% Accuracy
1 1/2"	2 to 100 US gpm 0.46 to 22.73 m ³ /h	5 to 100 US gpm 1.1 to 22.7 m ³ /h	3/4 US gpm 0.17 m ³ /h
2"	2 1/2 to 160 US gpm 0.57 to 36.36 m ³ /h	8 to 160 US gpm 1.8 to 36.3 m ³ /h	1 US gpm 0.23 m ³ /h

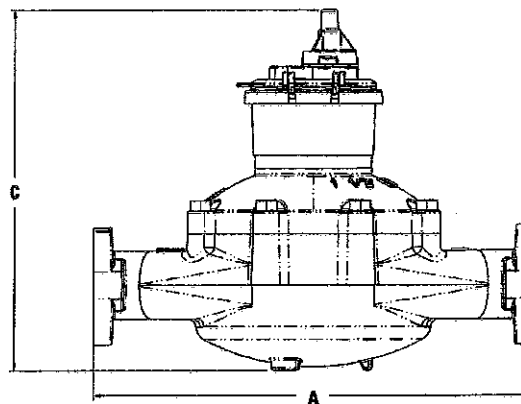
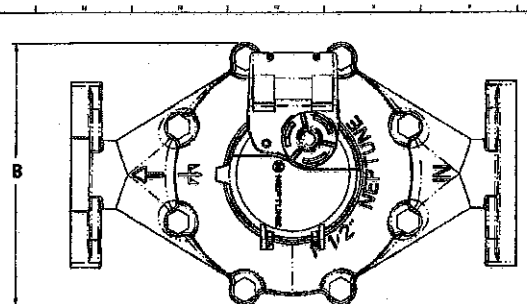
DIMENSIONS

Meter Size	A in/mm	B in/mm	C-Std. in/mm	C-ARB in/mm	C-E-Coder) R900/ TM	D-Threads per Inch	D-Thread Type	E in/mm	Weight lbs/kg
1 1/2" Screw End	12 3/4 321	8 1/8 205	8 1/4 206	8 1/8 220.3	10 3/8 225.4	11 1/2	1 1/2 NPT	2 3/8 65	31 14.1
1 1/2" Flanged End	13 330	8 1/8 205	8 1/4 206	8 1/8 220.3	10 3/8 225.4	—	—	2 3/8 65	35 15.9
2" Screw End	15 1/4 387	9 1/8 240	9 3/8 237	9 1/8 248.4	11 3/8 289	11 1/2	2" NPT	3 1/4 79	40 18.1
2" Flanged End	17 432	9 1/8 240	9 3/8 237	9 1/8 248.4	11 3/8 289	—	—	3 1/4 79	44 20.0

T-10 WITH STANDARD REGISTER



T-10 WITH E-CODER/R900/ PIT REGISTER



GUARANTEED SYSTEMS COMPATIBILITY

All T-10 meters are guaranteed adaptable to our ARB®V, ProRead™ (ARB VI), E-Coder® (ARB VII), E-Coder®R900™, TRICON®/S, TRICON/E®3, and Neptune ARB Utility Systems without removing the meter from service.

REGISTRATION

ProRead Registration			
(per sweep hand revolution)		1 1/2"	2"
100	US Gallons	✓	✓
100	Imperial Gallons	✓	✓
10	Cubic Feet	✓	✓
1	Cubic Metre		✓
0.1	Cubic Metre	✓	
Register Capacity			
ProRead & E-Coder		1 1/2"	2"
100,000,000	US Gallons	✓	✓
100,000,000	Imperial Gallons	✓	✓
10,000,000	Cubic Feet	✓	✓
100,000	Cubic Metres	✓	✓
E-Coder High Resolution			
(8-digit reading)		1 1/2"	2"
1	US Gallons	✓	✓
1	Imperial Gallons	✓	✓
.01	Cubic Feet	✓	✓
0.001	Cubic Metres	✓	✓

SPECIFICATIONS

- Certification: NSF/ANSI 61, Annex G and Annex F
- Application: cold water measurement of flow in one direction
- Maximum operating water pressure: 150 psi (1034 kPa)
- Maximum operating water temperature: 80°F
- Measuring chamber: nutating disc technology design made from proprietary synthetic polymer

OPTIONS

- Sizes:
 - 1 1/2" flanged or threaded end
 - 2" flanged or threaded end
- Units of measure: U.S. gallons, imperial gallons, cubic feet, cubic metres
- Register types:
 - Direct reading: Bronze box and cover (standard)
 - Remote reading: ProRead Absolute Encoder, E-Coder, E-Coder®R900/, TRICON/S, TRICON/E3
 - Reclaim
- Measuring chamber: synthetic polymer
- Companion flanges: cast iron or lead free high copper alloy
- Environmental Conditions:
 - Operating temperature: 33°F to 149°F (0°C to 65°C)
 - Storage temperature: 33°F to 158°F (0°C to 70°C)
- Test Ports: 1"

Neptune engages in ongoing research and development to improve and enhance its products. Therefore, Neptune reserves the right to change product or system specifications without notice.

Neptune Technology Group Inc.
1600 Alabama Highway 229
Tallahassee, AL 36078
USA
Tel: (800) 645-1892
Fax: (334) 283-7293

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NEPTUNE
TECHNOLOGY GROUP

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Neptune T-10, HP Turbine, TRU/FLO® Compound Cold Water Meters Warranty

ARB®
UTILITY
MANAGEMENT
SYSTEMS™

1. Terms of Limited Warranty.

With respect to its Neptune T-10, HP TURBINE, TRU/FLO® Compound Water Meters (collectively the "Water Meters"), Neptune Technology Group Inc. ("Neptune") warrants the following on meters sold on or after 1/1/92:

The Water Meters will be, at the later of (i) the date of original purchase from Neptune or (ii) the date of original shipment from Neptune-authorized distributor of Water Meters (that later date is referred to as "the Date of Shipment") and will remain for a period of eighteen (18) months from the Date of Shipment, or twelve (12) months from date of installation, whichever comes first, free from manufacturing defects in workmanship and material.

(a) **Maincase.** The no-lead high copper alloy or Brass maincase of the Water Meters will be at the Date of Shipment free from manufacturing defects in workmanship and material for the life of the Water Meter.

(b) **Frost Protection.** All Neptune T-10 Cold Water Meters shipped with a synthetic polymer or cast iron bottom cap will, commencing upon the Date of Shipment, be warranted against chamber damage for a period of ten (10) years.

(c) **Registers.** Standard, roll sealed registers of the Water Meters will be at the Date of Shipment, and shall remain for the following periods, free from manufacturing defects in workmanship and material for a period of ten (10) years. The ARB®, ProRead® (ARB VII), and E-Coder® (ARB VII) system registers are warranted for ten (10) years from Date of Shipment. All ProRead encoder receptacles shipped after January 1, 2001 shall be warranted for five years from the Date of Shipment. All other components and parts are covered under Neptune's standard one-year material and workmanship guarantee.

(d) **Meter Accuracy for Neptune T-10.** Neptune T-10 Meters and Neptune T-10 nutating disc chambers in TRU/FLO Compound Water Meters are warranted to meet or exceed, as listed herein, accuracy standards of the AWWA Standard C700-95 for a period of (i) five (5) years from Date of Shipment for 5/8", 3/4" and 1" meters; (ii) for a period of two (2) years from the Date of Shipment for 1 1/2" and 2" meters; or (iii) the applicable registration shown below, whichever occurs first. Neptune further guarantees that the Neptune T-10 and Neptune T-10 nutating disc chambers in TRU/FLO Compound Water Meters will perform to at least Repeated Meter Accuracy Standards, according to AWWA Manual M-6 Chapter 5 (1999) Table 5.3 for an additional ten (10) years or the registration shown below, whichever occurs first.

(e) **Meter Accuracy for HP Turbine and TRU/FLO.** The HP Turbine and TRU/FLO Compound Cold Water Meters will perform, for a period of one (1) year from the Date of Shipment, to American Water Works Association ("AWWA") accuracy standards for new water meters.

SIZE	EXTENDED LOW FLOW ACCURACY	NEW METER ACCURACY	REPAIRED METER ACCURACY
5/8" & 3/4"	1/4 US gpm @ 95% 5 years or 500,000 gallons	500,000 gallons	1,500,000 gallons
3/4"	1/4 US gpm @ 95% 5 years or 750,000 gallons	750,000 gallons	2,250,000 gallons
1"	3/4 US gpm @ 95% 5 years or 1,000,000 gallons	1,000,000 gallons	3,000,000 gallons
1 1/2"	1 US gpm @ 95% 2 years or 1,500,000 gallons	1,500,000 gallons	5,000,000 gallons
2"	1 US gpm @ 95% 2 years or 2,700,000 gallons	2,700,000 gallons	8,000,000 gallons

WATER 09.11



NEPTUNE
TECHNOLOGY GROUP INC.



2. Warranty Return.

If a Neptune Water Meter fails an accuracy test during an applicable warranty period, it may be returned to Neptune for repair or replacement at Neptune's option. An accuracy test shall be conducted by the customer according to AWWA standards. Any meter being returned for repair to Neptune under this performance guarantee must be returned with a copy of the customer's test results. If the meter is returned to Neptune without a copy of the test results or if Neptune's factory test shows the meter to meet current AWWA standards, the customer will be charged a nominal testing fee by Neptune in such cases. Neptune will repair or replace the meter at Neptune's option after the meter has been tested by Neptune. Meters repaired or replaced under the performance guarantee will be guaranteed to perform to AWWA repaired meter accuracy standards.

3. Warranties are exclusive.

The warranties set forth in this certificate of warranty are in lieu of any other warranty, guarantee, or representation, whether expressed or implied, including without limitation, the warranty of merchantability and the warranty of fitness for a particular purpose.

4. Damages limited to costs of replacement and repair.

If the Water Meter fails to meet the warranties set forth in Paragraph 1 of this Certificate of Warranty, Neptune, at its option shall, without change of labor or materials, repair or replace the Water Meter or part thereof, provided that (a) the Water Meter is delivered to a Neptune representative, (b) the Water Meter is accompanied by a Return Material Authorization (RMA), and (c) all costs of delivery to Neptune are assumed by the purchaser of the Water Meter. Neptune's liability is limited to its costs of replacement and repair of the defective water meter. Damages resulting from miscalculation of water usage or lost revenue or profit are not recoverable from Neptune. It is the responsibility of the customer to periodically verify the operation and accuracy of its meters.

5. Warranties are inapplicable under certain conditions.

The warranties set forth in this Certificate of Warranty do not apply to any Water Meter that has been damaged by, or subjected to, conditions which, in the opinion of Neptune, have affected the Water Meter's ability of performance, including but not limited to: misuse, improper handling, application or installation, excessive operating conditions, foreign materials in the water, aggressive water conditions, tampering or unauthorized repairs or modifications, accidental or intentional damage, acts of God. This Certificate of Warranty shall not apply if product is placed in non-recommended installation, is connected or altered by other than Neptune recommended procedures, is used with other than genuine Neptune meter registers and components, or read by equipment not approved or licensed by Neptune. Neptune makes no claims concerning operability and/or compatibility or third party reading systems. In addition, this Certificate of Warranty shall not apply if third party reading equipment is believed to have caused damage to the meter or register. In order to determine its liability, if any, under this Certificate of Warranty, Neptune shall have the right to inspect any Water Meter or part thereof that is claimed to be defective at Neptune or other location designated by Neptune.

NEPTUNE'S LIABILITY WITH RESPECT TO BREACHES OF THE FOREGOING LIMITED WARRANTY SHALL BE LIMITED AS STATED HEREIN. NEPTUNE'S LIABILITY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE. NEPTUNE SHALL NOT BE SUBJECT TO AND DISCLAIMS THE FOLLOWING: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS INCLUDING NEGLIGENCE AND STRICT LIABILITY OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY NEPTUNE, OR ANY UNDERTAKINGS, ACT OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL, SPECIAL, MULTIPLE, EXEMPLARY, AND PUNITIVE DAMAGES WHATSOEVER.