



Quality SURE SHOT[®] Meter Tubes

Timely Orifice Fitting, Meter Tube and Measurement Skids

When you need a quality orifice fitting or a complete meter tube assembly, TMCo delivers. We stock most popular orifice fitting sizes and inventory parts for a rapid fabrication of meter tubes. For more complex meter tube assemblies, TMCo engineering can assist with your mechanical, electrical and instrumentation requirements. In short, if it is not in stock, we can efficiently design and fabricate a unit built to your specification or performance requirements.

Meter Tubes

TMCo meter tubes are fabricated with honed pipe or “meter tube quality” cold drawn seamless tubing. All TMCo meter-tube assemblies are designed, fabricated, inspected and tested in compliance with the recognized AGA3/API 14.3 and ISO 5167-1:2003 Natural Gas Publications. Two and three section meter tube assemblies are available with our field proven Sure Shot® orifice fittings.



IF NOT IN STOCK,
WE ARE POSITIONED
TO DELIVER QUALITY
METER TUBES QUICKLY.

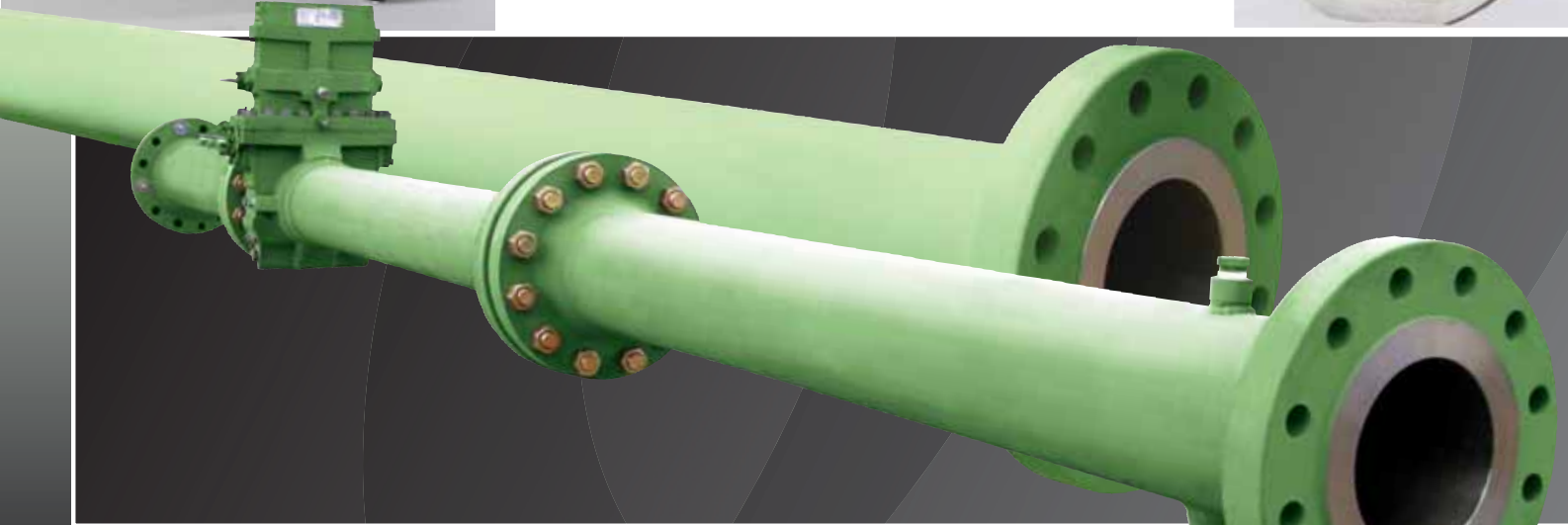
TMCo Meter Tubes

- Sizes 2”-6” Single Chamber Orifice Fitting
- 2”-16 Dual Chamber Orifice Fittings
- ANSI Classes - 150 - 600
- Schedule 40,60, 80 pipe
- 2 or 3 sections
- Flow Conditioners/Straightners
- Thermowell Taps: 1/2 “ to 1”, Quantity, Location
- Thermowell Tap Type: TOL, Half Coupling, Full Coupling, SW
- Ends: Beveled, Flanged or Threaded
- Meter Ends: BW x BW, BW x FL or FL x FL
- Testing: Hydrostatic, Plate Seal Leak, NDE
- Design calculations: Minimum wall, Pipe Stress, Uncertainty
- Coatings: TMCo primer or as specified
- Documentation: Paper and/or Electronic





ALL TMCO
METER TUBES MEET
AGA 3/API 14.3 OR
ISO 5167-2:2003



Two Section Meter Tubes

TMCo two-section meter tubes contain a minimum length of straight pipe upstream (UL) of the orifice fitting as required. Two section meter tubes with or without flow straighteners are available.

Three section Meter Tubes With Flow Conditioner/Straightener

Three section meter tubes contain a minimum length of straight pipe upstream (UL1) of the flow conditioner.

Mating flanges connect the UL1 to the second upstream section (UL2) containing the flow conditioner/straightener. A spacer plate is typically mounted just upstream the flow conditioner within the same flanged connection. Downstream the orifice fitting, a straight section of pipe (DL) is included. Branch connections can be installed beyond the minimum (DL) required by AGA3/API14.3: 2000 or ISO 5167:2003.



ALL SURE SHOT ORIFICE FITTINGS ARE HYDROSTATICALLY TESTED 1.5 TIMES THEIR CWP.

The TCo. Sure Shot® Advantage

For reliable meter tubes, we start with our proven orifice fittings. Since 2003 TCo, Incorporated has manufactured Sure Shot® Single and Dual chamber fittings. Both orifice fittings are unique robust designs that are widely accepted in the industry. With few moving parts, the Sure Shot® is easy to maintain and designed to last. Each Sure Shot® orifice fitting is hydrostatically tested 1.5 times its rated CWP, positive plate seal, pressure tap integrity, seal protrusion, orifice fitting and eccentricity tested before leaving the factory.



SURE SHOT® Dual Chamber Orifice Fitting

- Two-piece body allows fast, safe inexpensive orifice plate change under pressure
- Protected positive orifice plate seal design extends service life
- Meets or exceeds all industry specifications (AGA3/API 14.3)
- 2"-16" ANSI Classes 150-600. For higher ratings consult factory
- Few moving parts, positive sealing with low maintenance
- Unique safety lock prevents accidental opening under pressure while removing the orifice plate, indicates proper carrier location, and provides precise plug operation positioning



SURE SHOT® Single Chamber Orifice Fitting

- One piece body allows fast inexpensive orifice plate change
- Protected positive orifice plate seal design extends service life
- Meets or exceeds all industry specifications (AGA3/API14.3)
- 2" thru 6" ANSI Classes 150-900. For higher ratings consult factory.

ONLY
EXPERIENCED CRAFTSMEN
GRIND ALL ID SURFACE WELDS
TO THE
EXACT REQUIREMENTS
OF RECOGNIZED
STANDARDS.



TMCo Quality

TMCo specialists coordinate the product design and application between shop fabrication, vendors and customers. All TMCo welders are certified to ASME IX. Specially designed fabrication equipment assures smooth meter tube inlet and outlet pipe ID surfaces throughout manufacture. Only experienced craftsmen grind all ID surface welds to the exact requirements of recognized standards.

- All critical meter tube fabrication data is recorded, verified and complies with all recognized industry codes, API or ISO 5167 standards and the TMCo ISO 9001:2000 approved quality program.
- Each meter is inspected in accordance to AGA3/API 14.3 or ISO-5167 standards.
- Radiography and NDE testing is subcontracted to quality ASME V and IX and API-1104. recognized vendors.
- Third party and customer inspectors are welcome to review all procedures.



ALL CRITICAL METER TUBE FABRICATION DATA
IS RECORDED AND VERIFIED IN COMPLIANCE
TO CUSTOMER SPECIFICATIONS.

Packaged Systems

The in-house TMCo engineering staff includes mechanical, electrical and instrumentation experts. We are experienced in the design and manufacture of fully integrated skid-mounted modular metering stations, complete with valves, instrumentation and housing as required. All packaged systems are manufactured in accordance to API Measurement, ANSI Piping and AWS structural unit standards.



Customer Support

TMCo understands the importance of up time in every industry we serve. Whether we design and fabricate your equipment or you purchase a stock meter tube or orifice fitting, TMCo provides after the sale service and support. Technical and field support is available 24/7. We strive to provide the same high level of quality in our service as in the products and systems we manufacture.



- Operation and maintenance training
- Complete inventory of spare part stocked in all locations
- Service manuals and videos



10801 Hammerly Blvd. Suite 232
Houston, Texas 77043
Telephone: (713) 465-3255
Facsimile: (713) 465-3237
sales@tmcouusa.com

WWW.TMCOUSA.COM



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
== ISO 9001:2000 ==