



SOUTHWEST GAS CORPORATION

ENGINEERING STAFF

MATERIAL SPECIFICATION

Prepared By: Engineering Staff 

Approved By: Jerome T. Schmitz 

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|-------------------------|----------|
| Section No: | MS H-4 |
| Page No.: | 1 of 6 |
| Issue Date: | 03/01/16 |
| Superseded Date: | 02/24/15 |

GASKETS AND SEALANTS

Gaskets, Meter Connection

1. SCOPE

This specification covers the neoprene gaskets that are used on the connectors of meters listed below:

| AMERICAN | ROCKWELL |
|----------|----------|
| AL-175 | R175 |
| AL-250 | |
| AL-425 | |
| AL-800 | |
| AL-1000 | |
| W175 | |
| W210 | |
| W250 | |
| W300 | |

2. APPLICABLE DOCUMENTS

- 2.1 ANSI B 109.1, "Connection Dimensions Nominal", Appendix A.
- 2.2 ASTM International (ASTM) 735, "Pressure Vessel Plates, Low-Carbon Manganese-Molybdenum-Columbium Alloy Steel, for Moderate and Lower Temperatures."
- 2.3 United States Department of Transportation (DOT), Code of Federal Regulations (CFR), Title 49, Part 192, "Transportation of Natural and Other Gas by Pipeline; Minimum Safety Standards."

NOTE: Unless otherwise specified, the editions of the above documents incorporated by DOT 49 CFR 192 are applicable. Documents not incorporated by DOT 49 CFR 192 will be the most recent edition.



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3. TERMINOLOGY

3.1 General

- 3.1.1 “Southwest Gas,” “Southwest” or “SWG” wherever used in this specification and other related documents will refer exclusively to Southwest Gas Corporation.
- 3.1.2 The terms “approved,” “as approved,” “satisfactory,” “as directed,” “or equal” or other similar terms wherever used in this specification and other related documents will mean “as determined by Southwest Gas,” unless specifically stated otherwise.
- 3.1.3 “Product Information Package” or “PIP” wherever used in this specification and other related documents will mean the required technical product information that a manufacturer must submit to SWG to determine if the product is suitable for use by SWG.

4. MATERIALS AND MANUFACTURING

The gasket shall be made of neoprene conforming to applicable document ASTM 735.

5. DIMENSIONS AND TOLERANCES

Circular Gaskets

The circular gaskets for the meters listed in Section 1 shall be circular in shape and shall have a ± 0.032 inch I.D. tolerance a ± 0.025 inch flat thickness tolerance and a ± 0.016 inch gasket thickness tolerance.



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6. INSPECTION

- 6.1 Successful review of the Product Information Package (PIP), as well as any future reference by SWG to the Seller's part number or internal code number in any future contract or purchase, will mean only that no conflict with the specification was found and will not relieve the Seller from meeting all the requirements of this specification.
- 6.2 SWG retains the option to inspect the manufacture and testing of any and all materials, products or systems referenced in this specification that are sold to SWG.
- 6.3 SWG will make appropriate inspections and tests of any and all materials, products or systems supplied to this specification. SWG will have the right, at their option, to reject any material which fails to conform to this specification. Any such rejection may take place at the manufacturer's facility; the supplier's warehouse or any subsequent delivery location, before or after SWG assumes possession. Notice of the rejection will be made promptly to the supplier by SWG. The defective product will be replaced or returned for credit at the manufacturer's expense.
- 6.4 Any changes in the manufacturing of previously approved materials, products or systems described in this material specification for sale to SWG, must be approved by SWG's Engineering Staff. **Failure to obtain SWG's approval may be cause for rejection and disqualification as an approved supplier.**



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7. CERTIFICATION

The manufacturer's or supplier's certification shall be furnished to Southwest. This certification shall state that samples representing each lot have been manufactured, tested and inspected in accordance with this specification and that requirements have been met. When requested or specified in the purchase order or contract, a report of test results will be provided.

Upon the request of Southwest, the certification of an independent third party indicating conformance to the specification may be considered at Southwest's expense.

8. SAFETY DATA SHEETS

In accordance with law, the Seller will supply Safety Data Sheets for all applicable items supplied under this specification to the following:

- 1) The Receiving Location
- 2) Engineering Staff
- 3) Southwest Gas Corporation
Corporate Safety
Mail Station LVA-120
P.O. Box 98510
Las Vegas, NV 89193-8510

9. PRODUCT MARKING

All Meter Connection Gaskets sold to Southwest will be marked with the following:

- Manufacturer's name or trademark
- Manufacturer's part number
- Material identification
- ANSI Class

Southwest retains the right to require the Meter Connection Gasket to be marked with Southwest's purchase order number and/or heat code identity.



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9. PACKAGING AND PACKAGE MARKING

All products covered in this specification will be packaged in a manner to prevent damage during transportation and storage.

10. STOCK CLASSIFICATION DESCRIPTION

WASHER, NEOPRENE, 70, DURO (#___ SPRAGUE SWIVEL).

WASHER, NEOPRENE, 70, _____ (LT SWIVEL).