

AV Gasket Specification

1.0 SCOPE

All requirements are for EPDM, PVDF bonded EPDM, or PTFE bonded EPDM Low Torque AV Gaskets.

2.0 MATERIALS

PVDF – Conforming to ASTM D3222-91A Cell Classification Type II

EPDM – Ethylene Propylene Diene Terpolymer Rubber

PTFE - Teflon® Polytetrafluoroethylene

2.1 Material Continued

- Durometer values:
 - EPDM: 65 - 70
 - PTFE Bonded: 95 - 100
 - PVDF: 83 - 85
- Curing Process:
 - Sulfur cured

3.0 GASKETS

Gaskets shall be of Low Torque design, full face to ANSI B16.5 dimensions and have 2 raised convex rings concentric to center hole and bolt circle. Gaskets shall require about 1/3 the tightening torque of other flat type or envelope style gaskets.

3.1 Approved Manufacturer

Gaskets shall be provided by Asahi/America, Inc. of Lawrence, MA with no approved equals. Manufacturer must be ISO-9001 certified.

4.0 WORKING TEMPERATURES

Gaskets shall have temperature ratings as follows:

- EPDM: -40 to 195° F
- PVDF-bonded: -40 to 250° F
- PTFE-bonded: -40 to 250° F

5.0 INSTALLATION PROCEDURES

All valve joints shall be flanged and prepared using Asahi AV gaskets for 150 lb. flanges. The recommended bolt torque and installation procedure shall be to the manufacturer standard specifications and requirements.