



Specification for 760 Series Sliding Line Blinds

1. **Scope**
 - 1.1 This specification covers the standards, design, and manufacture of the 760 Series Sliding and Non-spreading Line Blinds as manufactured by Strahman Valves, Inc. in Bethlehem, PA.
2. **Standards**
 - 2.1 Designed to ASME B16.34
 - 2.2 Designed to API 607
 - 2.3 Design to International Standards such as ANSI, DIN, BS, JIS
 - 2.4 ASTM F1020-82, Line Blinds for marine applications
 - 2.5 ASME Sec II, Materials; ASME Sec VIII Div I, Construction of pressure valves; ASME Sec IX, Welding
3. **Design**
 - 3.1 The assembly shall consist of the following main components; body, seal rings, spectacle plate, Cam system, seal carrier, and actuation spindle.
 - 3.2 Line Blind operation shall be via direct acting handwheel, gear box, or electric or pneumatic actuators.
 - 3.3 A Worm Cam system shall be used to create space between the body flanges allowing the spectacle plate to slide between the open or closed positions.
 - 3.4 A Worm cam shall be used to push and retract the seal rings to and from the spectacle plate for 100% positive sealing.
 - 3.5 Spreading of the process pipe flange shall not be required for sealing.
 - 3.6 Actuating the line blind shall not apply stress to the adjacent process pipe in any way.
 - 3.7 During operation the face-to-face dimension of the 760 Line Blind shall never change.
 - 3.8 Seal rings shall be mounted on the spectacle plate for easy access during maintenance.
 - 3.9 The size and pressure range for the 760 series line blinds shall be 1/2" through 84" nominal pipe size with ANSI 150 lb. through ANSI 1500 lb pressure classes, depending on size.
4. **Materials**
 - 4.1 Line Blind Body: carbon steel or stainless steel; optional alloys
 - 4.2 Spectacle Plate: stainless steel; optional alloys
 - 4.3 Body Seal Rings: Viton, EPDM, FEP; optional seals available per application
 - 4.4 Cam System: anti-corrosion materials
 - 4.5 Seal Carrier: anti-corrosion materials
5. **Manufacture**
 - 5.1 The manufacturer shall be an ISO 9001 certified manufacturer with demonstrated experience in the manufacture of Line Blinds for at least 10 years.
 - 5.2 Each assembly shall be marked with the manufacturer's name, product serial number, and model number.
 - 5.3 Line Blinds shall be manufactured in the USA by Strahman Valves, Inc or approved equal.



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