

TELESCOPING VALVES MUD VALVES FLAP VALVES SHEAR GATES

SECTION _____

MUD VALVES

1.0 GENERAL CONDITIONS

1.1 SCOPE OF WORK

- A. The contractor shall furnish all labor, materials, equipment and incidentals required for installation of mud valves.

1.2 QUALITY ASSURANCE

- A. The manufacturer shall have experience 10 years manufacturing mud valves and shall show evidence of satisfactory operation in at least 5 installations. For large fabricated valves, the manufacturer's shop welds, welding procedures, and welders shall be qualified and certified in accordance with the requirement of the latest edition ASME, Section IX. The manufacturer shall be ISO 9001:2008 certified.

1.3. SUBMITTALS

- A. The manufacturer shall submit drawings showing critical dimensions, general construction, and materials used in the valve.

2.0 PRODUCT

2.1 GENERAL DESIGN FOR MODEL MV-X

- A. The Mud Valve shall be of the heavy duty flanged type designed to provide a positive seal under both seating and unseating head conditions. The valves shall be (non-rising, rising) stem style as detailed on the schedule or the plans. The frame, plug, operating stem, and yoke shall be stainless steel. The plug seat shall be Buna-N or Viton rubber for a positive seal.
- B. The valve shall be **guaranteed against stem galling for the life of the valve.** Stems shall not be coated as coatings can wear off and eventually lead to galling.

- C. Valve stem shall be rolled and not cast as rolled threads provide more durability and strength.
- D. Plug stem shall have hydraulic relief slots to prevent sediment from building up in the plug stem area.
- E. Plug base shall have no thru holes as to prevent any possible leak path.
- F. The valve shall be machined, assembled, and tested in the USA for quality assurance.
- G. The manufacturer shall show proof of ISO 9001:2008 certification.
- H. Where required, the manufacturer shall provide valve operating stems, floor stands, and stem guides as specified in the valve schedule or plans.
- I. Valve and accessories shall be manufactured by Troy Valve Model MVXN (non-rising) or MVXR (rising) or approved equal.