

REVISIONS

REV.

DESCRIPTION

DATE

APPROVED

TECHNICAL SPECIFICATION

M6164-2 5,000 PSI CHARGING VALVE

Classification: 0 to 5,000 psi. Maximum rated pressure.
Standard o-rings = M83461/1.

Installation: Assemble into MS33649 boss 1/2 - 20 UNJ 3B at 120±5 inch lbs. Note: A sealing surface of 32 Ra. minimum is required to prevent O-ring rupture due to movement.

Torque: 1) To open Valve, rotate the swivel nut counterclockwise 1-2 turns. To close the valve, rotate the nut clockwise using 55 inch lbs±5 inch lbs.

Temperature range: Temperature range is -65°F to + 275°F for standard valve only for use with Air or Nitrogen. Note: Contact Hydro Fitting when the application requires use of alternate gases or fluids.

Burst Pressure: 12,500 psi. Note : Failure of boss O-ring can occur at any pressure above 10,000 psi due to various conditions. The mechanical connection of threads of the M6164-2 and MS33649 boss will meet or exceed the 12,500 psi burst threshold.

Compatibility: The M6164-2 is interchangeable with the MS28889-2, and generic commercial valves of equal design to the aforementioned military parts.