



an EnPro Industries company



Notes-

1. The max recommended value is not an absolute max value for the products relevant to this table. The absolute max value for these products could exceed the maximum allowable limits of the other flange components in a bolted flange assembly.

2. All values have been calculated assuming a 0.16 Coefficient of Friction and new nuts and studs. If using non-lubricated bolts, increase torque by 15%. For PTFE or Xylan™ coated studs use the recommended values shown here.

3. "M" Maintenance Factor = 0
"Y" Minimum Design Seating Stress = 7500 [psi]

4. The Max torque value is based on the use of bolts with a yield strength of 100,000 [psi]

5. Povid table is equivalent to 30-50 ksi bolt stress. For fire-safe applications a bolt stress of 42.5 to 50ksi is suggested.

NOTE ON ISOLATION TESTING- ANY ISOLATION TESTING SHOULD BE COMPLETED PRIOR TO HYDRO TESTING IN ORDER TO PREVENT MEDIA IN LINE FROM CAUSING FALSE READINGS. IT IS SUGGESTED THAT ISOLATION BE CHECKED WITH THE USE OF AN RF METER AS PER NACE SP0288-2007 STANDARD PRACTICE.

IT SHOULD BE NOTED THAT HUMIDITY AND OTHER ENVIRONMENTAL EFFECTS CAN CAUSE FALSE ISOLATION READINGS

For additional assistance please contact our engineering office-

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FORM F950 REV A

Table with columns for NPS, INCH [ft-lb], and torque values for sizes 150#, 300#, 600#, 900#, 1500#, and 2500#. Includes sub-columns for Recommended and Max torque.

Table with columns for NPS, METRIC [Nm], and torque values for sizes 150#, 300#, 600#, 900#, 1500#, and 2500#. Includes sub-columns for Recommended and Max torque.

Torque table for VCS™, VCFS™, VCS-ID™, PGE, LINEBACKER® AND GASKETSEAL

GPT ISOLATION GASKET INSTALLATION INSTRUCTIONS

1. SURFACE FINISH- 120-250 RA

RTJ AND RF OK

2. 10-12mm

3. APPLY Piko-Lube® DO NOT USE METALLIC BASED LUBRICANTS

NOTE- ALWAYS USE NEW BOLTS

4. INSTALL SLEEVES AND WASHERS ON BOTTOM HALF OF FLANGE ASSEMBLY FOR EASY ALIGNMENT OF TYPE-F GASKETS

5.

CAUTION
⚠ DO NOT ⚠
DAMAGE SEAL

SUGGESTION!



FOR VCFS GASKETS- USE THE CARDBOARD INCLUDED IN THE PACKAGING DURING INSTALLATION TO HELP PROTECT THE SEALS AND COATINGS FROM DAMAGE. (ADDITIONAL FLANGE SEPARATION MAY BE REQUIRED)

6.

INSTALL REMAINING BOLTS WITH WASHERS AND SLEEVES

ALWAYS USE A TORQUE WRENCH OR APPROPRIATE TENSIONING EQUIPMENT

NEVER USE IMPACT DRIVERS OR HAMMER WRENCHES! THIS CAN CAUSE DAMAGE TO THE WASHERS

7.

TORQUE IN LEGACY STAR PATTERN

1. SNUG EACH BOLT TO 10-20 [ft-lb]
2. TIGHTEN TO 30% OF TARGET TORQUE
3. TIGHTEN TO 70% OF TARGET TORQUE
4. TIGHTEN TO 100% OF TARGET TORQUE
5. FINAL TORQUE TO 100% IN CIRCULAR PATTERN