

Procedure 4002: Test Pressures for Boss-Lock™ and Dixon® Cam and Groove Couplings

effective 02/08

Note

- Working pressures and test pressures are subject to change. Consult Dixon® at 877-963-4966 for questions regarding working and test pressures.

Pressure Information

- 1. The working pressures and test pressures on the chart below are based upon hydrostatic testing at ambient temperature using standard gaskets. If media is other than water and/or temperature is other than ambient at 70°F (21°C), consult Dixon® for correct metal and elastomer recommendation.
- 2. The maximum test pressures given below are in no way to be used for a 'margin of error' or 'safety factor' in actual service working pressure. The actual service working pressure is never to exceed the stated maximum working pressures. The couplings and the hose are not designed to withstand elevated pressure for long durations. Maintaining working pressures higher than those stated for an extended period of time will result in hose and/or coupling damage or hose and/or coupling failure.
- 3. The maximum test pressures on the chart below should not be held longer than the prescribed duration as outlined in the ARPM (Association for Rubber Products Manufacturer's) Hose Handbook under Hydrostatic Test Procedures for that particular type of hose.
- 4. For chemical hose, the ARPM Test Procedure IP-11-7 (Manual for Maintenance, Testing, and Inspection of Chemical Hose) calls for new hose to be tested to 2x the working pressure. This is two times the lesser working pressure of the hose or the couplings (see working pressures below) held for the prescribed duration. This is the only instance where the 'test pressures' may be other than stated below.
- 5. When testing a hose assembly, all safety precautions should be taken to ensure that no harm or damage will occur to personnel or property in the event of a failure. Reference Procedure 4000: General Hydrostatic Testing Information (page 60) and Procedure 4001: Hydrostatic Testing (page 61).
- 6. Inspect the assembly. Reference Procedure 3005: General Assembly Inspection (page 56).

Coupling Size	Commercial Working Pressure	Maximum Allowable Test Pressure
½"	150 PSI	225 PSI
¾" - 2"	250 PSI	375 PSI
2½"	150 PSI	225 PSI
3"	125 PSI	188 PSI
4"	100 PSI	150 PSI
5" and 6"	75 PSI	113 PSI