



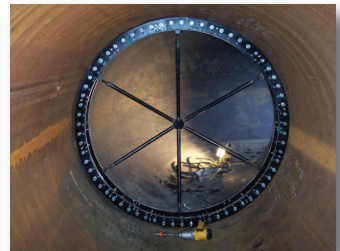
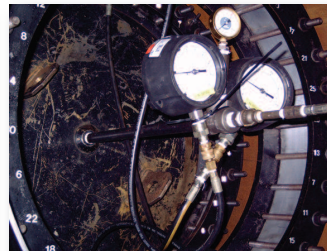
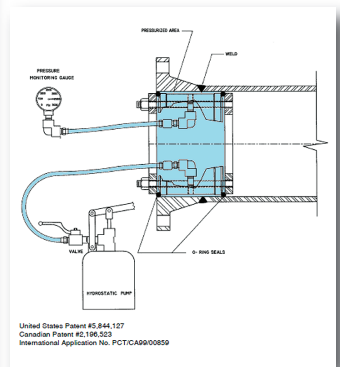
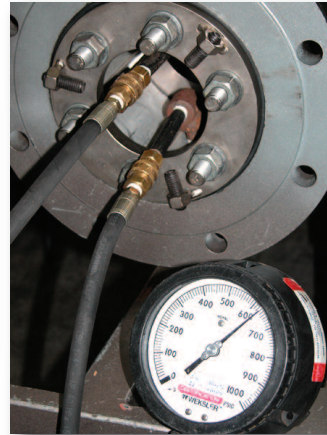
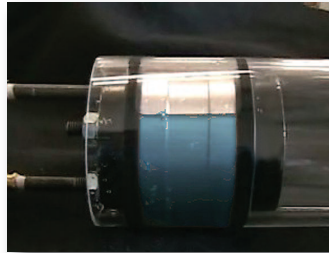
THE WORLD LEADER IN HYDROTESTING AND ISOLATION TECHNOLOGIES

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 Lunch & Learn TODAY!

CARBER® WELD TEST SERVICE

CARBER®'s service utilizes the patented CARBER® weld test technology that enables a single weld to be isolated and tested without the need to fill an entire line or system. **The process uses such a miniscule amount of test medium that a 102" weld can be tested with only ½-gallon of medium in total.** So, just ounces of medium are required for testing welds on common line sizes. CARBER® can test welds up to 2250 psig with their standard tools, and beyond 6000 psig with high pressure tools. Currently, equipment is available from ½" up to 120". Larger tools can be manufactured on demand.

- Technology can test welds on:
 - Weld Neck Flanges, Socket-Weld Flanges, Slip-on Flanges* and Orifice Flanges
 - Orifice Flange Root Valves
 - Branch Connections (o-lets, PI's, TI's, Instrument Taps)
 - Wall Thickness Transitions
 - Flanges-to-Elbows
 - Flanges-to-Reducers
 - Flanges-to-Tees
 - Out-of-Round Pipe
 - Butt-Welds**
 - And more . . .
- Can test gasket faces, including newly-machined surfaces.
- No post-hydro dry out phase required for systems or lines; nitrogen can be circulated through tool to dry moisture prior to tool removal.
- Because of small quantity required, use the test medium that's best for the system (i.e. glycol, mineral oil, peanut oil).
- On lines 8" and larger, a test can be performed with a CARBER® Isolation in place.
- Virtually no contained energy in the tool during testing due to the requirement for such miniscule amounts of test medium.
- Perfect for testing Tie-In welds on existing piping systems; Eliminates installation of hydro blinds.
- Light-weight system: 42" XS tool = 242 lbs., (broken down, the heaviest component is only 83 lbs.).



Testing 102" weld with only ½-gallon of water at 250 psig!

Testing a weld on 36" line with 36" CARBER® isolation tool in place

Testing an out-of-round 72" weld with less than 1/3-gallon of water

* Requires temporary "hydro-assist" weld neck flange and gasket

** Discuss with a CARBER® representative for an understanding of parameters

Special tools to meet specific engineering requirements available.