



SINCE 1908  
**wessels**  
company

SERVICE

TYPE: INSTRUCTIONS FOR REPLACING  
EXPANSION TANK BLADDER

MODELS: NVA 1000 TO NVA 15000

Submittal Sheet No. N-7422

Date: 12-20

## BLADDER REMOVAL

### Tank Preparation

- Remove any air from the air charge valve
- Remove bottom drain to evacuate water that escaped to the tank air side
- Remove tank top cover
  - Attached to cover is diffuser,  $\frac{3}{4}$ " brass barb fitting, and dip tube hose
  - Inspect all components for integrity for reuse
- Remove water inside bladder with sump or other means
- Lay tank on its side if possible
- Remove bladder through the top and inspect the tank for potential rupture risks

## INSPECT INTERIOR

### Use Strong Trouble Light to Verify

- No sharp or rough edges
- No weld pinholes on openings or seams
- No dirt or foreign debris (remove if found)

## BLADDER INSTALLATION

### Preparation

- Check replacement bladder for defects
- Lay bladder with collar neck facing floor
- Roll bladder from both sides

### Top Flange

- Insert bladder through top tank cover.
- Push in until collar is against weld neck
- Fold both collar ends (bladder reinforced area) into flange
- Use rubber mallet if needed until collar is flush with flange
- Make sure dip tube hose is securely fastened to brass fitting
- Feed dip tube hose into bladder (open bladder if necessary)
- Bolt on and tighten down top flange
- Apply thread tape and sealant to 1" sq. hd. plug and reattach to tank drain

### Pre-charge

- Pre-charge to required system pressure
- Test for leaks at bottom drain, top 1" NPT air-side connection and top cover using soapy water

## PARTS LIST

Bladder

$\frac{3}{4}$ " male brass fitting

$\frac{3}{4}$ " rubber hose (cut to proper length)

(8) bolts (SA-193-B7)

(8) UNC hex head nuts (SA-194-2H)

