

# **Torque Instructions**

### VERDERAIR VA 80 Diaphragm Pumps

## 859.0247

Rev. B EN



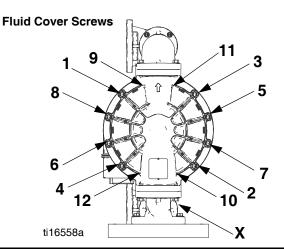
## Important Safety Instructions

Read all warnings and instructions in the *VERDERAIR VA 80* Air-Operated Diaphragm Pump Repair/Parts manual. Save all instructions.

**NOTE:** Fluid cover and manifold fasteners on the polypropylene pumps have a thread-locking adhesive patch applied to the threads. If this patch is excessively worn, the fasteners may loosen during operation. Replace screws with new ones or apply medium-strength (blue) Loctite or equivalent to the threads.

**NOTE:** Always completely torque fluid covers, then torque the manifold pieces together, then torque the assembled manifolds to the fluid covers.

Start all fluid cover screws a few turns. Then turn down each screw just until head contacts cover. Then turn each screw by 1/2 turn or less working in a crisscross pattern to specified torque. Repeat for manifolds.



#### Verder NV Kontichsesteenweg 17 B-2630 Aartselaar BELGIUM

Fluid cover fasteners:

Polypropylene and Stainless Steel: 40-45 ft-lb (54-61 N•m) Aluminum: 55-60 ft-lb (75-81 N•m)

#### Manifold fasteners:

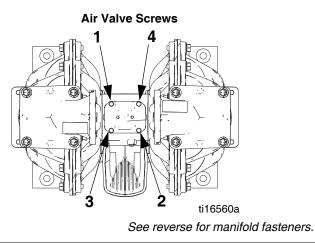
Polypropylene: 40-45 ft-lb (54-61 N•m) Aluminum: Refs 1-8: 11-21 ft-lb (15-28 N•m) Refs 9-16: 55-60 ft-lb (75-81 N•m) Stainless Steel: Refs 1-4: 110-120 in-lb (12-13 N•m) Refs 5-12: 40-45 ft-lb (54-61 N•m)

Retorque the air valve fasteners in a crisscross pattern to specified torque.

#### **Air Valve fasteners**

Plastic Center Sections: 45-55 in-lb (5-6.2 N•m) Aluminum Center Sections: 75-85 in-lb (8.5-9.6 N•m)

Also check and tighten the nuts or bolts (X) holding the manifold feet to the mounting brackets.



Original instructions. Revision B, November 2012

