

## PURGE GUN

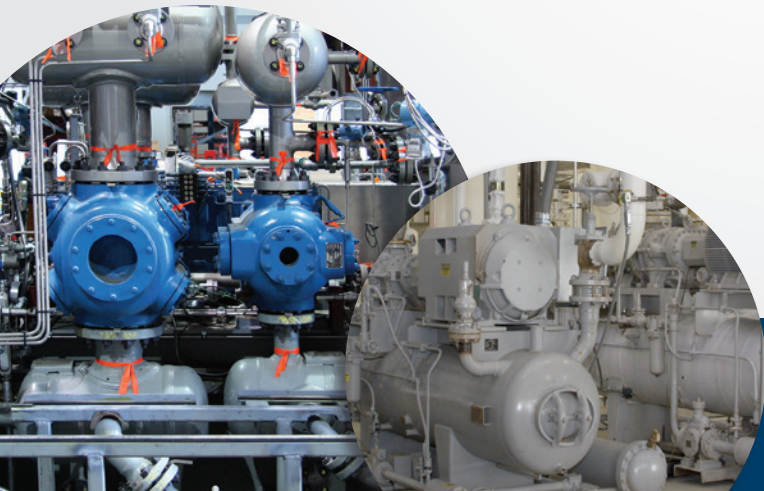


The CPI purge gun provides a convenient, cost effective method to remove air from the divider block system to ensure all lubrication points will receive lubrication immediately on start-up of the compressor.

The manual pump is also an efficient way to troubleshoot the divider block system to locate blockage in divider blocks, tubing lines and cylinder/packing injection points.

### FEATURES

- Delivers full pressure at a minimum stroke for ease of use in tight quarters
- Heavy duty cast aluminum alloy pump head
- Precision fit, hardened plunger develops 5,000 psi
- Chrome-plated steel reservoir
- Bullseye sight glass eliminates introducing air into the divider block system
- 36" (914 mm) stainless steel braided hose with all tubing connections
- 5,000 psi stainless steel liquid filled pressure gauge



## PURGING AIR FROM DIVIDER BLOCK LUBRICATION SYSTEMS

Divider block lubrication systems operate correctly only when all air has been purged from tubing lines and components. Using a lubrication system purge gun for manual air bleeding is necessary in the event any lubrication system components (tubing connections, divider blocks, indicator port plugs or piston enclosure plugs) are loosened, disconnected, or removed after their initial installation. Although lubrication systems can eventually self purge, the delay can result in phantom shutdowns, alarms or component failure. The small volume of oil supplied by each stroke of the lube pump results in a much slower rate of oil flow compared to the volume of oil injected by a manual hand pump. Therefore, the use of a lubrication system purge gun becomes a necessity before startup or after maintenance ensuring that all air trapped in the lubrication system is completely removed.

**Follow this procedure after installing any divider block assembly, replacing tubing to divider block, replacing individual divider blocks or when indicator port plugs or piston enclosure plugs are loosened or removed.**

**Step 1:** After maintenance or before compressor start-up, loosen the tubing connections at the inlet of the master divider block, cylinder and packing gland injection points. If there are secondary divider blocks loosen tubing connections at the inlet of the secondary divider blocks.

**Step 2:** If a purge port is available at the pump head, connect the purge gun. If no purge port is available remove the tubing from the discharge side of the pump and connect the purge gun to the tubing.

**Step 3:** Pump clean oil common to the system into the tubing line until there are no air bubbles observed flowing from the tubing connection at the inlet of the master divider block. Always hold purge gun in a vertical position to eliminate pumping air into the system.

**Step 4:** Tighten the tubing connection at the inlet of the master divider block while oil is still flowing.

**Step 5:** Continue to operate the purge gun until no air bubbles are observed flowing from the tubing connection at the inlet of the secondary divider block.

**Step 6:** Tighten the tubing connection at the inlet of the secondary divider block while oil is still flowing.

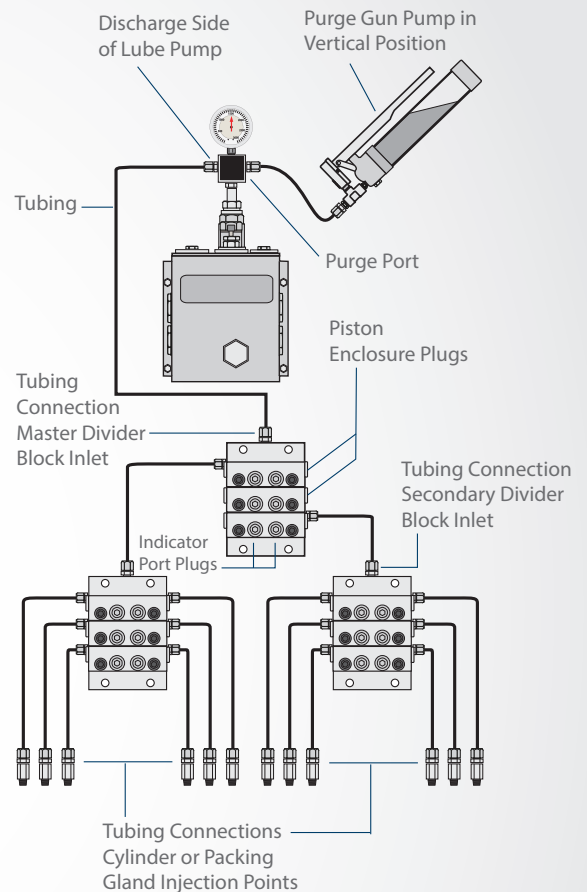
**Step 7:** Continue to operate the purge gun until there are no air bubbles observed flowing from the tubing connections at the cylinder or packing gland injection points.

**Step 8:** Tighten the tubing connections at the cylinder and packing gland injection points while oil is still flowing. The lubrication system is now ready to operate.

**Note:** Use only clean, filtered oil common to the system when purging the divider block lubrication system.

## TOOL PREPARATION

- Test check valves
- Pre-lube cylinders and packing
- Pressure test divider block
- Remove obstruction from injection points
- Remove air from divider block systems prior to compressor start



PART NO.	DESCRIPTION
650050000382510	Purge Gun Assembly
65005000PGHOSEA	Replacement Hose Assembly



CPI, part of the Howden group, provides industry leading lubrication system products and services, partnering with our customers to develop individual solutions to their unique lubrication needs. From individual components to complete, turnkey systems, we can provide the resources and expertise to ensure your compressor operates at peak performance and longevity.