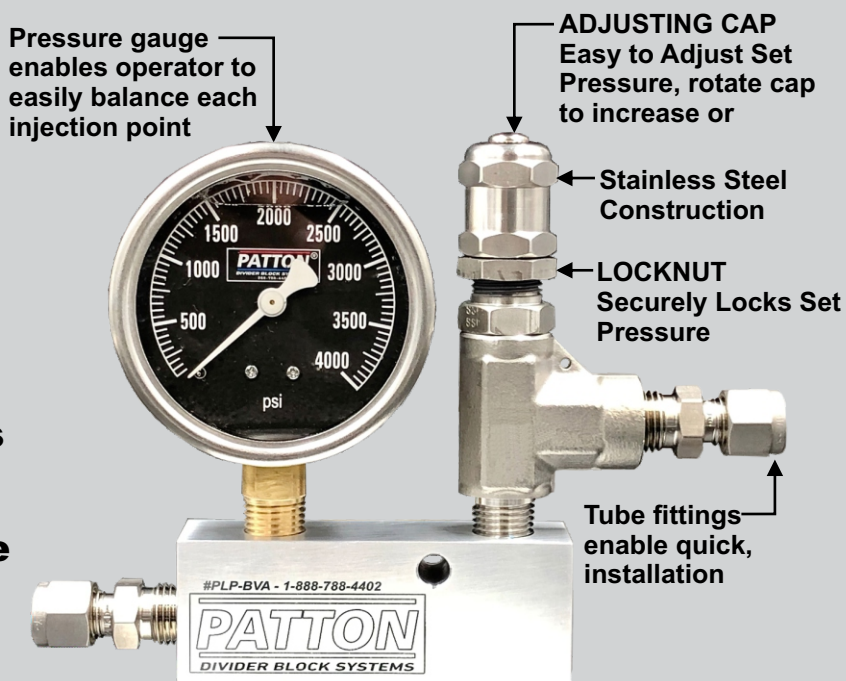


**PRESSURE BALANCING VALVE  
FOR COMPRESSOR DIVIDER BLOCK SYSTEMS  
OPERATING ABOVE 1500 PSI**

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LUBRICATOR PRODUCTS

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- ▶ **Eliminate Premature Wear of Divider Blocks In High Pressure Applications**
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**BALANCING VALVE ASSEMBLY  
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**"2 YEAR WARRANTY"**

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## BALANCING THE DIVIDER BLOCK SYSTEM

### Why Should I Install Balancing Valves on My High Pressure Divider Block System?

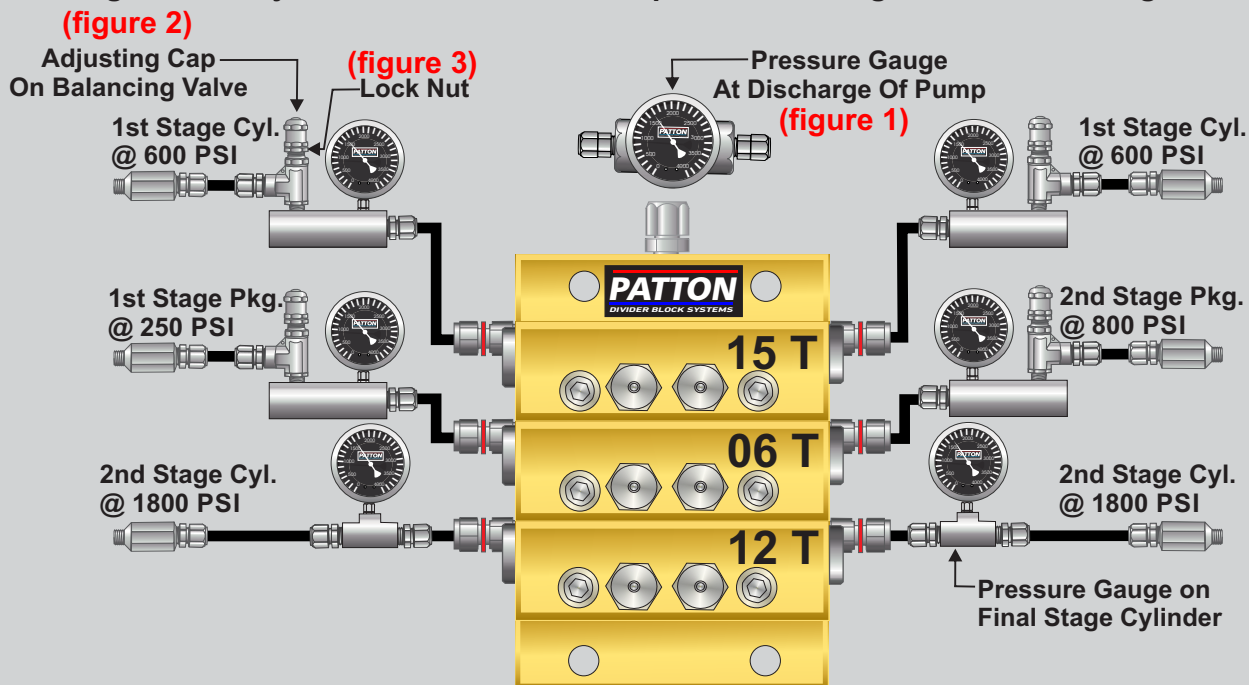
If the system is not balanced properly, the excessive differential pressure can cause the pistons in the divider block to slap back & forth, hitting the plugs on the end of the block, destroying the piston, or causing the piston to bounce out of sync. This action will lock up the divider block and cause nuisance phantom shutdowns.

**NOTE:** The divider block system will only operate at optimum efficiency, if pressure differentials between all injection points do not exceed 500 PSI.

### What is Differential Pressure?

Differential pressure is the difference between the lowest and highest pressure lubrication points serviced by the compressor divider block system.

#### Balancing Valves Adjusted To Read Within 500psi Of The Gauge On The Discharge Of The Pump



**CAUTION:** You cannot preset balancing valves correctly in the shop! Balancing Valves must be installed on the compressor divider block system and adjusted with the compressor operating at max discharge pressures as specified for the application!

### How to Adjust Balancing Valves to Balance The Divider Block System:

- 1) With the compressor operating at max RPM and discharge pressure, note the maximum pressure reading on the pressure gauge installed on the discharge of the lubricator pump. (see figure 1)
- 2) Slowly, rotate the adjusting cap on the balancing valve clockwise 1/8", until you notice the pressure gauge rising. (see figure 2).
- 3) Continue to slowly rotate the nut clockwise 1/8" increments, until the pressure gauge on the balancing valve reads within 500psi of the pressure gauge at the lube pump.
- 4) Use a backup wrench on the balancing valve adjusting cap (see figure 2), then tighten lock nut below adjusting cap to secure the pressure setting. (see figure 3)
- 5) Adjust each balancing valve in the system to read within 500psi of the gauge at the lubricator pump. After adjusting all balancing valves, the indicator needle on the pressure gauge of the lubricator pump should move slowly with fluid movement with no sharp rise or fall with erratic movement.
- 6) If the pressure gauge at the pump rises and falls erratically, re-adjust the balancing valves until the gauge at the pump shows less than 500psi rise and fall with fluid movement.