

COPR

"CRITICAL OVER PRESSURE RELIEF"
FOR ALL COMPRESSOR DIVIDER BLOCK SYSTEMS

PATTON[®]
LUBRICATOR PRODUCTS



"STOP REPLACING RUPTURE DISCS"



**NO MORE OIL
SPILLS ON
COMPRESSOR!**

COPR
Critical Over Pressure Relief
Replaces Atmospheric Rupture Discs
on All Divider Block Systems

**RELIABLE
SET PRESSURE
3500 PSI & 5500 PSI**
(higher pressures are
available if needed)

COPR installed on the
pump discharge assembly



Divider Block System
Operating Under
**NORMAL SYSTEM
PRESSURE**



Divider Block System
**CRITICAL
OVER PRESSURE!**

PUSH IN TO
RESET

HOW DOES THE "COPR"
PROTECT THE COMPRESSOR?

1. The divider block system builds excessive pressure
2. The **"COPR"** opens to relieve excess system pressure
3. Oil flow to the divider block ceases and the divider block pistons stop moving
4. The PLC or no-flow device stops receiving pulses from the divider block and changes into alarm mode to shutdown the compressor

**EXTENDED RED PIN INDICATES
EXCESSIVE SYSTEM PRESSURE!**

RED indicator alerts the operator the divider block system has exceeded safe operating pressure and remains in the extended position until reset.

RESET: After the cause of excessive system pressure is corrected, simply push the **Red** button in to reset.



**2 YEAR
WARRANTY**

PATTON DIVIDER BLOCK SYSTEMS

Pro-Tecting "Your" Compressor

GUARANTEED TO SAFEGUARD ALL DIVIDER BLOCK SYSTEMS FROM EXCESSIVE PRESSURE
CCT, ARIEL, TRABON, LUBRIQUIP, GRACO, SLOAN, MANZEL, LINCOLN, DROPSA & CPI DIVIDER BLOCK SYSTEMS

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BUILT TANK TOUGH
2-Year Factory Warranty

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COPR



"CRITICAL OVER PRESSURE RELIEF" INSTALLATION OF THE COPR

PATTON®
LUBRICATOR PRODUCTS

- 1) Remove the Atmospheric Rupture Assembly. (see fig 1)
- 2) If needed replace the Atmospheric Rupture Assembly with the 1/8" Street Elbow. (see fig 2)
- 3) Install the 1/8" by 1/4" tube fitting into the 1/8" outlet of the COPR.
- 4) Install the COPR into the Street Elbow or directly in the manifold or tubing "T". **NOTE:** COPR should be installed in a vertical position so the red pop-out indicator can easily be seen by the operator.
- 5) Run tubing from the COPR discharge to any convenient area to eliminate oil spills on compressor skid. (see fig 3)
- 6) For Ariel 2 pump installations repeat steps 1 thru 5 to installing 2nd COPR.

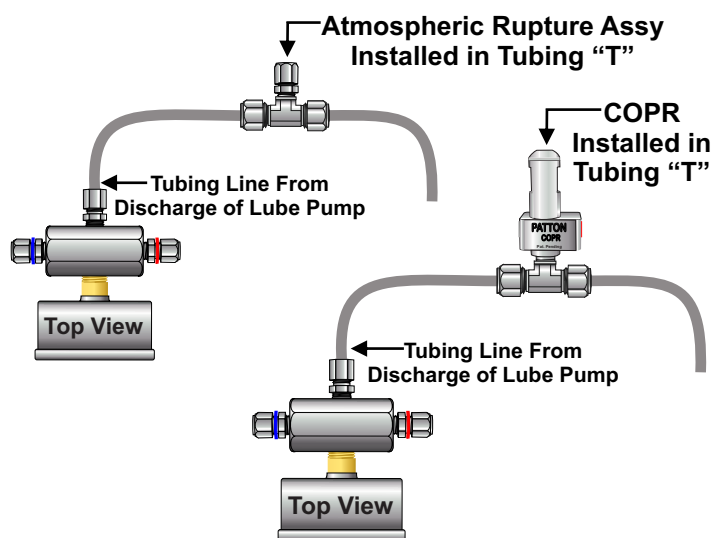
! CAUTION: DO NOT tube the outlet of the COPR to any pressurized line!

The COPR is designed to relieve excessive pressure to atmosphere!

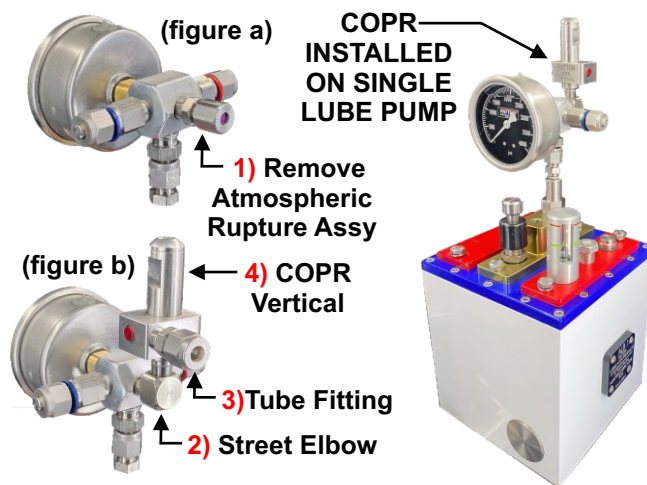
NOTE: Epoxy color on cap denotes opening pressure: **Blue** = 3500psi 3.5K  - **RED** = 5000psi 5K 

- A) If the discharge outlet is tubed to any pressurized line it may fail to open at the specified set pressure of 3500 PSI or 5500 PSI!
- B) It is not recommended to tube the outlet of the COPR to the lubricator box due to the possibility of over filling the lube box with oil and/or mixing incompatible oils.
- C) When tubing the outlet of the COPR to relieve oil into the compressor frame, you must ensure the oil utilized to lubricate cylinders and packing is compatible with the oil in compressor frame.

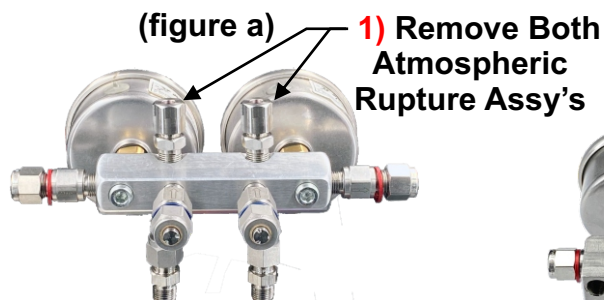
COPR INSTALLATION IN TUBING "T"



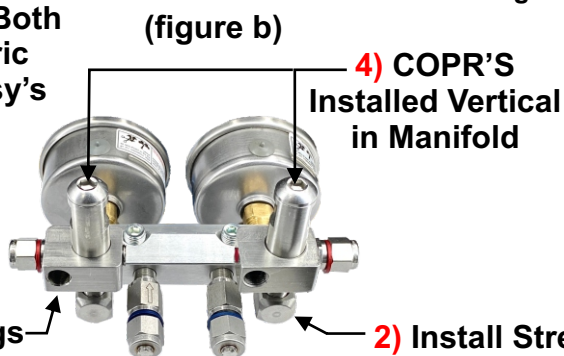
COPR INSTALLATION ON PATTON SINGLE PUMP MANIFOLD



COPR INSTALLATION ON PATTON MANIFOLD ARIEL DUAL PUMP (LEFT BANK & RIGHT BANK)



**! 3) Install 1/4" Fittings
NEVER Route Discharge
Of COPR To Pressurized Lines**



**2) Install Street Elbow
on Back Of Manifold
For 2 Pump installation**

2 COPR'S
Installed On
Pattons Ariel
Left & Right
Discharge Manifold

