

# Divider blocks or pump to point systems?

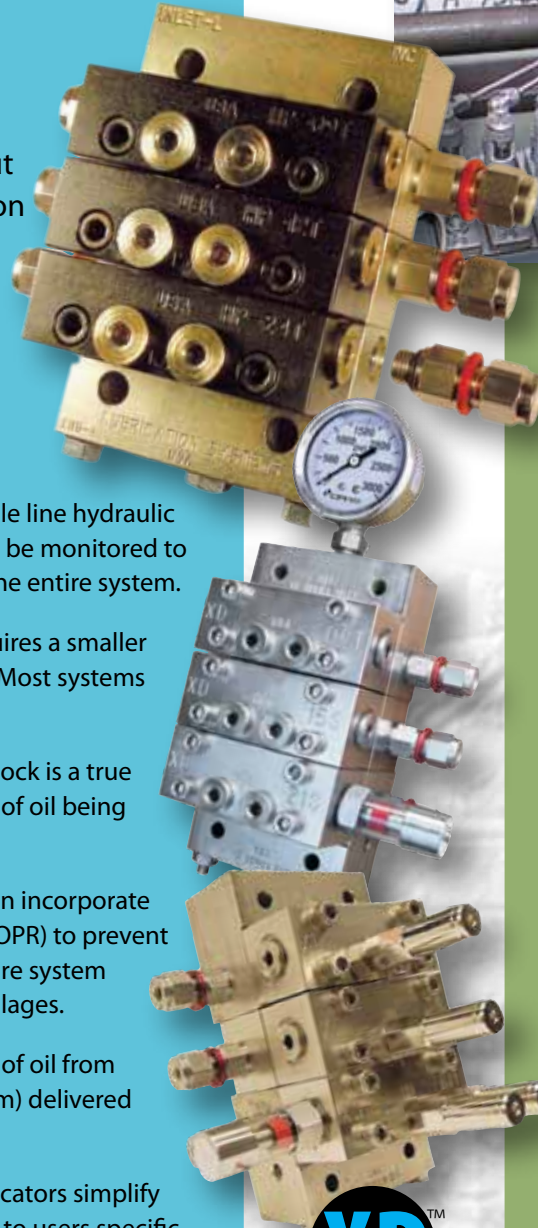
the advantages of the divider block system in comparison to pump to point systems

## divider blocks

### CPI-HP and XD divider blocks

Precise lubrication output ensures correct lubrication rates so that cylinder components such as packing and piston rings are not over or under lubricated.

- > The divider block has a single line hydraulic circuit requiring one piston to be monitored to assure correct lubrication of the entire system.
- > The lubrication system requires a smaller lubricator with fewer pumps. Most systems have one or two pumps.
- > The output of the divider block is a true measurement of the quantity of oil being delivered to the compressor.
- > The divider block system can incorporate a Pop Open Pressure Relief (POPR) to prevent over pressurization of the entire system and avoid unnecessary oil spillages.
- > Extremely precise amounts of oil from 0.006 cubic inch (0.10 cubic cm) delivered to each injection point.
- > Accessories such as pin indicators simplify troubleshooting by signalling to users specific lubrication lines that have an over pressure condition.



**XD**<sup>TM</sup>  
extreme duty  
divider blocks

## pump to point systems

The pump to point system feeds each injection point on the compressor from a unique pump.

- > Difficult and costly to monitor the output of each individual pump unless a Single Point Test Device (SPTD) is employed at each injection point.
- > Difficult and costly to add pressure gauges on the outlet of each pump assembly.
- > Sight glass drip rates are not a perfect measurement of actual pump output: worn piston/cylinder assemblies cause metered oil to leak around the outside of the piston and into the lubricator reservoir instead of along the feed line.
- > Lubricator reservoir must be larger to accommodate the larger quantity of pumps.
- > Requires more pump outlet components e.g. atmospheric rupture indicators, purge point check valves, etc.
- > No over pressure protection.
- > Typically only 1 or 2 pumps monitored per system – compressor can continue to run even after MULTIPLE pump failures.
- > Increased cost for installation.



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Further information is available at: Toll Free US and Canada (800) 664.4033

tel: +1 713 462.1061 or +1 432 520.6700

email: lube-systems@c-p-i.com www.c-p-i.com