



Compressor Cylinder Lube Oil System

Ariel provides a distribution block cylinder lubrication system. A distribution block system has a single plunger style pump feeding high pressure oil to a distribution block where a combination of specifically sized lube blocks distribute the oil to the individual lube ports, such as cylinder lube ports, packing lubrication, intermediate packing lubrication and flushing lube ports. Some systems require two pumps to be manifolded to a distribution block for higher feed rates. Some distribution block systems require a two tier system, a primary block that divides the oil flow for each cylinder and a secondary block that divides the oil flow for each lube port. A no-flow instrument is located on each primary block to allow a measurement of the lube oil flow (through cycle time) and to ensure a low oil flow shutdown can be provided.

The advantages of the distribution block system over single pump per point systems is the ability to ensure lubrication is provided to all lube points. If one lubrication point is blocked, the no-flow device will trigger a shutdown. Precise lubrication distribution for each point is also ensured.

Cylinder bore and packing oil lubricants and rates, refer to the Ariel [Packager Standards](#) Section 6.