DESCRIPTION

The Mul-T-Shot Pump is an air operated pump with multiple lube outlets to serve more than one lubrication point. Designed as an economical means of providing lubricant to several points. Once the number of lube points has been determined, simple modification to the lube piston stop dictates the number of active lube delivery points. Equal and measured amounts of lubricants are dispensed from each outlet independent of outlet back pressure.

FEATURE/BENEFITS

Multiple pump outlets. Can handle 1 to 12 lube points through simple pump modification.

Outlets are independent of each other, a broken lube line will not affect the other points lube supply.

Equal quantity of lubricant is supplied to each point, regardless of outlet back pressure.

Can be used with oil.

Independent lube outlet ports allows for different lubricant pressures to be developed.

OPERATION

When air is supplied to air inlet port (1), the lube piston (2) is moved forward and closes off the lube inlet port (3). As the lubricant in the lube chamber (4) is compressed the internal check valve (5) is cracked open. Lubricant is forced through a channel (6) in the lube piston, and reaches an outlet hole (7) that allows lube to flow to an undercut (8) on the piston. When the undercut (8) opens to a lube outlet (9), the lubricant from the chamber (4) flows, under pressure, to the lube system. This starts with lube outlet number one and continues sequentially thru lube outlets until the lube piston's movement is

stopped by the piston stop (11). Air pressure is then exhausted, the lube piston is returned by spring force (10) and the lube chamber (4) is reprimed. The pump is now ready for the next cycle.

SPECIFICATIONS

Material .... Steel Pump; Aluminum Air Cylinder
Output per stroke
 per outlet .... .005 cu.in. (.082 cm^3)
Number of outlets .... 1 to 12
Air operating pressure
    Minimum .... 50 psi (344.7 kPa)
    Maximum .... 100 psi (689.4 kPa)
Lubricant .... Oil
Port sizes
    Lube inlet .... M 12 x 1 metric
    Lube outlet .... M 8 x 1 metric or 5/16-24 UNF2B
    Air inlet .... 1/8-27 N.P.S.F.