

Typical System Examples with Maximum Pumping Distances

All systems based on 100 PSI air input and 70°F (21°C)

Oil Pumps

With 10w 30 Motor Oil

PMV 3" 5:1 Pumps

Reels with 50' x 1/2" ID hose (Model No. 94354) Electronic Meters (Model Nos. 905, 953, 954) Two simultaneous dispenses at 1 gpm each	5/8" OD x 0.049" wall tubing – up to 50' 3/4" OD x 0.049" wall tubing – up to 150'
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PMV 4.25" 10:1 Pumps

Reels with 50' x 1/2" ID hose (Model No. 94354) Electronic Meters (Model Nos. 905, 953, 954) Two simultaneous dispenses at 1 gpm each	5/8" OD x 0.049" wall tubing – up to 300' 3/4" OD x 0.049" wall tubing – up to 1000'
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PMV 4.25" 6:1 Pumps

Reels with 50' x 1/2" ID hose (Model No. 94354) Electronic Meters (Model Nos. 905, 953, 954) Four simultaneous dispenses at 1 gpm each	1.25" Sch. 40 Seamless Pipe – up to 150' 1.5" Sch. 40 Seamless Pipe – up to 250'
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Grease Pumps

With NLGI #1 Grease

PMV 3" 50:1 Pumps

Reels with 50' x 3/8" hose (Model No. 94553) Control Valve & Swivel (Model Nos. 3050, 81729) Two simultaneous dispense at 0.125 lbs/min each	5/8" OD x 0.083" wall tubing – up to 500'
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PMV 4.25" 50:1 Pumps

Reels with 50' x 3/8" hose (Model No. 94553) Control Valve & Swivel (Model Nos. 3050, 81729) Four simultaneous dispenses at 0.125 lbs/min each	3/4" OD x 0.109" wall tubing – up to 500' 1" Sch 160 pipe – up to 2000'
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1. Values are for typical systems
2. Some of the factors that affect actual systems performance
 - a. Temperature
 - b. Viscosity
 - c. Number and type of fitting (elbows, tees, reducers) and connecting hoses
 - d. Air supply – pressure, scfm, line size
3. Lincoln can provide system design/performance parameters for any specific application. Contact your representative.

**For specific installations, please refer to
Lincoln's Vehicle Service Planning Manual**