

Technical Bulletin

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Cancels: NA

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Subject: RECOMMENDED AIR LINE SIZES

The following chart can be used as a general recommendation for line sizes to be used when retrofitting or changing over to Bendix relay valves (R-12/14) and brake proportioning (BP-RI) valves on a typical tractor or straight truck. Deviation from these recommendations should be reviewed by the Original Equipment Manufacturer or Bendix since vehicle and component performance can be affected by line sizes.

CONTROL LINE	3/8" O.D. Tubing
SUPPLY LINE	
Single Rear Axle	1/2" O.D. Tubing
Tandem Rear Axle	5/8" O.D. Tubing
DELIVERY LINE	
Single Rear Axle	
Single Delivery Line	5/8" I.D. Hose to Tee
From Relay Valve to Tee on Axle	3/8" I.D. Hose or 1/2" O.D. Tubing From Tee to Actuator
Two Delivery Line	
From Relay Valve	3/8" I.D. Hose
Direct to Actuators	
Tandem Rear Axle	
Two Delivery Lines	5/8" I.D. Hose to Each Tee
From Relay Valve to Tee on Each Axle	3/8" I.D. Hose or 1/2" O.D. Tubing From Tee to Actuator
Four Delivery Lines	
From Relay Valve	3/8" I.D. Hose
Direct to Actuators	

