

# FLEET SHEET

# Haldex

## "FF2" Full Function Valve

### Application Information

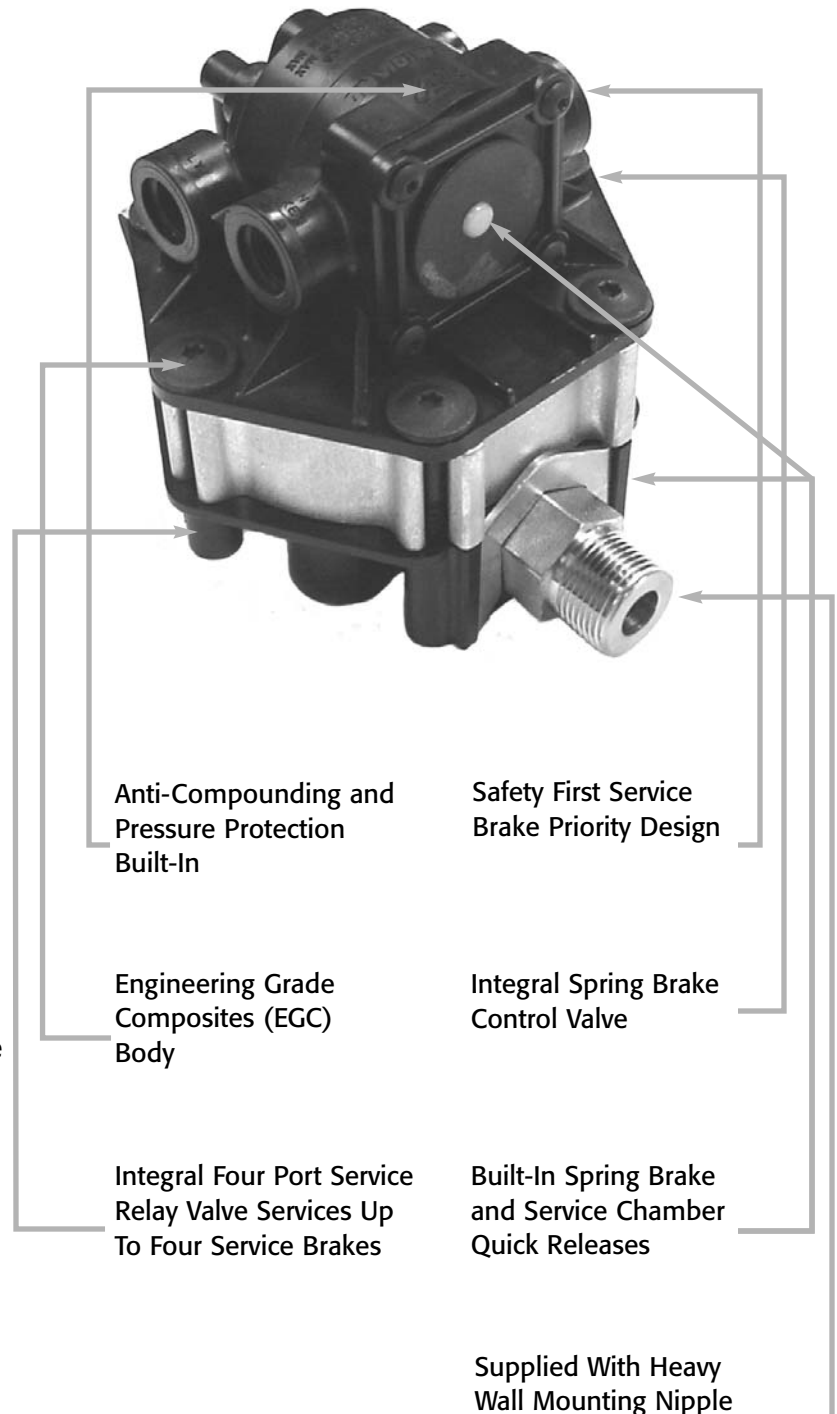
1. FF2 is for **Trailer Systems Only!**
2. Determine number of spring brake equipped axles to be controlled (max two axles per valve).
3. Check air tank to determine if 1/2" or 3/4" mounting nipple is needed.
4. Available in 3 PSI and 5 PSI crack pressure design. (3 PSI is most common)

### Competitive Advantages

- ✓ **Single Valve System**  
**Advantage Haldex:** Easy to install, easy to maintain, easy to troubleshoot.
- ✓ **Built-in Pressure Protection and Anti-Compounding**  
**Advantage Haldex:** Updates air brake system to the latest level of the law and eliminates broken foundation components due to compounding of spring brake.
- ✓ **Made of Durable Engineering Grade Composites**  
**Advantage Haldex:** EGC body resists corrosion and is lighter and more durable than aluminum valves.
- ✓ **Built-in Service and Spring Brake Quick Releases**  
**Advantage Haldex:** Ensures prompt application of spring brakes and quick release of service brakes, reducing brake wear.
- ✓ **Supplied with a Heavy Wall Mounting Nipple**  
**Advantage Haldex:** Heavy wall mounting nipple is treated to resist corrosion and will not break in severe duty applications.
- ✓ **Safety First Service Brake Priority Braking**  
**Advantage Haldex:** Ensures air tank pressure is sufficient to stop vehicle when spring brakes are first released.

### Special Notes:

Compounding is where the parking/spring brake and the service chamber are both applying the brakes at the same time. This combination is powerful enough to destroy brake adjusters, distort drums and twist s-cams!



See reverse side for complete list of part numbers.

# FLEET SHEET

## cont.

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## "FF2" Full Function Valve

### Cross-Reference Information

The Haldex Full Function Valve will replace all competitive trailer air brake system designs for spring brake equipped axles with minor re-plumbing.

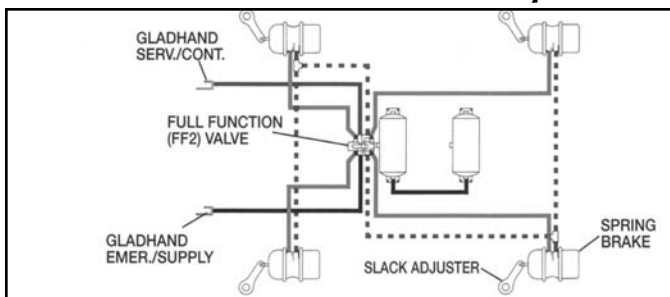
- All Bendix Trailer Systems\*
- All Berg Trailer Systems\*
- All Midland Trailer Systems\*
- All Sealco Trailer Systems\*
- All Tramec Trailer Systems\*
- All Wagner Trailer Systems\*

\*When replacing a Relay Emergency Valve, piggybacks must be installed on the service chambers.

### Related Items Checklist

- Air Tanks
- Rubber Air Hose
- Fittings
- Nylon Air Tubing
- Thread Sealant
- Quick Release Gladhand
- Spring Brakes or Piggybacks

#### Two tank - One Valve Tandem Axle System\*



\* Single tank systems are plumbed the same with the omission of the second tank.

### Warranty

12 Months/100,000 Miles from date of installation.

### Competitor Overview

#### BENDIX, SEALCO and TRAMEC TRAILER SYSTEMS

- 1) Spring brake priority systems (Sealco offers service priority as an option).
  - a. May allow driver to move vehicle without adequate air in the trailer system to make a controlled stop.
  - b. Will allow driver to move vehicle when a reservoir leak has developed.

Note: Trailer may not have service brakes under either of these conditions.

- 2) Multi-valve systems.
  - a. May require up to four valves.
    - More things can go wrong.
    - More parts that could fail.
  - b. Parts for some systems may not be readily available nationally.
- 3) All metal construction. Subject to corrosion and increased weight.

### FF2 Valve Part Number Listing

	Style	Reservoir Mt.	Crack Press.
KN28600	New	3/4"	3 PSI
KN28600X	Reman	3/4"	3 PSI
KN28601	New	1/2"	3 PSI
KN28601X	Reman	1/2"	3 PSI
KN28602	New	3/4"	5 PSI
KN28602X	Reman	3/4"	5 PSI
KN28603	New	1/2"	5 PSI
KN28603X	Reman	1/2"	5 PSI

SEE CURRENT MASTER CATALOG FOR ADDITIONAL SPECIFICATIONS.

### Interchange/Upgrade Programs

Available New or Remanufactured Exchange.

### Available Literature

Current L25015      Haldex Master Catalog  
Data Sheet FF2 Valve

### Installation Advisories

- ✓ Ensure each axle controlled is equipped with spring brake chambers.
- ✓ Tighten fittings finger tight; then 1 1/2 to 2 turns more.
- ✓ Use hex on pipe nipple to tighten onto air tank.
- ✓ Ensure proper crack pressure.
- ✓ Blow out all air lines prior to assembly to reduce contamination.
- ✓ Do not use thread tape.
- ✓ Use brass hose fittings.
- ✓ 100 PSI minimum system pressure.