

THE HALDEX

FUNCTION VALVE

FF2 FULL



FF2 FULL FUNCTION VALVE — A TRUE SINGLE VALVE SYSTEM.

HALDEX FF2 FULL FUNCTION VALVE THE INSIDE STORY

Mandatory on October 8, 1992, the revised FMVSS-121, Docket 90-3, Notice 4 changed trailer air valving for brake systems as follows:

- Spring brakes **must** apply within 3.0 seconds.
- Supply/emergency line **must be** protected to 70 PSI minimum.
- **No** spring brake retardation when there is 70 PSI or higher supply/emergency line pressure (prevents automatic braking on in-service, service system failure). Such mandated higher supply line protection levels require higher supply line pressures to be achieved before the pressure protection valve opens to fill your trailer system reservoir.

At Haldex we didn't just respond to the revised FMVSS-121 regulations ... we mastered them! Using a creative, new modern approach to achieving the trailer air system service brake and spring brake functions with a single valve, Haldex introduced the "Full Function Valve" in 1992.

Now the Haldex FF2 continues the 'single valve system' concept, offering our industry the most safe and economical trailer air brake system available today!

The Haldex FF2 is available at trailer OEMs and parts distribution channels throughout North America ... just ask for the Haldex FF2!

TRUE NEW GENERATION VALVE

Haldex has developed a true, single trailer air-system valve that combines the functions of outdated 2- and 3-valve systems. The FF2 offers OEMs, Fleets and Owner/Operators:

- Economical one valve approach for single and tandem axle applications.
- Lower crack pressures to improve tractor-trailer timing balance!
- Reduced maintenance costs and troubleshooting (one valve, less plumbing and fittings)!
- Easy retrofit of 'Old Multi-Valve' systems to meet safety standards!





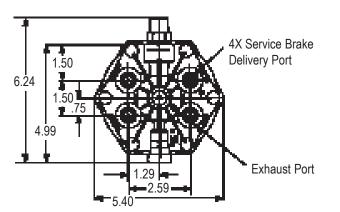
THE HALDEX FF2 FULL FUNCTION VALVE

HALDEX FF2 - SAFETY FIRST!

- The FF2 is designed to fill your trailer system reservoir while simultaneously filling the spring brakes (thereby releasing your parking brakes) to assure you have service brake capability when you are ready to drive the vehicle away.
- Designed to assure service brake capability before spring brakes release!
- FF2 guards against re-releasing of spring brakes, once the driver has consciously applied them, until a service brake system failure condition is fixed!
- Some competitive designs on the market permit spring brakes to fill/release before the reservoir begins to fill resulting in the possible loss of service brakes for an extended period of time.

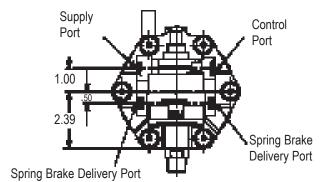
SPECIFY THE HALDEX FF2

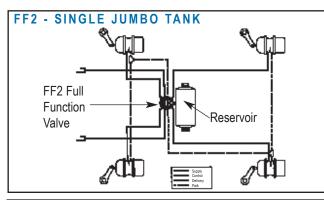
- A true single valve system for single and tandem axle trailers. (Three or more axles require multiple FF2's.
- Trailer air system simplicity and ease of installation.
- Quality and reliability.

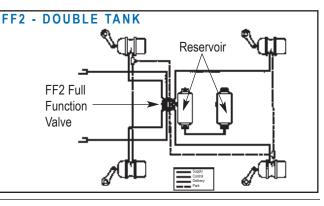




The best value you can buy in a trailer valve system.







STANDARD FF2 FULL				
STANDARD FF2 FULL	OEM PART NO.	SERVICE PART NO.	RESERVOIR PORT	CRACK PRESSURE
FUNCTION VALVE	N4304AC	KN28600	3/4	3 PSI
PART NUMBERS	N4304AB	KN28601	1/2	3 PSI
	N4304AE	KN28602	3/4	5 PSI
	N4304AD	KN28603	1/2	5 PSI
	For mounting to reservoir, each valve includes a heavy walled steel pipe thread nipple,			
	conforming to NFPA/T3.8.3 R2-1977 Standard.			
Haldex Commercial Vehicle Systems				

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