



THE WORLD'S LEADING  
SUPPLIER OF **TIRE**  
**MANAGEMENT**  
& **INFLATION**  
SOLUTIONS







**HALTEC CORPORATION**  
USES NUMEROUS  
**STATE-OF-THE-ART**  
AUTOMATIC CNC TURNING  
MACHINES DURING  
OUR MANUFACTURING  
PROCESS.

**HALTEC** HAS BEEN REGISTERED AS AN ISO  
CERTIFIED COMPANY SINCE 1998.  
OUR MANUFACTURING, QUALITY AND INSPECTION  
PROCESSES ARE ASSESSED BY AN INDEPENDENT  
CERTIFICATION BOARD EVERY SIX MONTHS.

**HALTEC** STOCKS  
VALVES FOR ALL  
APPLICATIONS:  
AUTOMOTIVE,  
TRUCK, BUS,  
AGRICULTURAL,  
AND OFF-ROAD.

**TIRE VALVE SYSTEMS & TECHNOLOGY FOR THE WORLD**

For 45 years, Haltec Corporation has been the leader in the tire valve industry. When underground mines were transitioning from rail wheels to rubber tires, Haltec was there to design and manufacture the tire valve systems required to meet their technical needs.

Haltec maintains its leadership position as a major manufacturer of specialized tire valve systems. Many new product innovations were introduced by Haltec, including the Full-Flo and Super Large Bore valve designs. These designs provided the tire industry the unique products required to achieve faster flow rates, decreased downtime, and more efficient tire management. The

ever-increasing size of mining and construction tires further challenged Haltec engineering to design and manufacture our wide variety of valve systems to meet these demands. This includes the Mega Bore Tire Valve System, which has a flow rate twenty-five times faster than large bore valves.

Today, Haltec Corporation is recognized worldwide as the leading manufacturer of specialty tire valve systems and pressure inflation hardware. Haltec's 45,000 square foot facility in Salem, Ohio maintains its corporate headquarters, manufacturing, design, engineering and distribution services. As an ISO 14001/2004 & ISO 9001/2008 with design certified company, Haltec Corporation's

Quality Policy is to lead the tire valve industry by meeting or exceeding industry standards and customer requirements at a competitive price. Our on-site engineering and custom design department is complemented with a state-of-the-art machine shop and soldering, fabrication, custom-bending and product assembly services, all prepared to produce products to meet your inflation and pressure maintenance needs. Haltec has refined a global network of distribution channels and continues to grow sales to its target markets.

We hope you will find this catalog easy to use and informative. We have included "Tech Tips" throughout the text, providing information on proper inflation and our products. You will also find many product innovations, like our ES-300 series airchuck. If you can't find what you need while reviewing our catalog, please

contact our Customer Service and Sales Team so we can begin engineering the solution to your tire management program.

Haltec Corporation's products and services are designed to provide safe, efficient, and accurate tire inflation. Our goal is to provide the tire industry with the equipment and training required to enhance any organization's "Tire Management Program." Whether using air or nitrogen, the tire's PSI and tread depth need to be accurate, and the method of inflation must be safe, simple, and fast.

For us, "PSI" translates to more than just one part of your inflation needs; it means "Proactive Solutions & Innovation." When it comes to quality, we don't limit ourselves at Haltec, and neither should you - that's our "Haltec Complete Solution - Haltec's PSI Promise."

PLEASE VISIT US ONLINE AT [WWW.HALTEC.COM](http://WWW.HALTEC.COM) FOR THE LATEST ADDITIONS TO OUR PRODUCT OFFERING



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**TIRE VALVE SYSTEMS**

□ **BACKGROUND**

The Super Large Bore System was introduced in 1972 and was designed to allow significantly greater air flow than the Large Bore Valve which was introduced much earlier. Today, vehicle and tire sizes are increasing again. In response to the increases in tire size, Haltec has introduced two new tire valve systems to make inflation and deflation of large tires easier and quicker than ever before: Z-Bore and Mega Bore.

□ **SYSTEM COMPARISONS**

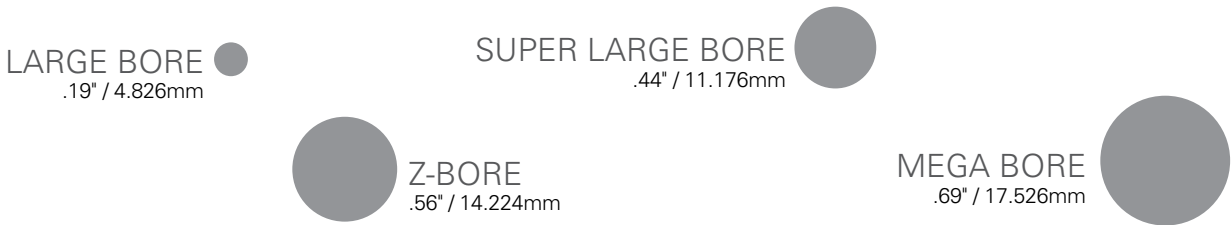
The chart below demonstrates the general characteristics of the four valve systems:

| VALVE SYSTEM     | FLOW RATE (CFM) | FITS VALVE HOLE | HOLE SIZE THREADED | SPECIAL INFLATOR NEEDED | RECOMMENDED FOR TIRE SIZES |
|------------------|-----------------|-----------------|--------------------|-------------------------|----------------------------|
| LARGE BORE       | 22 *            | 13/16"          | 1/2" NPT           | -                       | 11.25" - 29"               |
| SUPER LARGE BORE | 240             | 13/16"          | 1/2" NPT           | IN-80A/IN-95            | 20" up to 57"              |
| Z-BORE           | 370             | 13/16"          | 1/2" NPT           | Z12B/IN-95              | 33" up to 57"              |
| MEGA BORE        | 550             | 15/16"          | 3/4" NPT           | MB-8/IN-95              | 45" up to 63"              |

\* Flow Rate is without valve core installed. With core, flow rate is 12 CFM. Flow rates on the Super Large Bore, Z-Bore, and Mega Bore Valves were tested with a 750 CFM diesel-powered air compressor with the pressure held constant at 100 PSI.

□ **FLOW DIAMETERS:**

Shown below is a cross-section of the different flow diameters on the four valve systems. How these increased air flows are accomplished, often using the same rim hole size, will be explained in further detail in this catalog:



INCREASED FLOW RATE SAVES INFLATION TIME. SUPER LARGE BORE INFLATION RATE IS MORE THAN THREE TIMES FASTER THAN LARGE BORE.



HALTEC manufactures over 30 different automatic tire inflators for purposes of general inflation.

## Mining Solutions:

As a manufacturer of specialized tire valve systems and pressure inflation solutions, Haltec Corporation has been the unchallenged leader in off-highway, mining, and construction tire management solutions and components for 45 years. Unique innovations designed to minimize downtime have led to the development of superior quality, precisely engineered valve systems that fill every heavy equipment need.

Haltec offers a full range of products beginning with Large Bore, and increasing to removable core Super Large Bore, Z-Bore, and Mega Bore valves that top the inflation and deflation charts at an unbelievable 550 CFM. That's 25 times the flow rate of a large bore valve, and these valve systems are installed in most cases without increasing the original rim hole size. Also, when paired with one of our extensive line of rugged and reliable inflators, such as our 89XTC temperature compensating model, it is clear that Haltec does not stop at manufacturing just the highest quality individual components, but also offers completely designed and engineered solutions to real world challenges.

## AUTOMATIC TIRE INFLATORS

89XTC-Temperature Compensating Tire inflator, designed to work with an in-line temperature sensor and is engineered specially for inflating larger industrial and mining tires which are often constantly in service and always running hot.

89XTC - TEMPERATURE COMPENSATING INFLATOR PAGE 71



89XTC

## TIRE VALVES

R-520 is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the maximum air flow.

R-520 - SUPER LARGE BORE CORE HOUSING PAGE 25



R-520

## INFLATOR

I-496-20 is the IN-95 inflator with 20' hose. Safely removes operator away from the blast zone by using the 20' hose. Equipped with shut off ball valve which enables operator to stop inflation for proper tire inspection.

I-496-20 - IN-95 INFLATOR WITH 20' HOSE PAGE 67



I-496-20





## Commercial Fleet Solutions:

The need to manage a tire and rim as an asset rather than an expense is the concern of every commercial fleet manager. The trick is to find a company that can provide the combination of quality tire valve hardware and inflation equipment which can competitively and consistently provide that service. Haltec Corporation provides a complete tire valve and inflation program designed specifically for the unique needs of each fleet. Combining the TV-550 series valve with a DS-1 flow-through valve cap provides a better grommet seal for the valve and an efficient way to check and correct the PSI. When an 89XHB or 89MTIS is used in the mounting and speed lane to inflate and top-off pressure, the accuracy and efficiency of your tire management program grows. Haltec can further enhance the "fleet check" process with our web-based and Bluetooth enabled Tire Management System. Haltec can create a "Tire Inflation Solution" for any size fleet, as the Haltec Tire Management program combines custom software with Bluetooth enabled tire inflation and tread depth tools.



## AUTOMATIC TIRE INFLATORS

Haltec automatic inflators provide a precision tool to maintain properly inflated tires with high speed and accuracy. The custom manufactured 89MTIS Series inflates 1-5 wheels simultaneously with 0.3PSI accuracy. Accurate PSI needs to be the primary objective of every tire inflation/service program. The PSI in the tire needs to be accurate and the method of inflation must be simple and fast.  
89MTIS-3 - MOBILE MULTIPLE TIRE INFLATION SYSTEM PAGE 72

## TIRE VALVES AND FLOW-THROUGH CAP

Straight clamp-in valves used on both demountable and non-demountable rims. For .625" diameter valve hole. Bent valve stems also available.  
TV-500 - STRAIGHT CLAMP-IN VALVE PAGE 40

The DS-1 flow-through valve cap is designed for high pressure truck tire service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension.  
DS-1 - DOUBLE SEAL CAP PAGE 46

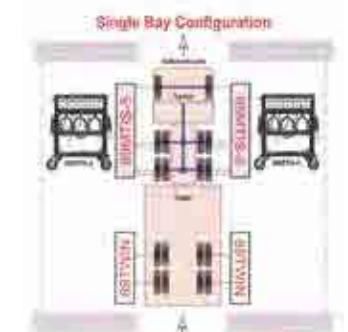
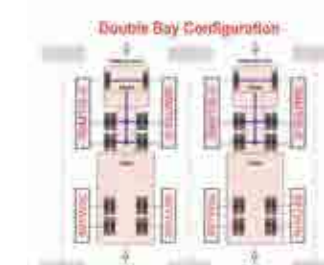
## GAUGES AND AIR CHUCKS

Haltec's "Easy lock" air chucks provide an easy on/off application with an automatic locking-designed chuck. The 89MTIS-3CHKIT offers a variety of angled chucks to service your fleet's needs.  
ES-300 SERIES CHUCKS PAGE 75

## CUSTOM SOFTWARE SOLUTIONS

Haltec can further enhance the "fleet check" process with our web-based and bluetooth enabled tire management system. Haltec can create a "tire inflation solution" for any size fleet, as the Haltec tire management program combines custom software with bluetooth enabled tire inflation and tread depth tools.

## SHOP DESIGN/PRODUCT INTEGRATION SERVICES



89MTIS-3



TV-500



DS-1



89MTIS-3CHKIT







## Passenger & Light Truck Solutions:

Haltec Supplies distributors and dealer networks with the products needed to service all makes and models of passenger and light trucks. Our diverse product offering includes the premier solution for management of our automatic tire inflators providing accurate inflation and ensuring the safety and comfort of the tire professional's customers.



89TOW-4Y

## AUTOMATIC TIRE INFLATORS

Haltec's most popular single tire inflation system. The perfect inflation solution for any quick lube, auto dealer or tire service center. Quick, efficient, and accurate PSI.

89MXA / 89XDA - AUTOMATIC INFLATORS PAGE 69



89MXA / 89XDA

## AIR CHUCKS

This chuck features the popular European-style clip with a brass 1/4" female fitting. Compact, durable and easy to use, this chuck is available either closed (CH-360) or open (CH-360-OP). Uses replacement washer LELOC-RUBBER.

CH-360OP - CLIP-ON AIR CHUCK PAGE 59



CH-360OP

## INFLATION HOSE

24' hose used with the 89MXA and 89XDA equipped with CH-360OP brass lock-on chuck.

89HKC-24 - 24' STRAIGHT HOSE W/COUPLER & CH-360OP AIR CHUCK PAGE 76



89HKC-24

## SNAP IN VALVES

The snap-in valves are made of high quality ozone resistant rubber to withstand harsh conditions.

TV-413-1 1/4 IN. RUBBER SNAP IN PAGE 40



TV-413



TV-413CH





2 Large Bore Swivel Valve

P. 13



1 Rim Spud

P. 12

## COMPONENTS OF THE HALTEC LARGE BORE SYSTEM

The Large Bore Valve System is the oldest of the four off-road tire valve systems. Below are the basic components of a Large Bore Valve System.

- There are two basic spud designs:
  - The standard clamp-in spud (H-41)
  - The screw-in spud (C-10)
- Into one of these spuds you screw a Large Bore Swivel Valve. While all Large Bore Valves vary in bend, length, and appearance, they all have a swivel feature. An O-ring seals into the valve spud and is tightened down with a swivel nut.
- To service the inside dual there are three types of extensions offered:
  - A rigid extension (867 Series)
  - A hand-bendable extension (753S Series)
  - A flexible extension (810F Series)

All Large Bore Valves can be serviced with any of the Large Bore air chucks, gauges, and tools found in the Haltec Catalog. As with all off-road valve systems, there are many customized products available. You will also find many customized bent extensions in use.



H-41

C-10

## 1 RIM SPUDS

### H-41 TUBELESS SPUD TR-SP-2

Fits 13/16" rim hole. Used with all Large Bore Swivel valves.

### C-10 LARGE BORE SCREW-IN-SPUD TR-SP-3

Screws into a 1/2" NPT tapped hole in the rim. Can be replaced without dismounting tire.

## 2 LARGE BORE SWIVEL VALVES SINGLE BEND SWIVEL VALVES

| HALTEC NO.   | TR NO.        | BEND ANGLE | "L" HORIZ. LENGTH |       | "H" VERTICAL HEIGHT |       |
|--------------|---------------|------------|-------------------|-------|---------------------|-------|
|              |               |            | INCHES            | MM    | INCHES              | MM    |
| N-1418       | -             | 74°        | 1 3/4             | 44.5  | 1 5/64              | 27.4  |
| WH-300-J-650 | J-650         | 80°        | 3 1/8             | 79.4  | 1 5/64              | 27.4  |
| WH-300-J-653 | J-653         | 80°        | 2 1/2             | 63.5  | 1 5/64              | 27.4  |
| WH-300-J-657 | J-657         | 80°        | 4                 | 101.6 | 1 5/64              | 27.4  |
| WH-300-4 1/2 | -             | 80°        | 4 1/2             | 114.3 | 1 5/64              | 27.4  |
| WH-300-J-658 | J-658         | 80°        | 5 1/2             | 139.7 | 1 5/64              | 27.4  |
| WH-300-9     | -             | 80°        | 9                 | 228.6 | 1 5/64              | 27.4  |
| WH-44-6      | -             | str.       | 6                 | 152.4 |                     |       |
| WH-45-2 1/2  | J-4000-2 1/2  | 90°        | 2 1/2             | 63.5  | 1 5/64              | 27.4  |
| WH-45-4      | J-4000-4      | 90°        | 4                 | 101.6 | 1 5/64              | 27.4  |
| WH-45-4 1/2  | J-4000-4 1/2  | 90°        | 4 1/2             | 114.3 | 1 5/64              | 27.4  |
| WH-45-5      | J-4000-5      | 90°        | 5                 | 127   | 1 5/64              | 27.4  |
| WH-45-6      | J-4000-6      | 90°        | 6                 | 152.4 | 1 5/64              | 27.4  |
| WH-45-7 1/2  | J-4000-7 1/2  | 90°        | 7 1/2             | 190.5 | 1 5/64              | 27.4  |
| WH-45-8      | J-4000-8      | 90°        | 8                 | 203.2 | 1 5/64              | 27.4  |
| WH-45-9      | J-4000-9      | 90°        | 9                 | 228.6 | 1 5/64              | 27.4  |
| WH-45-10     | J-4000-10     | 90°        | 10                | 254   | 1 5/64              | 27.4  |
| WH-45-10 1/2 | J-4000-10 1/2 | 90°        | 10 1/2            | 266.7 | 1 5/64              | 27.4  |
| WH-45-12     | J-4000-12     | 90°        | 12                | 304.8 | 1 5/64              | 27.4  |
| WH-45-13     | J-4000-13     | 90°        | 13                | 330.2 | 1 5/64              | 27.4  |
| WH-45-24     | J-4000-24     | 90°        | 24                | 609.6 | 1 5/64              | 27.4  |
| WH-45-28     | J-4000-28     | 90°        | 28                | 711.2 | 1 5/64              | 27.4  |
| WH-45-29 1/2 | J-4000-29 1/2 | 90°        | 29 1/2            | 749.3 | 1 5/64              | 27.4  |
| WH-45-30     | J-4000-30     | 90°        | 30                | 762   | 1 5/64              | 27.4  |
| WH-45-32     | J-4000-32     | 90°        | 32                | 812.8 | 1 5/64              | 27.4  |
| WH-45-36     | J-4000-36     | 90°        | 36                | 914.4 | 1 5/64              | 27.4  |
| WH-46-J-651  | J-651         | 90°        | 4 11/16           | 119   | 1 17/64             | 32.1  |
| WH-46-4 1/2  | -             | 90°        | 4 1/2             | 114.3 | 1 17/64             | 32.1  |
| WH-46-9      | -             | 90°        | 9                 | 228.6 | 1 17/64             | 32.1  |
| WH-47-J-652  | J-652         | 86°        | 5 1/2             | 139.7 | 1 5/64              | 27.4  |
| WH-47-4 1/2  | -             | 86°        | 4 1/2             | 114.3 | 1 5/64              | 27.4  |
| WH-47-9      | -             | 86°        | 9                 | 228.6 | 1 5/64              | 27.4  |
| WH-48-J-655  | J-655         | 74°        | 3 1/8             | 79.4  | 1 5/64              | 27.4  |
| WH-49-J-654  | J-654         | 60°        | 3 1/8             | 79.4  | 1 5/64              | 27.4  |
| WH-50-J-659  | J-659         | 90°        | 3 1/2             | 88.9  | 1 57/64             | 50.4  |
| WH-50-J-660  | J-660         | 90°        | 8 3/4             | 222.3 | 1 57/64             | 50.4  |
| WH-50-6      | -             | 90°        | 6                 | 152.4 | 1 57/64             | 50.4  |
| WH-50-7 1/2  | -             | 90°        | 7 1/2             | 190.5 | 1 57/64             | 50.4  |
| WH-51-J-668  | J-668         | 90°        | 4 11/16           | 119   | 5 1/8               | 130.2 |
| WH-52-2      | -             | 25°        | 2                 | 50.8  | 1 5/64              | 27.4  |
| WH-53-5 1/2  | -             | 80°        | 5 1/2             | 139.7 | 1 21/64             | 33.8  |
| WH-54-6      | -             | 90°        | 6                 | 152.4 | 2 25/64             | 60.8  |
| WH-55-2 1/2  | -             | 90°        | 2 1/2             | 63.5  | 2 25/64             | 60.8  |
| WH-55-8 1/2  | -             | 90°        | 8 1/2             | 216.2 | 2 25/64             | 60.8  |
| WH-56-3      | -             | 65°        | 3                 | 76.2  | 1 5/64              | 27.4  |
| WH-57-3      | -             | 80°        | 3                 | 76.2  | 1 5/64              | 27.4  |
| WH-58-2 1/2  | -             | 60°        | 2 1/2             | 63.5  | 2 1/8               | 54    |
| WH-59-J-656  | J-656         | 90°        | 3 11/16           | 93.7  | 2 5/8               | 66.7  |

## TECH TIP

ALL LARGE BORE SWIVEL VALVES CAN BE USED WITH EITHER OF THE RIM SPUDS FEATURED ON PAGE 12.



WH-45-4

Any other lengths can be ordered. All valves equipped with core and hex cap. On lengths over 6", 2 lock nuts are furnished.



WH-70-J-664

DOUBLE BEND SWIVEL VALVES

| HALTEC NO.         | TR NO. | BEND ANGLE | HORIZONTAL INCHES | LENGTH MM | VERTICAL INCHES | HEIGHT MM |
|--------------------|--------|------------|-------------------|-----------|-----------------|-----------|
| WH-70-J-661        | J-661  | 82°-8°     | 4 1/2             | 114.3     | 1 5/64          | 27.4      |
| WH-70-J-661-10 1/2 | -      | 82°-8°     | 10 1/2            | 266.7     | 1 5/64          | 27.4      |
| WH-70-J-661-25 1/2 | -      | 82°-8°     | 25 1/2            | 647.7     | 1 5/64          | 27.4      |
| WH-70-J-661-28     | -      | 82°-8°     | 28                | 711.2     | 1 5/64          | 27.4      |
| WH-70-J-664        | J-664  | 90°-13°    | 8 3/4*            | 222.3     | 1 5/64          | 27.4      |
| WH-70-J-664-12 1/2 | -      | 90°-13°    | 12 1/2*           | 317.5     | 1 5/64          | 27.4      |
| WH-70-J-667        | J-667  | 90°-11°    | 7 1/2*            | 190.5     | 1 5/64          | 27.4      |
| WH-71-J-9          | -      | 55°-35°    | 9                 | 228.6     | 1 33/64         | 38.5      |
| WH-72-J-21 1/4     | -      | 70°-20°    | 21 1/4            | 539.8     | 1 5/64          | 27.4      |
| WH-72-J-28         | -      | 70°-20°    | 28                | 711.2     | 1 5/64          | 27.4      |
| WH-73-J-21 1/4     | -      | 60°-30°    | 21 1/4            | 539.8     | 1 3/8           | 34.9      |

\*BENT AWAY FROM RIM

Any other lengths can be ordered.  
All valves equipped with core and hex cap.  
On lengths over 6", 2 lock nuts are furnished.



WH-75-J-662

TRIPLE BEND SWIVEL VALVES

| HALTEC NO.         | TR NO. | BEND ANGLE     | HORIZONTAL INCHES | LENGTH MM | VERTICAL INCHES | HEIGHT MM |
|--------------------|--------|----------------|-------------------|-----------|-----------------|-----------|
| WH-75-J-662        | J-662  | 90°-20°-20°    | 14                | 355.6     | 1 5/64          | 27.4      |
| WH-75-J-662-10 1/2 | -      | 90°-20°-20°    | 10 1/2            | 266.7     | 1 5/64          | 27.4      |
| WH-75-J-663        | J-663  | 90°-8°-8°      | 25                | 635       | 1 5/64          | 27.4      |
| WH-75-J-665        | J-665  | 90°-13°-13°    | 32                | 812.8     | 1 5/64          | 27.4      |
| WH-75-J-666        | J-666  | 84°-6°-31°-31° | 20 1/8            | 511.2     | 1 5/64          | 27.4      |

SPECIAL HYDROFLATING VALVES

Designed for faster filling of tires with liquid. Does not contain valve core.  
Straight-through 5/16" opening is sealed with special O-ring cap No. A-151. Used on loader tire in conjunction with similar Large Bore Air Valve.

AIR WATER VALVE

Used in conjunction with WH-330-J-694 Large Bore valve.

| HALTEC NO. | TR NO. | BEND ANGLE | "L" HORIZ. LENGTH |      | CAP   |
|------------|--------|------------|-------------------|------|-------|
|            |        |            | INCHES            | MM   |       |
| WH-JF-994  | JF-994 | 28°        | 3 1/2             | 88.9 | A-151 |



WH-JF-994

LARGE RADIUS, HIGH BEND AIR VALVE USED WITH 977S

All valves fit 13/16" valve hole.  
Uses A-145 valve core and A-149 cap.

| HALTEC NO.                    | BEND ANGLE | "L" LENGTH |       | "H" HEIGHT |      |
|-------------------------------|------------|------------|-------|------------|------|
|                               |            | INCHES     | MM    | INCHES     | MM   |
| 114S-5 1/2                    | 90°        | 5 1/2      | 139.7 | 2          | 50.8 |
| 114S-11                       | 90°        | 11         | 279.4 | 2          | 50.8 |
| Can be ordered in any length. |            |            |       |            |      |



114S-5 1/2

LARGE RADIUS, HIGH BEND AIR LIQUID VALVE

Uses Super Large Bore T-81 spud (TR-SP-8).  
Uses A-151 cap.

| HALTEC NO.                    | BEND ANGLE | "L" LENGTH |       | "H" HEIGHT |      |
|-------------------------------|------------|------------|-------|------------|------|
|                               |            | INCHES     | MM    | INCHES     | MM   |
| 977S-5 1/2                    | 90°        | 5 1/2      | 139.7 | 2          | 50.8 |
| 977S-11                       | 90°        | 11         | 279.4 | 2          | 50.8 |
| Can be ordered in any length. |            |            |       |            |      |



977S-5 1/2



All Valves Complete With Core, Cap, Spud Nut, and Grommet.



WH-330-J-691

TURRET VALVE FOR PLANETARY GEAR WHEELS

| HALTEC NO.     | TR NO. | ANGLE BEND 1 | OFFSET |      | HORIZONTAL LENGTH |       | ANGLE BEND 2 |
|----------------|--------|--------------|--------|------|-------------------|-------|--------------|
|                |        |              | IN     | MM   | IN                | MM    |              |
| WH-330-J-690   | J-690  | 28°          | 9/16   | 14.3 | 4 11/16           | 119.1 | 28°          |
| *WH-330-J-691  | J-691  | 18°          | -      | -    | 3 5/16            | 84.1  | -            |
| *WH-330-J-691B | J-691  | 18°          | -      | -    | 8 1/2             | 203.2 | -            |
| WH-330-J-692   | J-692  | 28°          | 9/16   | 14.3 | 4 11/16           | 119.1 | 18°          |
| WH-330-J-693   | J-693  | 60°          | 1      | 25.4 | 5                 | 127   | 60°          |
| *WH-330-J-694  | J-694  | 28°          | -      | -    | 3 1/2             | 88.9  | -            |
| WH-330-J-695   | J-695  | 50°          | 1      | 25.4 | 4 1/8             | 104.8 | 50°          |
| WH-330-J-696   | J-696  | 42°          | 29/32  | 23   | 4 1/4             | 108   | 42°          |

\*Single bend



DS-400-LENGTH



WH-44-LENGTH

DOUBLE SPUD VALVES

DS-400-LENGTH

This Large Bore double spud valve eliminates most of the plugging of Large Bore valves, which occurs at the bend of the swivel-type Large Bore valve.

WH-44 LENGTHS RIGID EXTENSION FOR DOUBLE SPUD

Can be ordered in any length.



DS-385

DS-390

H-43

DS-385

For rims with valve hole counterbore on O.D. of rim.

DS-390

For rims with 1/2" tapered pipe thread rim hole.

H-43

Double Spud plug



T-670

LOADER TIRE VALVE T-670

Loader tire valve complete with core, hex cap, and O-ring seal. Thread size is 1 1/16"-12.

LOADER TIRE VALVE

| HALTEC NO. | HEIGHT  |      | CAP   |
|------------|---------|------|-------|
|            | INCHES  | MM   |       |
| T-670      | 1 25/32 | 45.4 | A-149 |

TANK VALVE H-47

Screw-in type valve with 1/4" male pipe thread. Complete with core and cap.

TANK VALVE

| HALTEC NO. | TR NO. | HEIGHT  |      |
|------------|--------|---------|------|
|            |        | INCHES  | MM   |
| H-47       | J-671  | 1 19/32 | 40.5 |
| H-47L      |        | 2.1     | 53.3 |



H-47

STRAIGHT VALVES

H-41

Tubeless spud, used with all Large Bore swivel valves. Fits 13/16" rim hole.

H-42

Straight valve, equipped with core and hex cap.

H-45

Spud and valve complete. Consists of H-41 & H-42.

STRAIGHT VALVES

| HALTEC NO. | TR NO.    | HEIGHT |      |
|------------|-----------|--------|------|
|            |           | INCHES | MM   |
| H-41       | SP-2      | 11/16  | 15.8 |
| H-42       | TRJ-670-2 | 1 1/2  | 38.1 |
| H-45       | TRJ-670-3 | 1 5/8  | 41.3 |



H-41



H-42



H-45

TECH TIP

THE ULTIMATE FLOW RESTRICTION IN ANY INFLATION/DEFLATION SERVICE IS THE DIAMETER OF THE VALVE AND/OR VALVE CORE.

HAND-BENDABLE EXTENSIONS

| HALTEC NO.  | EFFECTIVE LENGTH |       |
|-------------|------------------|-------|
|             | INCHES           | MM    |
| 753S-3 1/2  | 3 1/2            | 89.6  |
| 753S-4      | 4                | 101.6 |
| 753S-4 1/2  | 4 1/2            | 114.3 |
| 753S-8      | 8                | 203.2 |
| 753S-9      | 9                | 228.6 |
| 753S-10     | 10               | 254   |
| 753S-11 1/2 | 11 1/2           | 292.1 |
| 753S-12     | 12               | 304.8 |
| 753S-13 1/2 | 13 1/2           | 342.9 |
| 753S-16     | 16               | 406.4 |
| 753S-17     | 17               | 431.8 |
| 753S-17 1/2 | 17 1/2           | 444.5 |
| 753S-18     | 18               | 457.2 |
| 753S-18 1/2 | 18 1/2           | 469.9 |
| 753S-19     | 19               | 482.6 |
| 753S-20 1/2 | 20 1/2           | 520.7 |
| 753S-21     | 21               | 533.4 |
| 753S-21 1/2 | 21 1/2           | 546.1 |
| 753S-22 1/2 | 22 1/2           | 571.5 |
| 753S-23     | 23               | 584.2 |
| 753S-23 1/2 | 23 1/2           | 596.9 |
| 753S-24 1/2 | 24 1/2           | 622.3 |
| 753S-25     | 25               | 635.3 |
| 753S-29 1/2 | 29 1/2           | 749.3 |
| 753S-32     | 32               | 812.8 |

TECH TIP

THE 3/4" HEX SEALING NUT, 463, IS INCLUDED WITH EACH EXTENSION. THE NUT COMES WITH A WASHER THAT FORMS A TIGHT SEAL BETWEEN THE EXTENSION AND THE VALVE. IT ALSO ACTS AS A LOCK, TO KEEP THE EXTENSION FROM COMING LOOSE. FOR SHIPPING PURPOSES, THE 463 SEALING NUT IS SCREWED ONTO THE EXTENSION, BUT WHEN IN USE MUST BE MOVED TO THE VALVE BEFORE INSTALLING THE EXTENSION.

EXTENSIONS

HAND-BENDABLE

Equipped with 2 lock nuts and 3/4" hex sealing nut. A teflon gasket seals on end of valve, the lead seal in the sealing nut is forced into the threads for a second seal, positively locking extension to valve. Cap and core not included. They should be removed from valve and transferred to extension. The extension should be anchored to rim.

Other lengths can be ordered.



753S- LENGTH



## RIGID BRASS EXTENSIONS

| HALTEC NO. | EFFECTIVE LENGTH |       |
|------------|------------------|-------|
|            | INCHES           | MM    |
| 867-1 1/4  | 1 1/4            | 31.8  |
| 867-1 1/2  | 1 1/2            | 38.1  |
| 867-2      | 2                | 50.8  |
| 867-2 1/2  | 2 1/2            | 63.5  |
| 867-3      | 3                | 76.2  |
| 867-3 3/8  | 3 3/8            | 85.7  |
| 867-4      | 4                | 101.6 |
| 867-4 1/2  | 4 1/2            | 114.3 |
| 867-5      | 5                | 127   |
| 867-5 9/16 | 5 9/16           | 141.3 |
| 867-6      | 6                | 152.5 |
| 867-6 7/8  | 6 7/8            | 174.6 |
| 867-7 1/4  | 7 1/4            | 184.2 |
| 867-7 3/4  | 7 3/4            | 196.8 |
| 867-8      | 8                | 203.2 |
| 867-8 1/2  | 8 1/2            | 216.2 |
| 867-9      | 9                | 228.6 |
| 867-10     | 10               | 254   |
| 867-10 3/4 | 10 3/4           | 273   |
| 867-12     | 12               | 304.8 |
| 867-12 1/2 | 12 1/2           | 317.5 |
| 867-16     | 16               | 406.4 |
| 867-18 7/8 | 18 7/8           | 479.4 |
| 867-22 1/2 | 22 1/2           | 571.5 |
| 867-24 1/2 | 24 1/2           | 622.3 |

### RIGID BRASS EXTENSION

All-brass extension used where mounted in straight line with valve. Full-length deflector pin opens core in valve when servicing. Equipped with hex cap and 2 lock nuts on extensions over 5" in length. Replacement seal is available (part #F-454). **Other lengths can be ordered.**



867-LENGTH

## FLEXIBLE EXTENSIONS

| HALTEC NO.  | EFFECTIVE LENGTH |       |
|-------------|------------------|-------|
|             | INCHES           | MM    |
| 810F-8      | 8                | 203.2 |
| 810F-9      | 9                | 228.6 |
| 810F-10     | 10               | 254   |
| 810F-11 1/2 | 11 1/2           | 292.1 |
| 810F-12     | 12               | 304.8 |
| 810F-13 1/2 | 13 1/2           | 342.9 |
| 810F-16     | 16               | 406.4 |
| 810F-17     | 17               | 431.8 |
| 810F-17 1/2 | 17 1/2           | 444.5 |
| 810F-18     | 18               | 457.2 |
| 810F-18 1/2 | 18 1/2           | 469.9 |
| 810F-19     | 19               | 482.6 |
| 810F-20 1/2 | 20 1/2           | 520.7 |
| 810F-21 1/2 | 21 1/2           | 546.1 |
| 810F-22 1/2 | 22 1/2           | 571.5 |
| 810F-23     | 23               | 584.2 |
| 810F-23 1/2 | 23 1/2           | 596.9 |
| 810F-24 1/2 | 24 1/2           | 622.3 |
| 810F-25     | 25               | 635   |
| 810F-29 1/2 | 29 1/2           | 749.3 |
| 810F-32     | 32               | 812.8 |
| 810F-40     | 40               | 1016  |

### FLEXIBLE EXTENSION

Made with tough rubber hose and reusable hydraulic-type fittings. Equipped with 2 lock nuts and 3/4" hex sealing nut. A teflon gasket seals on end of valve. The lead seal in the sealing nut is forced into the threads for a second seal, positively locking extension to valve. Cap and core are not included. They should be removed from valve and transferred to extension. **Other lengths can be ordered.**



810F-LENGTH

## CUSTOM-BENT SWIVEL VALVES AND EXTENSIONS FOR CATERPILLAR (OE VALVES)

| HALTEC NO. | OVERALL LENGTH (") | NUMBER OF BENDS | TYPE      |
|------------|--------------------|-----------------|-----------|
| WHG-0570VC | 19 31/32           | 5               | Valve     |
| WHG-1450VC | 32 7/8             | 5               | Valve     |
| WHG-4985VC | 19 3/4             | 4               | Valve     |
| WHG-5112VC | 28 3/8             | 4               | Valve     |
| WHG-5200VC | 27                 | 5               | Valve     |
| WHG-5410VC | 31 9/16            | 5               | Valve     |
| WHG-5420VC | 33                 | 5               | Valve     |
| WHG-8018VC | 26 3/4             | 4               | Valve     |
| WHG-8019VC | 8                  | 1               | Valve     |
| WHG-8852VC | 18 9/16            | 4               | Valve     |
| WHG-9440VC | 27                 | 5               | Valve     |
| WHG-9470VC | 31 1/2             | 5               | Valve     |
| WHD-0585EC | 17 15/16           | 4               | Extension |
| WHD-5008EC | 17 13/16           | 4               | Extension |
| WHD-5922EC | 15 1/4             | 5               | Extension |
| WHD-7103EC | 16 1/4             | 4               | Extension |
| WHD-7601EC | 16 3/4             | 4               | Extension |
| WHD-7602EC | 14 1/4             | 4               | Extension |
| WHD-7940EC | 19                 | 5               | Extension |
| WHD-7948EC | 20 5/8             | 4               | Extension |
| WHD-7949EC | 28 7/8             | 4               | Extension |
| WHD-8262EC | 28 1/2             | 6               | Extension |
| WHD-9903EC | 16 7/8             | 4               | Extension |



## LARGE BORE SCREW-ON VALVES FOR INNER TUBES

| HALTEC NO. | TR NO.  | (A) ANGLE BEND | (B) VERT. HEIGHT |       | (C) HORIZ. LENGTH |       |
|------------|---------|----------------|------------------|-------|-------------------|-------|
|            |         |                | INCHES           | MM    | INCHES            | MM    |
| LB-216*    | J-1014  | Strt.          | 1 29/32          | 48.4  | -                 | -     |
| LB-217*    | J-1076A | Strt.          | 4 5/32           | 105.6 | -                 | -     |
| LB-218*    | J-1076B | 86°            | 1 1/8            | 28.6  | 3 1/4             | 82.6  |
| LB-219*    | J-1076C | 90°            | 1 1/2            | 38.1  | 2 7/8             | 73    |
| LB-220*    | J-1076D | 90°            | 2 1/16           | 52.4  | 2 5/16            | 58.7  |
| LB-221*    | J-1076E | 88°            | 1 3/8            | 34.9  | 3                 | 76.2  |
| LB-223*    | J-1175A | Strt.          | 5 9/32           | 134.1 | -                 | -     |
| LB-224*    | J-1175B | 82°            | 1 1/4            | 31.8  | 4 1/4             | 108   |
| LB-225*    | J-1175C | 88°            | 1 3/8            | 34.9  | 4 1/8             | 104.8 |
| LB-226*    | J-1078A | Strt.          | 5 25/32          | 146.8 | -                 | -     |
| LB-227*    | J-1078B | 82°            | 1 3/8            | 34.9  | 4 5/8             | 117.5 |
| LB-228*    | J-1078C | 90°            | 1 1/8            | 28.6  | 4 7/8             | 123.8 |
| LB-229*    | J-1179A | Strt.          | 6 13/32          | 162.7 | -                 | -     |
| LB-230*    | J-1179B | 88°            | 1 3/8            | 34.9  | 5 1/4             | 133.4 |
| LB-231*    | J-1179C | 86°            | 1 3/8            | 28.6  | 5 1/2             | 139.7 |

These valves are supplied in straight or bent form ready for installation on tubes. Equipped with A-145 valve core and A-149 hex cap. Used with SP-1000 tube spud.



LB-227\*

### H-4000 ADAPTER

H-4000 adapter converts tubes having SP-1000 type spud to accept Large Bore swivel valves. Equipped with BW-18 washer and used with rim slots. H-4000-1 Adapter Same as H-4000 except without bridge washer and hex nut.



H-4000

H-4000-1



## TECH TIP

A SPECIALLY DESIGNED TIRE VALVE ALLOWS FOR CONSTANT VISUAL PRESSURE CHECKS. IN ORDER TO USE PT GAUGE YOU MUST USE A SPECIAL PT TIRE VALVE.



PT GAUGE WITH VALVE

## PT GAUGE

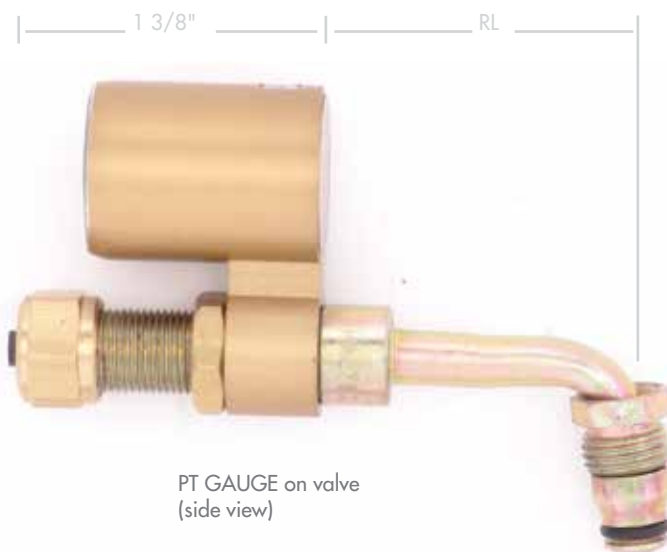
The PT Valve System is a design that allows tire pressure to be monitored with an easy-to-read, liquid filled, dial gauge attached to the valve. PT gauge is ordered separately. Comes with gauge and nut. Calibrated 0-160 PSI.

The PT valve and gauge can be used on most Large Bore, Super Large and Z-Bore applications.

This gauge mounts on specially designed PT-style valves which allow visual tire pressure checks yet also allows for inflation, deflation, and manual pressure checks without removing the gauge.

The PT gauge has an all-anodized aluminum body and is completely sealed to prevent moisture from fogging the glow-in-the-dark dial.

The PT Gauge is liquid filled to prevent damage from vibration.



PT GAUGE on valve  
(side view)

When ordering valves for steering rim assemblies, check the rear length measurement (RL) so the device will clear the valve lug. This is important on some front truck rims and rear forklift or container-mover tires.

## TECH TIP

AFTER FUEL, TIRES ARE OFTEN A FLEET'S LARGEST EXPENSE. THE BEST WAY TO ENSURE MAXIMUM TIRE LIFE IS THROUGH PROPER TIRE INFLATION. USING A PT VALVE AND GAUGE ASSEMBLY, TIRE PRESSURE MONITORING HAS NEVER BEEN EASIER. USE THE PT GAUGE FOR DAILY CHECKS AND A SEPARATE MASTER GAUGE FOR WEEKLY CHECKS AND YOU WILL CATCH AIR LOSS BEFORE IT CAN CAUSE PERMANENT TIRE DAMAGE.

BY SELECTING THE RIGHT PT VALVE FOR THE APPLICATION, A GAUGE CAN BE INSTALLED ON VIRTUALLY ANY MACHINE WITHOUT THE GAUGE ASSEMBLY BEING VULNERABLE TO DAMAGE. ON SOME JOB SITES AIR PRESSURE ALMOST NEVER GETS CHECKED UNTIL IT IS VISUALLY NOTICED AND BY THIS TIME PERMANENT TIRE DAMAGE HAS OCCURRED. THE PT VALVE AND GAUGE ASSEMBLY WILL RAISE THE AWARENESS LEVEL OF MACHINE OPERATORS, MAKING IT EASIER FOR THEM TO RECOGNIZE A LOW TIRE BEFORE DAMAGE HAS BEEN DONE.

## PTC BLOCK-OFF COLLAR

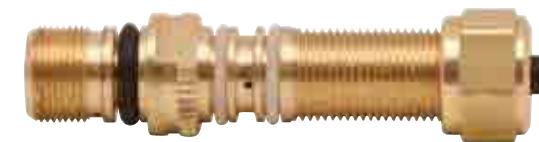
When the gauge is not being used, a PTC block-off collar can be installed to prevent air leakage. 5/8" hex.



PTC

## PT-R-520

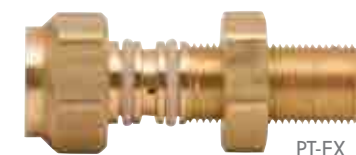
All PT valves have trouble-free, urethane O-rings on the valve barrel. For Super Large Bore applications, order the PT-R-520 core housing. Compatible for use with the IN-80A and IN-95.



PT-R-520

## PT-EX

Large Bore extension with 1 5/8" effective length to allow PT Gauge installation on existing valves.



PT-EX

## PT-EX-DP

Same as above, but comes equipped with internal deflector pin, therefore the core does not need to be moved from the valve.

## PT VALVE SYSTEM

| HALTEC NO.   | DESCRIPTION   | CAP   |
|--------------|---|-------|
| PT Gauge     | Gauge with nut for use on PT valves, 0-160 PSI            | -     |
| PTC          | Block-off collar for PT valves when gauge is not attached | -     |
| PT-300-J-650 | WH-300-J-650 with PT grooves and O-rings                  | A-150 |
| PT-45-6      | WH-45-6 with PT grooves and O-rings                       | A-150 |
| PT-330-J-690 | WH-330-J-690 with PT grooves and O-rings                  | A-150 |
| PT-H-42      | H-42 with PT grooves and O-rings                          | A-150 |
| PT-753S-6    | 753S-6 with PT grooves and O-rings                        | A-150 |
| PT-R-520     | R-520 with PT grooves and O-rings for Super Large Bore    | A-150 |
| PT-330-3 1/2 | Turret-style valve with 3 1/2" effective length           | A-150 |

- Other Valves and Sizes Available
- To order other valves add the prefix "PT" to the Haltec valve number
- Assemble the valve to the tire and wheel assembly before installing the PT gauge to the PT valve.

## TL-634

Tightens nut to hold PT gauge on valve assembly. Also tightens A-150 cap and PTC collar.



TL-634

## PT-Z10 Z-BORE CORE HOUSING

All PT valves have trouble-free, urethane O-rings on the valve barrel. For Z-Bore applications, order the PT-Z10 core housing. Compatible for use with the Z12-B and IN-95A.



PT-Z10



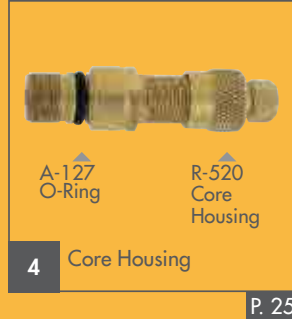
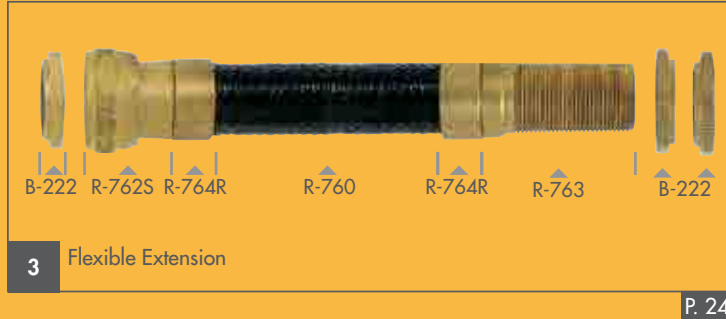
The PT valve hole allows the gauge to provide continuous pressure readings.

PT-45-6



PT-330-3 1/2





## COMPONENTS OF THE HALTEC SUPER LARGE BORE SYSTEM

M-1950 complete swivel valve, including R-520 core housing and T-81 spud.

M-1900: Same as M-1950 but without T-81 spud.

The Super Large Bore Valve System was developed in 1972. There are four parts to the valve and a unique inflator is also needed to maximize the air flow.

- 1 There are three spud designs:
  - a. The standard clamp-in spud (T-81/T-82)
  - b. The screw-in spud (C-100/C-155/C-134)
  - c. The angle screw-in spud (S-85)
- 2 The next component is the swivel angle connector which threads onto the spud. There are different angles and lengths to accommodate the requirements of the customer. (R-525 Series)
- 3 The next component is a flexible extension which can be made in any length. (MT-3000 Series)
- 4 The core housing makes up the final component. It contains a Large Bore Valve Core for servicing the tire assembly for routine pressure checks and allows the complete core housing removal for the Super Large Bore application. It can also be installed in any of the previous components for a shorter valve. (R-520)
- 5 To maximize air flow, an IN-80A or an IN-95 inflator is used to remove the core housing during inflation and deflation. A kit to allow extension assembly in the field is available. Rigid extensions are also available. *The Super Large Bore Valve System is more than three times faster than a Large Bore Valve.*

### TECH TIP

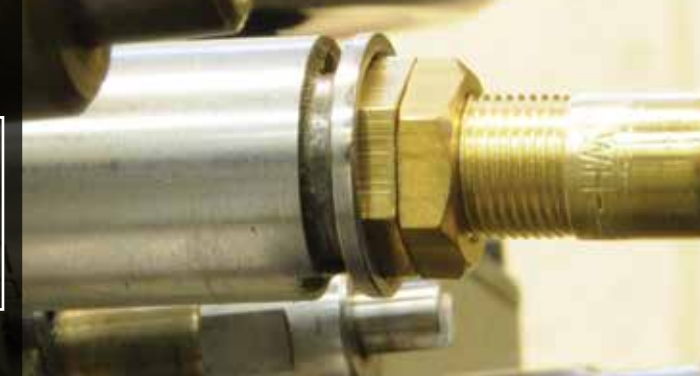


SCAN AND VIEW VIDEO FOR HYDRAULIC VALVE TOOL FIELD ASSEMBLY

### TECH TIP



SCAN AND VIEW VIDEO FOR MANUAL VALVE TOOL FIELD ASSEMBLY



## 1 CLAMP IN SPUDS

### T-81 CLAMP-IN SPUD

Fits the 13/16" diameter valve hole. The T-81 spud (TR-SP8) can attach any Super Large Bore valve to the rim through a standard valve hole (13/16" diameter). Tire must be dismounted to change spud.

### T-82 CLAMP-IN SPUD

Similar to the T-81 spud but with an effective length 1/4" longer.



## SCREW-IN SPUDS 1/2" & 3/4"NPT TAPPED HOLE

### S-85 ANGLE SCREW-IN SPUD

S-85 angle screw-in spud. Fits 1/2" NPT-tapped rim hole. 85° bend angle. Other angles available.

### S-85-D ANGLE SCREW-IN SPUD

Furnished with a locking nut with a teflon seal so direction can be reversed. 85° bend angle.

### SLB-85 3/4" NPT SUPER LARGE BORE ANGLE SPUD

Screw-in spud, fits 3/4" NPT-tapped rim hole 85° bend.



### C-100 SCREW-IN SPUD

The screw-in spud is used to attach any of the Super Large Bore valves to the rim and is designed to screw into a 1/2" NPT-tapped rim hole. The spud can be changed without dismounting the tire. C-100 has internal threads for core housing. C-155 has no internal thread.

### C-155 SCREW-IN SPUD

Same as C-100 but has no internal thread.

### C-134 3/4" NPT SCREW-IN SPUD

3/4" NPT Screw-in spud



### TECH TIP

THREAD SEALANT SHOULD ALWAYS BE USED ON PIPE THREADS. NINETY-FIVE PERCENT OF LARGE BORE VALVES USE 13/16" ID VALVE HOLE.

## 2 SWIVEL ANGLE CONNECTOR

Component two of the Super Large Bore System is generally a swivel connector that screws on the spud.

Connectors of various angles and lengths are available.

The other end of the connector accommodates a MT-3000 flexible extension which attaches to the R-520 core housing or the 6185 check valve.

| HALTEC NO.   | BEND ANGLE |
|--------------|------------|
| R-525        | 90°        |
| R-685        | 85°        |
| R-625        | 80°        |
| R-675        | 75°        |
| R-660        | 60°        |
| R-529 5 1/4" | 90°        |



R-525

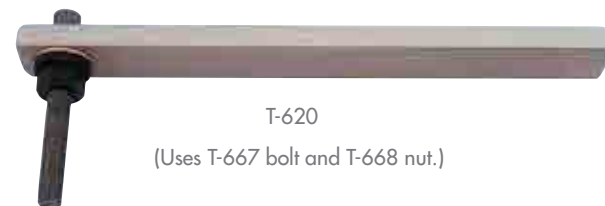


MT-3000

Extension Length

## 3 MT-3000 FLEXIBLE EXTENSION SERIES

Flexible extensions are made up in any length to allow the extension to fit the wheel configuration. The specially designed fittings and thermoplastic hose will not fatigue or crush during service. Corrosion problems are eliminated. Another important benefit of the Haltec Super Large Bore System is the ability to customize your extension in the field. The R-969-K and R-969K-1 kits are available to field assemble your own flexible extensions with the T-620 assembly tool.



T-620

(Uses T-667 bolt and T-668 nut.)

## SLBHAT

This tool is used to assemble Super Large Bore flexible valves. The tool uses hydraulic power supplied by one of the air hydraulic pumps and does the work of pulling the mandrel through the hose fittings. It is fully portable and can be used anywhere an air hydraulic pump is available. See air hydraulic pumps on page 94.



SLBHAT

## ASSEMBLY KIT FOR SUPER LARGE BORE VALVES FIELD SERVICE

### R-969K-1

Consists of R-762S swivel connector, R-763 straight tubing connector, R-764R (2) tubing connector sleeves, and B-222 nuts (2).

### R-969-K

Consists of the above plus the R-520 core housing complete with core and cap.

### R-760

Extension Tubing - available in 50' and 100' lengths. For proper field assembly, cut R-760 hose 2 1/4" shorter than required length and complete with swivel angle connectors and core housing.



R-760



R-520



R-763



R-762S



B-222



R-764R

## 4 CORE HOUSING OR CHECK VALVE

### R-520 (TR-CH-8) CORE HOUSING COMPLETE WITH CORE AND A-149 CAP

The R-520 is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the fullest flow.



R-520

### R-520B CORE HOUSING COMPLETE WITH CORE AND A-150 CAP

The R-520B is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the fullest flow.



R-520B

### A-449 SUPER LARGE BORE PROTECTIVE CAP

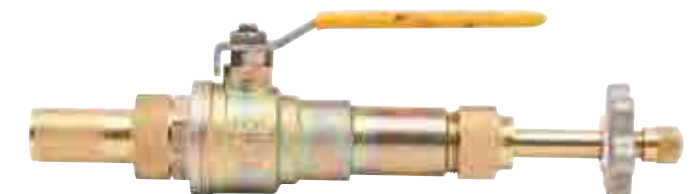
Locks the R-520 in place and cannot be removed until the A-449 is removed. Adds extra security by keeping the R-520 core housing in place deterring the tire from going flat. Protects the 1 1/16-24 thread on the valve.



A-449

### TL-800 CORE HOUSING REPLACEMENT TOOL

Safely removes and replaces the R-520 core housing without losing pressure in the tire. Brass ball valve made of corrosion-resistant brass.



TL-800





IN-80A



## 5 INFLATOR ADAPTER

### IN-80A SUPER LARGE BORE INFLATOR ADAPTER

The Haltec design of the Super Large Bore inflator adapter offers many advantages.

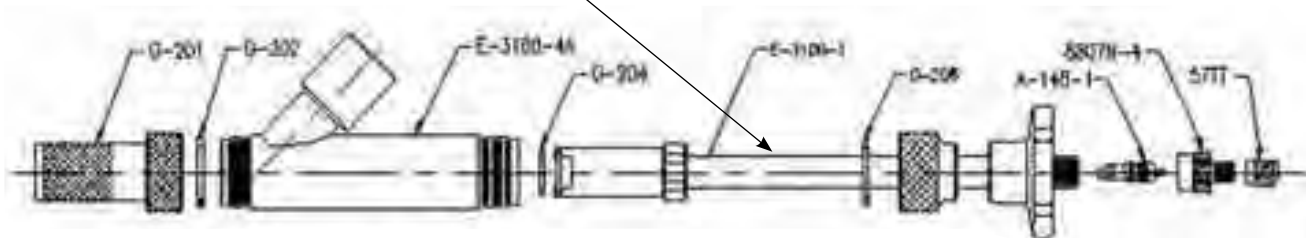
- 1/2" pipe thread for easy air hose connection. During inflation, air pressure in the tire can be checked through the stem knob with a tire pressure gauge.
- Reduces inflation time 60%, deflation time 80%.
- The core housing is held in a stainless steel extractor by a snap ring.
- Extractor is rugged enough so that the core housing can be loosened or tightened without being damaged. The IN-80A inflator adapter saves time by fast inflation or deflation on a tire. After removing the valve cap, the inflator is screwed onto the valve stem. The inflator stem is pushed in to engage the flats on the core housing. By rotating the stem counter clockwise, the core housing can be removed without any danger to the person removing it. The core housing is pulled up into the inflator body and held there during inflation or deflation. Can also be used for liquid-filling tires equipped with Super Large Bore valves.

### IN-80A PARTS LIST:

- G-201 Ejector Union
- E-3100-4A Adapter Body
- G-206 Gasket for E-3100-1
- 8807N-4 Cap Adapter
- E-3100-1 1 Piece Stem and Collet
- G-202 Gasket for G-201
- G-204 Snap Ring for Collet
- A-145 Large Bore Valve Core
- 57TT Standard Bore Cap

**NEW**

1 piece stainless steel construction



B050121005

### B050121005 MUFFLER FOR IN-80A

Muffles sound which protects the hearing of operator while deflating the tire. 1/2" fitting attaches to the IN-80A inflator. Decibel rating between 17-25 DBA.

**NEW**

### NUT AND BOLT THREAD CLEANING KITS

Portable on-site thread cleaners provide a fast and efficient way to clean your studs before the nuts are removed using a 1/2" cordless, electric or air powered drill.

#### NBTC-1 Small Kit Includes:

- 1", 1 1/4", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2" external threads
- A small spare brush package of 12

#### NBTC-2 Large Kit Includes:

- 4", 4 1/2", 5", 5 1/2", 6" external threads
- 4", 4 1/2", 5", 5 1/2", 6" internal threads
- A large spare brush package of 12.



## RIGID METAL SWIVEL VALVES

### MR-800 SWIVEL VALVE

MR-800-Length. Rigid metal swivel valve with R-520 core housing and (2) B-222 lock nuts. **Can be ordered in different lengths.**



MR-800

### MR-850 SWIVEL VALVE

MR-850-Length. Same as MR-800 except with a T-81 rim spud.



MR-850

### MR-890 TURRET VALVE

MR-890-Length. Rigid metal turret-type valve with R-520 core housing, B-222 lock nuts (3).



MR-890

### M-2000 SWIVEL VALVE ASSEMBLY

A 90° swivel valve having 3 1/8" horizontal length.

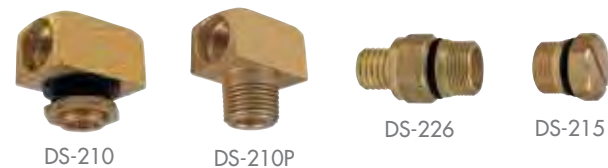


M-2000

### CUSTOM VALVES

Custom valves can be formed with any bends and lengths to fit specific applications.





## DOUBLE SPUD ASSEMBLY



### DS-296 SUPER LARGE BORE DOUBLE SPUD VALVE ASSEMBLY (WITH FLEXIBLE EXTENSION)

Designed for wheels where space is critical. Valve height above rim is only 7/8". Consists of DS-210 double spud, DS-215 plug and MT-4000-length flexible extension.



### MT-4000 LENGTH FLEXIBLE EXTENSION

Used with DS-296 and PB-210. Any length can be ordered. Consisting of: DS-226 connector, R-763 connector, R-764R sleeves (2), R-760 tubing.



### N -1538B

7 7/8" long Super Large Bore turret valve with 15° bend, used on Caterpillar applications.



### N -1543A

6 1/8" long Super Large Bore turret valve with 15° bend, used on Caterpillar applications.



### N-1066 SUPER LARGE BORE LOADER VALVE

Accepts R-520 core housing or other Super Large Bore swivel fittings. Thread size is 1 1/16"-12. Super Large Bore version of T-670.



### S-7910 VALVE SUPPORT

Used for Super-Large Bore.

## SUPER LARGE BORE AIR-LIQUID VALVE FOR TRACTOR & GRADER

### M-5000 VALVE ASSEMBLY

Screw-in type spud with O-ring seal. R-521 core housings not interchangeable in other Super Large Bore spuds. Thread size is 3/4" - 16.



### M-1870 VALVE ASSEMBLY

Super Large Bore straight valve assembly consists of R-520 core housing and T-81 spud.



### N-1050 VALVE ASSEMBLY

Same as M-1870 but with T-82 spud.



### H-50 (TR-F-910)

Straight Valve Assembly Components T-81 spud and R-372 core housing.



### R-372 (CH-16)

Fits T-81, C-100 & SP816 tube spud.

## TECH TIP

THE FLOW OF THE LARGE BORE VALVE IS THREE TIMES MORE AIR THAN THE STANDARD BORE VALVE. THE SUPER LARGE BORE VALVE IS FOUR TIMES MORE AIR THAN A LARGE BORE VALVE.

MEASURED IN COST OF DOWNTIME AND THE COST TO SERVICE LARGE OFF-THE-ROAD TIRES, SUPER LARGE BORE IS A BARGAIN.

AS THE TREND CONTINUES TOWARD LARGER VEHICLES WITH LARGER TIRES, THE NEED IS FOR FASTER, MORE EFFICIENT TIRE SERVICING.

SUPER LARGE BORE FILLS THAT NEED. FOR EVEN FASTER AIR FLOW, SEE THE MEGA BORE VALVE SYSTEM ON PAGE 34 OR THE Z-BORE ON PAGE 30.





## COMPONENTS OF THE HALTEC Z-BORE SYSTEM

The Z-Bore Valve System is very similar to the Super Large Bore System. By using an O-ring seal to clamp the spud to the rim, a greater flow diameter is created without sacrificing strength or performance.

- 1 There are three basic spud designs:
  - a. The standard clamp-in spud (Z2)
  - b. The screw-in spud (Z1)
  - c. The angle screw-in spud (Z4)
- 2 The second component is the swivel angle connector which threads onto the spud. As with Super Large Bore Valves, you can install a core housing into the spuds to make a valve.
- 3 The Z-Bore Flexible Extension can be made in various lengths.
- 4 The core housing is the final component. It contains a Large Bore Valve Core for servicing the tire assembly for routine pressure checks and allows the complete core housing removal for the Z-Bore application.
- 5 To maximize air flow, a Z12-B or IN-95 inflator is used to remove the core housing during inflation and deflation. This inflator operates like the Super Large Bore Inflator.

Like Super Large Bore Extensions, you can use a kit to allow extension assembly in the field. Rigid extensions are also available. Z-Bore flows 370 CFM compared to 240 CFM on the Super Large Bore Valve System.

### TECH TIP



SCAN AND  
VIEW VIDEO  
FOR FIELD  
ASSEMBLY



## 1 RIM SPUDS

There are three spud types available: the standard clamp-in spud, a screw-in spud, and an angle screw-in spud.

The Z-Bore Valve System is very similar to the Super Large Bore System. By using an O-ring to seal the clamp-in spud to the rim, a greater flow diameter is created without sacrificing strength or performance.

### TECH TIP

Z-BORE FLOWS 370 CFM COMPARED TO 240 CFM ON THE SUPER LARGE BORE VALVE SYSTEM.

### Z2 CLAMP-IN SPUD

Fits the 13/16" diameter valve hole. The Z-2 spud can attach any Z-Bore valve to the rim through a standard valve hole (13/16"). Tire must be dismounted to change spud.



### Z1 SCREW-IN SPUD

The screw-in spud is used to attach any of the "tapped" Valves to the rim and is designed to screw into a 1/2" NPT-tapped hole. The spud can be changed without demounting the tire.



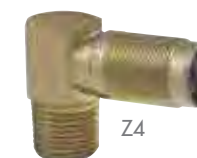
### Z13 SCREW-IN SPUD

The Z-13 screw-in spud screws into the 3/4" NPT-tapped rim hole and converts Mega Bore to Z-Bore.



### Z4 ANGLE SCREW-IN SPUD

Fits 1/2" NPT-tapped rim hole. 85° bend angle.





Z3-90

### 2 ANGLE CONNECTORS

The second component is the swivel angle connector which threads onto the spud. As with Super Large Bore valves, you can install a core housing into the spuds to make a valve.

#### ANGLE CONNECTOR

Connectors of various angles and lengths are available. The connector accommodates a flexible extension which attaches to the Z-10 core housing.

#### ANGLE CONNECTORS

| HALTEC NO. | ANGLE |
|------------|-------|
| Z3-60      | 60°   |
| Z3-75      | 75°   |
| Z3-80      | 80°   |
| Z3-90      | 90°   |

### 3 THE Z-BORE FLEXIBLE EXTENSION CAN BE MADE IN VARIOUS LENGTHS

Flexible extensions are made in any length to allow the extension to fit the wheel configuration. The specially designed fittings and thermoplastic hose will not fatigue or crush during service. Corrosion problems are eliminated. Another important benefit of the Haltec Z-Bore System is the ability to customize your extension in the field. The ZFAK field assembly kit is available to field assemble your own flexible extension with the Z5 assembly tool.



ZBFE-LENGTH



HT-Z-100

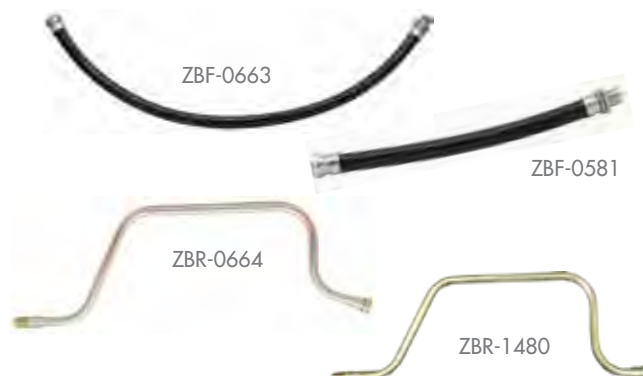
#### HT-Z-100 HIGH TEMP SLEEVE

Used to protect Z-100 tubing.

#### KOMATSU

##### KOMATSU EXTENSIONS

| KOMATSU NO. | HALTEC NO. | NOTES     |
|-------------|------------|-----------|
| PC0664      | ZBR-0664   | Old Style |
| PC0581      | ZBF-0581   |           |
| PC0663      | ZBF-0663   |           |
| PC1480      | ZBR-1480   | New Style |



### ZFAK - ASSEMBLY KIT FOR Z-BORE VALVES

ZFAK consists of Z8 Swivel connector, Z17 straight tubing connector, two Z2-2 nuts, two Z9 tubing connector sleeves and Z10 core housing. Z-100 tubing is ordered separately.



The core housing is the final component. It contains a Large Bore valve core for servicing the tire assembly for routine pressure checks. The Z12-B inflator allows the complete removal of the core housing for the Z-Bore application. For proper field assembly, cut Z-100 hose 2 1/4" shorter than required length and complete with angle connectors and core housing.

### 4 Z10 CORE HOUSING

Complete with Core and Cap, the Z10 is an integral part of the system as the Z10 is removed from the valve assembly with the Haltec Z12-B Inflator to utilize the larger opening and the fullest flow.



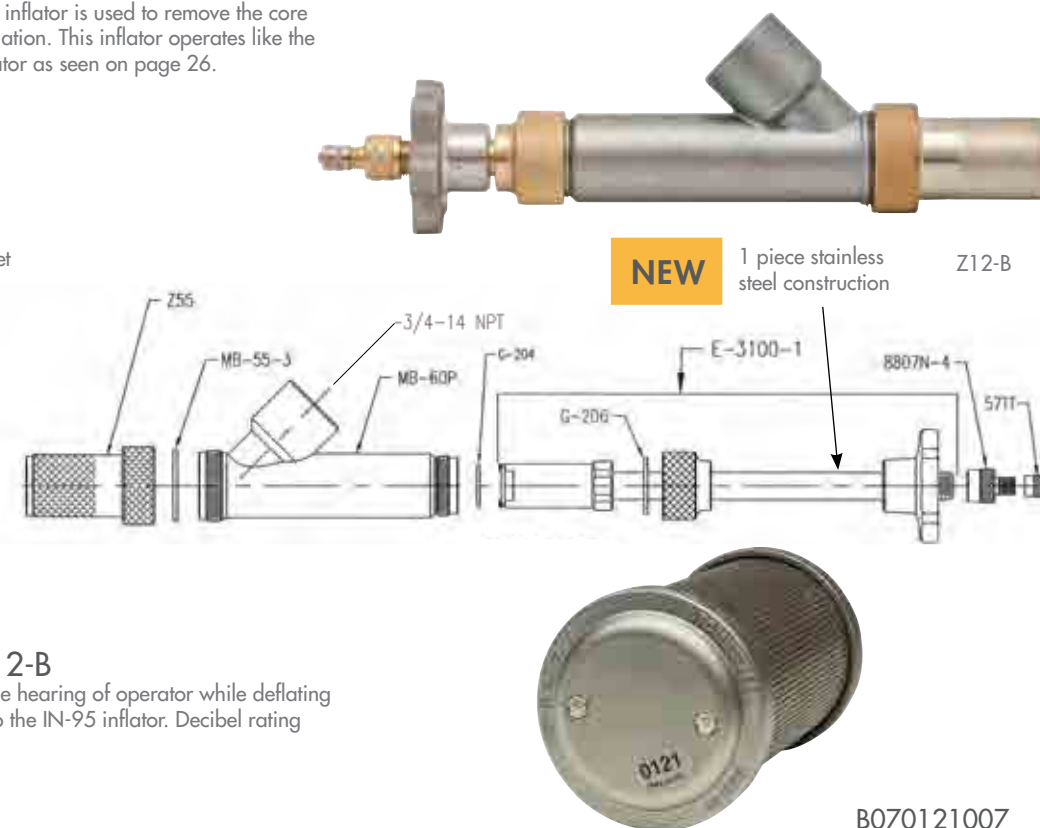
Z10

### 5 Z12-B INFLATOR

To maximize air flow, a Z12-B inflator is used to remove the core housing during inflation & deflation. This inflator operates like the IN-80A Super Large Bore inflator as seen on page 26.

#### Z12-B PARTS LIST:

- Z55 Ejector Union
- G-202 Gasket for Z11
- MB-60P Gasket for Z55
- G-204 Snap Ring for Collet
- E-3100-1 1 piece Stem & Collet
- G-206 Gasket for Stem Nut
- 8807N-4 Cap Adapter
- 57TT Standard Bore Cap



NEW

1 piece stainless steel construction

Z12-B

#### B070121007 FOR Z12-B

Muffles sound which protects the hearing of operator while deflating the tire. 3/4" fitting attaches to the IN-95 inflator. Decibel rating between 17-25 DBA.



B070121007





## COMPONENTS OF THE HALTEC MEGA BORE SYSTEM

The Mega Bore Valve System is unique because it uses a different hole size than other valve systems. There are several other features which make this system unique.

- There are three types of rim spuds:
  - The clamp-in spud for the 15/16" rim hole.
  - The angled screw-in spud for the 3/4" NPT rim hole.
  - Screw-in spud for the 3/4" NPT rim hole.
- The second component is an angle connector which screws onto the clamp-in or the screw-in spud. The rigid Mega Bore Valve can be screwed into the angle adapters and angle screw-in spuds.
- The next component is either the rigid Mega Bore Valve or the Mega Bore Flexible Valve which has the Retractable Core Housing permanently assembled to the extension. The original Mega Bore Valves have a retractable, but not removable, core housing. The new style mega bore valves use a removable core housing similar to Super Large Bore and Z-Bore.
- There is also a unique cap to the Mega Bore System to protect the side vent air holes and threads of the valve.
- To maximize air flow, an MB-8 inflator is used to retract the core housing during inflation and deflation. For routine pressure checks you can still use any Large Bore pressure gauge or air chuck. The new style mega bore valve utilizes the IN-95 for inflation and deflation.
- Like the Super Large Bore and the Z-Bore Valve Systems, the Mega Bore Flexible Extensions can be field assembled. Mega Bore flows 550 CFM compared to 240 CFM on the Super Large Bore System.

### TECH TIP



SCAN AND  
VIEW VIDEO  
FOR FIELD  
ASSEMBLY

## 1 RIM SPUDS

### MB-20 CLAMP-IN SPUD

Fits a 15/16" diameter valve hole. Tire must be dismounted to change spud. Attach any Mega Bore angle connector to the MB-20 spud.



### MB-26 SCREW-IN SPUD

Fits a 3/4" NPT threaded valve hole, screw-in spud. Attach any Mega Bore angle connector to the MB-26 spud. Spud can be changed without demounting tire.



### MB-12-85 & MB-12-75 SCREW-IN ANGLE SPUD

The screw-in spud is used on a 3/4" tapped rim hole. Attaches to a MB-14 rigid or a FMB flexible Mega Bore valve. The spud can be changed without demounting the tire.



## 2 ANGLE CONNECTORS

### MB-19-85 & MB-19-75 ANGLE CONNECTORS

An angle connector screws onto the MB-20 spud. The other end of the connector accommodates a MB-14 rigid valve or a FMB flexible Mega Bore valve.



### MB-29-85 ANGLE CONNECTORS

An angle connector screws onto the MB-20 spud. The other end of the connector accommodates a MB-27 rigid valve or Caterpillar O-ring face seal hydraulic hose.



## 3 VALVES

MB-14



### MB-14 RIGID MEGA BORE VALVE

Rigid Mega Bore valve can be screwed into any Mega Bore angle connector or screw-in spud.

MB-27



### MB-27 FACE SEAL MEGA BORE VALVE

Rigid Mega Bore valve can be screwed onto MB-29 angle connector or Caterpillar O-ring face seal hydraulic fittings.

FMB-L



### FMB LENGTH MEGA BORE FLEXIBLE VALVE

Screws into the Mega Bore angle connectors or screw-in angle spud. Can be made in any length (minimum 8"). The specially designed fittings and thermoplastic hose will not crush or fatigue during service. Large Bore threads on the core housing allow use of Large Bore pressure gauges.

MBV-L



### MBV-LENGTH

Screws into the Mega Bore angle connectors or screw-in angle spud. Made to length in the field using the MBAT assembly tool. MB-14 screws into the end to complete the valve.

## 4 CAPS

MB-25



HEX

### MB-25 HEX CAP

Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal. Has modified Hex that can be installed or removed using the TL-700.

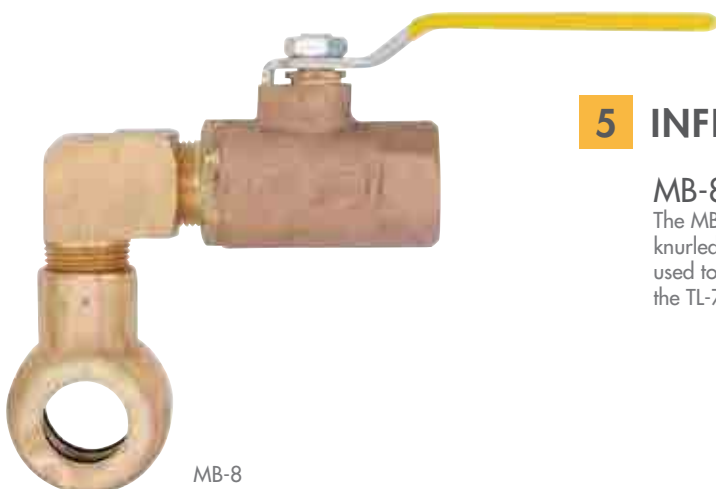
MB-13



### MB-13 VALVE CAP

Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal.

## 5 INFLATOR



MB-8

### MB-8 INFLATOR

The MB-8 Mega Bore inflator attaches to the valve body by turning the knurled nut on the inflator in a clockwise direction. The 3/4" ball valve is used to open and close the air flow after the core housing is retracted with the TL-700.

### HT-R-761 HIGH TEMP SLEEVE

Used to protect R-761 tubing.



HT-R-761

### TL-700 TOOL

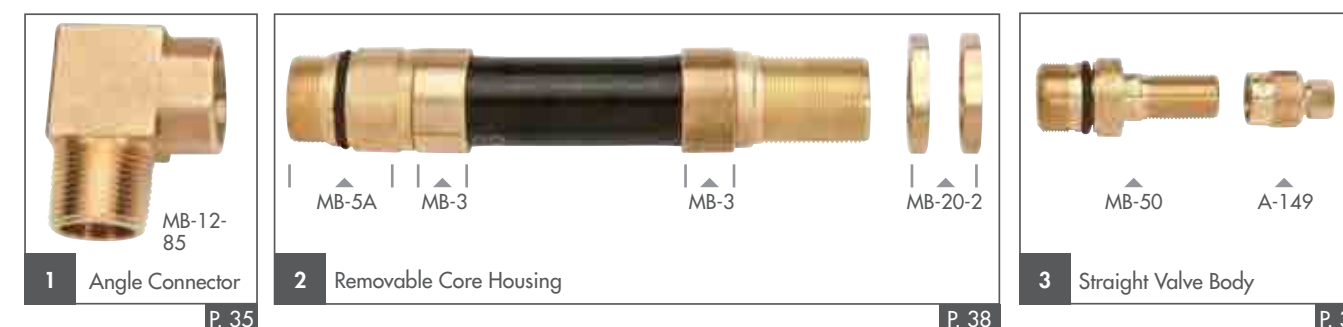
The TL-700 fits the Mega Bore core housing to retract the housing for inflation and deflation. The TL-700 should be used only in conjunction with the MB-8 Mega Bore inflator. The MB-8 inflator should be engaged on the core housing before using the TL-700.



TL-700

### MBRC-8 MEGA BORE VALVE REMOVABLE CORE HOUSING 8"

Mega Bore flexible valve with removable core housing. Can be made in any length (minimum 8"). Can be assembled in field.



### MB-56 RIGID MEGA BORE VALVE

Rigid Mega Bore valve can be screwed into any Mega Bore angle connector or screw-in spud. With removable core housing.



MB-56



COMPONENTS FOR MEGA BORE FLEXIBLE VALVE FIELD ASSEMBLY



For proper field assembly, cut R-761 hose 2 3/4" shorter than required length and complete with angle connectors and core housing.

6 INFLATOR

IN-95 INFLATOR ADAPTER

Haltec Model IN-95 Inflator Adapter for Air or Liquid Filling of Large Earthmover Tires when Equipped with Super Large Bore, Z-Bore, and Mega Bore Valves.

The IN-95 will insert or extract an R-372, R-520, Z10, or an MB-50 core housing and positively hold it up in the adapter body out of the air or liquid flow when filling or evacuating a tire. The inflator adapter can be attached to any liquid filling tire pump since it has 3/4" pipe thread. With the adapter attached to the valve, the pressure in the tire can be checked without disconnecting it from the valve, with a large bore gauge, through the end of the adapter stem. All IN-95 parts are brass except the collet, which is stainless steel and the hand knob, which is aluminum.

B070121007 FOR IN-95

Muffles sound which protects the hearing of operator while deflating the tire. 3/4" fitting attaches to the IN-95 inflator. Decibel rating between 17-25 DBA.

IN-95 PARTS LIST:

- SLB-55 Super Large Bore ejector union
- Z55 Z- bore ejector union
- MB-55 mega bore ejector union
- MB-55-3 gasket ejector unions
- MB-60-1 Adapter body
- E-3100-1 1 piece Stem and collet
- G-204 Snap ring
- G-206 Gasket for stem nut
- A-147 Dome cap



B070121007

NEW

1 piece stainless steel construction



STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS

| HALTEC NO. | TIRE TYPE        | RIM SIZE | ROD DIAMETER |
|------------|------------------|----------|--------------|
| OR-21-T    | Highway          | 21"      | .26          |
| OR-25-T    | Earthmover       | 25"      |              |
| OR-20-JM   | Highway (JM Rim) | 20"      |              |
| OR-22-JM   | Highway (JM Rim) | 22"      |              |
| OR-24-JM   | Highway (JM Rim) | 24"      | .26          |
| OR-215-H   | Grader           | 15"      |              |
| OR-217-L   | Grader           | 17"      |              |
| OR-220-TG  | Grader           | 20"      |              |
| OR-224-TG  | Grader           | 24"      | .26          |
| OR-225-T   | Grader           | 25"      |              |
| OR-232-TG  | Grader           | 32"      |              |
| OR-321-T   | Earthmover       | 21"      | .28          |
| OR-325-T   | Earthmover       | 25"      |              |
| OR-329-T   | Earthmover       | 29"      |              |
| OR-332-TG  | Grader           | 32"      |              |
| OR-333-T   | Earthmover       | 33"      | .385         |
| OR-335-T   | Earthmover       | 35"      |              |
| OR-339-T   | Earthmover       | 39"      |              |
| OR-343-T   | Earthmover       | 43"      |              |
| OR-345-T   | Earthmover       | 45"      | .50          |
| OR-349-T   | Earthmover       | 49"      |              |
| OR-449-T   | Earthmover       | 49"      |              |
| OR-451-T   | Earthmover       | 51"      |              |
| OR-451-OVM | Earthmover       | 51"      | .50          |
| OR-457-T   | Earthmover       | 57"      |              |
| OR-457-OVM | Earthmover       | 57"      |              |
| OR-463-T   | Earthmover       | 63"      |              |
| OR-463-OVM | Earthmover       | 63"      | .50          |
| OR-469-T   | Earthmover       | 69"      |              |

L-RING SEALS FOR EARTHMOVER RIMS

| HALTEC NO. | DESCRIPTION     |
|------------|-----------------|
| LR-10      | 10" L-ring seal |
| LR-12      | 12" L-ring seal |
| LR-15      | 15" L-ring seal |
| LR-16      | 16" L-ring seal |
| LR-20      | 20" L-ring seal |
| LR-24      | 24" L-ring seal |
| LR-25      | 25" L-ring seal |
| LR-29      | 29" L-ring seal |
| LR-33      | 33" L-ring seal |
| LR-35      | 35" L-ring seal |
| LR-39      | 39" L-ring seal |
| LR-45      | 45" L-ring seal |
| LR-49      | 49" L-ring seal |
| LR-51      | 51" L-ring seal |
| LR-57      | 57" L-ring seal |
| LR-63      | 63" L-ring seal |
| LR-69      | 69" L-ring seal |

TECH TIP

HALTEC O-RINGS PASS ALL OE SPECS

STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS

- Packaged 2 per poly bag
- 24 O-rings per case
- Sold in case lots
- Consistent product quality
- Manufactured of high-quality material
- O-rings individually marked in an easy-to-read color
- Manufactured to major OEM specifications
- Spliced O-ring with sonic weld technology
- Extruded product allows diameter variation to meet the wide variety of rim O-ring grooves, both domestic and foreign
- Two compounds for all service conditions: Standard -40°F to 180°F Arctic -65°F to 180°F
- Customized product available for special applications. For Arctic O-rings add the letter "A" to the end of the part number.



High temperature compound O-rings available upon request



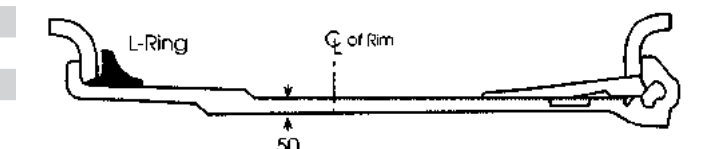
L-RING SEALS FOR EARTHMOVER RIMS  
PROPER USE OF HALTEC L-RING SEALS

The primary purpose of the L-ring seal is to create an air seal where the tire bead and rim bead seat are not completely compatible. Some of the examples where the L-seal will prove useful:

- Where you have an irregular butt weld in the knurled bead seat area.
- Where, during initial inflation, the bead seating is very difficult.
- When an air passage between the bead and the rim is identified.
- Where overloads and severe operating conditions cause the rim deformation (deflection) which can result in air leakage.

IMPORTANT INFORMATION

- L-Ring Seals are not a cure for damaged beads nor damaged wheels and rims. Caution should be used during all fitments. Do not install where broken bead is suspected.
- Always follow the respective manufacturers' recommendation for proper bead-lubrication and initial air pressure to properly seat beads.
- If you have any questions regarding the use of the L-Ring Seals, contact Haltec prior to attempting any installation.





TRUCK AND BUS VALVES

Straight clamp-in valves used on both demountable and non-demountable rims. For .625" diameter valve hole. **Bent valve stems also available.** Haltec custom bends the TV-570 series valves.

TRUCK AND BUS VALVES

| HALTEC NO. | TR NUMBER | EFFECTIVE LENGTH |
|------------|-----------|------------------|
| TV-500     | 500       | 2'               |
| TV-501     | 501       | 1 1/2"           |
| TV-570     | 570       | 3 1/8"           |
| TV-571     | 571       | 3 3/8"           |
| TV-572     | 572       | 3 3/4"           |
| TV-573     | 573       | 4 3/8"           |
| TV-574     | 574       | 5"               |
| TV-575     | 575       | 1 1/8"           |

CUSTOM BENT VALVES AVAILABLE UPON REQUEST

Haltec can custom bend and fabricate any tire valve hardware need at its manufacturing facility in Salem, Ohio. This allows us to provide prototype samples which ultimately lead to innovative solutions for our customers.



TV-572-HT



TV-573-HT

TV-572-HT WITH HIGH TEMP GROMMET

Equipped with the G-170S high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

TV-573-HT WITH HIGH TEMP GROMMET

Equipped with the G-170S high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

SNAP-IN TIRE VALVE & CHROME SLEEVE TIRE VALVES

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH | VALVE HOLE | NOTES         |
|------------|--------|------------------|------------|---------------|
| TV-412     | 412    | 7/8"             | .453       | Rubber Sleeve |
| TV-413     | 413    | 1 1/4"           | .453       | Rubber sleeve |
| TV-414     | 414    | 1 1/2"           | .453       | Rubber sleeve |
| TV-415     | 415    | 1 1/4"           | .625       | Rubber sleeve |
| TV-418     | 418    | 2"               | .453       | Rubber sleeve |
| TV-423     | 423    | 2 1/2"           | .453       | Rubber sleeve |
| TV-425     | 425    | 2"               | .625       | Rubber sleeve |
| TV-413-CH  |        | 1 1/4"           | .453       | Chrome sleeve |
| TV-418-CH  |        | 2"               | .453       | Chrome sleeve |

Maximum cold inflation pressure 65 PSI.

51025 QUICK VALVE CHANGE TOOL

- Change a tire valve in 10 seconds
- Ideal for leaking valve stems
- For use only with .453 valve stems

NEW

51025

TECH TIP

ALL GROMMETS ON 570 SERIES VALVES ARE MADE IN THE USA

EINKY VALVES

A high-performance "No Show" type chrome-plated valve that installs from the outside. A rubber washer and nut are on the inside.

EINKY VALVES

| HALTEC NO. | BEND ANGLE | EFFECTIVE LENGTH | VALVE HOLE |
|------------|------------|------------------|------------|
| TV-6010    | STR.       | 3/4"             | .453       |
| TV-6020    | 45°        | 1 1/16"          | .453       |
| TV-6030    | STR.       | 1 1/4"           | .453       |
| TV-6040    | STR.       | 1 3/4"           | .453       |
| TV-6050    | 90°        | 1 3/16"          | .453       |

TECH TIP

ALL HALTEC SNAP-IN VALVES PASS ALL SAE REQUIREMENTS



TV-6040

TV-6020

CLAMP-IN VALVE

Used on car and light truck applications. Maximum inflation pressure 130 PSI.

CLAMP-IN VALVE

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH | VALVE HOLE              |
|------------|--------|------------------|-------------------------|
| TV-416     | 416    | 1 1/4"           | .453 or .625            |
| TV-416L    | -      | 2"               | both grommets furnished |



TV-416

TV-416L

TV-575HP/DS-1

- Ford .453 "Cut-Away" and Cargo Van Series with Single Rear Wheels
- Accuride Steel 16" x 7" Wheels
- Front & Rear Wheels
- Chrome Finish
- .453

N-1600

- Ford "F" Series Trucks with Dual Wheels
- Alcoa Aluminum 16"
- Front & Rear Wheels
- Chrome Finish
- .453



TV-575HP/DS-1

N-1600

TV-416LF

- Ford "Cut-Away" Series with Dual Wheels
- Accuride Steel 16' x 16" Wheels
- Front & Rear Wheels
- Nickle Finish
- .453

TV-416/DS-1

- Ford "F" Series Trucks with Dual Wheels
- Accuride Steel 19.5"
- Front & Rear Wheels
- Nickle Finish
- .453

TV-416MC

- Ford "F" Series Trucks with Dual Wheels
- Accuride Steel 16" x 16"
- Front & Rear Wheels
- Nickle Finish
- .453



TV-416LF

TV-416/DS-1

TV-416MC



## TV-430 TUBELESS MOTORCYCLE VALVE

Has O-ring seal, fits .327" valve holes. Effective length is 1 3/16".

## TV-575-HP

Low profile with 1" E.L. Has grommets to fit either .453" or .625" diameter valve hole.

## TV-6008C

Tractor Front Wheel Valve Low profile valve offers minimum protrusion above the rim. 9/16" effective length with chrome finish. Fits .453" or .625" valve hole.

## TV-6008

Same as above except brass finish.

## H-523MS

## ALLOY VALVE

A light alloy valve used on racing and light alloy wheels. Fits .453" valve hole and has O-ring seal.



## HIGH-PRESSURE TUBELESS TIRE VALVE

TV-600-HP and TV-602-HP used to 80 PSI cold inflation pressure, and fits .453" diameter valve hole, maximum rim thickness .205" at valve hole. TV-801-HP and TV-802-HP used to 100 PSI cold inflation pressure, and fits .625" diameter valve hole, maximum thickness .205" at valve hole. Designed for use with transporting mobile homes.

## HIGH-PRESSURE TUBELESS TIRE VALVE

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH | VALVE HOLE |
|------------|--------|------------------|------------|
| TV-600-HP  | 600HP  | 1 1/4"           | .453"      |
| TV-602-HP  | 602HP  | 2"               | .453"      |
| TV-801-HP  | 801HP  | 1 1/4"           | .625"      |
| TV-802-HP  | 802HP  | 2"               | .625"      |



## N-1147 RADIAL COMMANDER

Valve N-1147 for 15" Disc Wheels 23° bend clamp-down valve for .625" valve hole. Bend allows clearance of brake drum for tire service.

## CUSTOM BENT VALVES AVAILABLE UPON REQUEST

Haltec can custom bend and fabricate any tire valve hardware need at its manufacturing facility in Salem, Ohio. This allows us to provide prototype samples which ultimately lead to innovative solutions for our customers.

## SCREW-ON REPAIR VALVES

| HALTEC NO. | TR NO. | EFFECTIVE LENGTH |
|------------|--------|------------------|
| RV-1177A   | 1177A  | 3 1/4"           |
| RV-1077A   | 1077A  | 4 1/8"           |
| RV-1175A   | 1175A  | 4 1/2"           |
| RV-1078A   | 1078A  | 5"               |
| RV-1179A   | 1179A  | 5 5/8"           |

For trucks and bus, tube-type tires. A quick replacement for broken tube valves with body thread. Cut off valve and screw on repair valve without cutting out old valve base (with bridge washer). Can be used with SP-1000 tube spud.



## METRIC RIM HOLE VALVE (9.7MM VALVE HOLE)

Some imported trucks will have steel wheels that incorporate the 9.7mm valve hole (.390"). These are the most popular valves for this application.

## METRIC RIM HOLE VALVE (9.7MM VALVE HOLE)

| HALTEC NO. | ETRTO    | BEND | A HEIGHT | B HEIGHT |
|------------|----------|------|----------|----------|
| 41 MS-00   | V3-20-1  | STR  | 1 3/16"  | -        |
| 60 MS-27   | No ETRTO | 27°  | 1 3/16"  | 1 3/16"  |
| 70 MS-27   | V3-20-5  | 27°  | 1 3/16"  | 1 9/16"  |
| 80 MS-27   | V3-20-7  | 27°  | 1 3/16"  | 2"       |
| 90 MS-27   | V3-20-4  | 27°  | 1 3/16"  | 2 3/8"   |
| 115 MS-27  | V3-20-6  | 27°  | 1 3/16"  | 3 3/8"   |

Other sizes available upon request

## TRUCK VALVES FOR ALUMINUM TRUCK WHEELS

Tubeless valves used in drop-center aluminum disc wheels with .625 valve hole. Rubber Grommet available (part # G-172).

## TRUCK VALVES FOR ALUMINUM TRUCK WHEELS

| HALTEC NO. | TR NO. | BEND ANGLE | E.L.   |
|------------|--------|------------|--------|
| TV-509     | TR-509 | 90°        | 4 3/4" |
| TV-510     | TR-510 | 90°        | 5 1/2" |
| TV-511     | TR-511 | 90°        | 4 1/4" |

## 70 MS-7

- Aluminum wheel valve with grommet seal.
- Fits 9.7 mm

## TV-540 SERIES, O-RING SEAL VALVES FOR ALUMINUM TRUCK WHEELS (9.7MM VALVE HOLE)

| HALTEC NO. | VALVE TR NO. | A HEIGHT | BEND ANGLE | B LENGTH | HEX NUT |
|------------|--------------|----------|------------|----------|---------|
| TV-542     | 542          | 1.25     | -          | -        | HN-22   |
| TV-543     | 543          | 2.4      | -          | -        | HN-22   |
| H-543C     | 543C         | 0.93     | 45°        | 1.43     | HN-22   |
| TV-543D    | 543D         | 0.98     | 60°        | 1.38     | HN-22   |
| TV-543E    | 543E         | 0.98     | 75°        | 1.38     | HN-22   |
| TV-544     | 544          | 2.9      | -          | -        | HN-22   |
| TV-544C    | 544C         | 0.98     | 45°        | 1.94     | HN-22   |
| TV-544D    | 544D         | 0.98     | 60°        | 1.94     | HN-22   |
| TV-545     | 545          | 3.5      | -          | -        | HN-22   |
| TV-545D    | 545D         | 0.98     | 60°        | 2.6      | HN-22   |
| TV-545E    | 545E         | 0.98     | 75°        | 2.6      | HN-22   |
| TV-546     | 546          | 4.25     | -          | -        | HN-22   |
| TV-546D    | 546D         | 0.98     | 60°        | 3.35     | HN-22   |
| TV-546E    | 546E         | 0.98     | 75°        | 3.35     | HN-22   |
| TV-546G    | 546G         | 0.98     | 105°       | 3.35     | HN-22   |
| TV-546-36  | 546-36       | 0.98     | 36°        | 3.35     | HN-22   |
| TV-547D    | 547D         | 0.98     | 60°        | 3.78     | HN-22   |

## TECH TIP

KEEP ALL O-RING SURFACES AS CLEAN AS POSSIBLE WHILE ASSEMBLING VALVES



TV-509



70 MS-7



TV-542 TV-544 TV-546D TV-543E

## TECH TIP

THE SLOT ON THE BOTTOM OF THE 550 SERIES ALLOWS FOR EASY INSTALLATION



## TV-550 SERIES

Features:

- Longer sealing life
- Greater corrosion resistance
- Larger sealing surface
- Slot and external hex for easier installation
- Viton™ replacement grommet - G-550
- Grommet has better temperature range and tear resistance
- Grommet must be used on TV-550 Series only, not for use on 540 valve series

## GROMMET SEAL VALVES FOR ALCOA TRUCK WHEELS (9.7MM VALVE HOLE)

| HALTEC NO. | VALVE TR NO. | A HEIGHT | BEND ANGLE | B LENGTH | HEX NUT |
|------------|--------------|----------|------------|----------|---------|
| TV-552     | 552          | 1.26     | -          | -        | HN-22   |
| TV-553     | 553          | 2.4      | -          | -        | HN-22   |
| TV-553C    | 553C         | .93      | 45°        | 1.43     | HN-22   |
| TV-553D    | 553D         | .98      | 60°        | 1.38     | HN-22   |
| TV-553E    | 553E         | .98      | 75°        | 1.38     | HN-22   |
| TV-554D    | 554D         | .98      | 60°        | 1.94     | HN-22   |
| TV-555D    | 555D         | .98      | 60°        | 2.6      | HN-22   |
| TV-555E    | 555E         | .98      | 75°        | 2.6      | HN-22   |

AIR-FLEXX VALVE EXTENSIONS **NEW**

Conventional extensions hold the full air pressure in the extension chamber. Damage to the extension through wear or accident may mean the loss of a tire

Air-Flexx valve extensions are flexible but rigid enough to be used without a rim holder, clamp or stabilizer

Air-Flexx valve extensions are flexible but rigid enough to be used without a rim holder, clamp or stabilizer saving time and money. The extension withstands severe cold and heat without becoming brittle. The plastic casing will not corrode. The pin in the extension opens the tire valve only when checking pressure or inflating. If the extension is cut in half or broken no pressure is lost from the tire.

| ORDER  | APPLICATION   | LENGTH           |
|--------|---|------------------|
| HE-340 | Steer & Single Wheels with Hubcaps*                     | 2 15/16" (75mm)  |
| HE-341 | Steer & Single Wheels with Hubcaps*                     | 3 5/16" (85mm)   |
| HE-342 | Inner Dual Tires or Steer & Single Wheels with Hubcaps* | 4 1/8" (105mm)   |
| HE-343 | Inner Dual Tires*                                       | 5 11/16" (145mm) |
| HE-344 | Inner Dual Tires*                                       | 7 1/4" (185mm)   |
| HE-345 | Inner Dual Tires*                                       | 8 7/16" (215mm)  |
| HE-346 | Inner Dual Tires or Spare Wheels**                      | 12 3/8" (315mm)  |
| HE-347 | Inner Dual Tires or Spare Wheels**                      | 16 5/16" (412mm) |
| HE-348 | Inner Dual Tires or Spare Wheels**                      | 39 3/8" (1000mm) |

\* No need for clamp, holder or stabilizer

\*\* For use on spare wheels with angled extension of 45°, 90°, 135° or 180°



Use with a DS-1 flow-through valve cap to save time

## TRUCK VALVE EXTENSIONS

| HALTEC NO.     | DESCRIPTION     | COLLAR TYPE | EFFECTIVE LENGTH |
|----------------|-----------------|-------------|------------------|
| HE-369         | Truck Extension | Short 3/8"  | 1 3/8"           |
| HE-370         | Truck Extension | Short 3/8"  | 2"               |
| HE-371         | Truck Extension | Short 3/8"  | 2 15/16"         |
| HE-372         | Truck Extension | Short 3/8"  | 3 15/16"         |
| HE-373         | Truck Extension | Short 3/8"  | 5 1/8"           |
| HE-389         | Truck Extension | Long 1"     | 1 1/16"          |
| HE-390         | Truck Extension | Long 1"     | 2"               |
| HE-390A        | Truck Extension | Long collar | 2"               |
| HE-391         | Truck Extension | Long 1"     | 2 15/16"         |
| HE-391A        | Truck Extension | Long collar | 2 15/16"         |
| HE-392         | Truck Extension | Long 1"     | 5 1/8"           |
| HE-392A        | Truck Extension | Long collar | 5 1/8"           |
| HE-393         | Truck Extension | Long 1"     | 6"               |
| HE-393A        | Truck Extension | Long collar | 6"               |
| HE-394         | Truck Extension | Long 1"     | 8.0"             |
| HE-395         | Truck Extension | Long 1"     | 10.0"            |
| HE-396         | Truck Extension | Long 1"     | 12.0"            |
| HE-397         | Truck Extension | Long 1"     | 14.0"            |
| HE-4430        | Truck Extension | Long 1"     | 4"               |
| Standard Style | -               | -           | -                |
| HE-381         | Truck Extension | Long 1"     | 3 1/16"          |
| HE-382         | Truck Extension | Long 1"     | 5 1/16"          |
| HE-383         | Truck Extension | Long 1"     | 6 1/16"          |

## ALCOA STABILIZER

| HALTEC NO. | FITS ALCOA WHEEL SIZE | DIAMETER HAND HOLE | HOLE POSITION |
|------------|-----------------------|--------------------|---------------|
| FCSTBL     | Freightliner, 19.5    | Custom             | Center        |
| H-2125     | 19.5"                 | 1.50"              | Center        |
| H-2126     | 19.5"                 | 1.50"              | Off-Center    |
| H-2127     | 22.5 x 9.0            | 1.50"              | Center        |
| H-2225     | 22.5"                 | 2.00"              | Center        |
| H-2245     | 24.5"                 | 2.19"              | Off-Center    |
| H-2227     | 22.5"                 | 2.50"              | Center        |
| H-2228     | Peterbilt             | Oval               | Center        |
| H-2247     | 24.5"                 | 2.375"             | Off-Center    |
| H-27245    | 24.5                  | Hand Hole 2.69"    | Off-Center    |
| H-8864     | 22.5" & 24.5          | 2.50"              | Off-Center    |
| H-8964     | Prevost               | 2.00"              | Off-Center    |
| H-2248     | Freightliner          | 1.3125"            | Center        |
| MNCSTBL    | Monaco Coach          | Custom             | Off-Center    |
| ULTRASTB   | Ultra                 | Custom             | Off-Center    |

## STABILIZER &amp; EXTENSION KIT

| HALTEC NO. | STABILIZER (2) | EXTENSIONS (2) |
|------------|----------------|----------------|
| 125392     | H-2125         | HE-392         |
| 126392     | H-2126         | HE-392         |
| 127392     | H-2127         | HE-392         |
| 127393     | H-2127         | HE-393         |
| 225392     | H-2225         | HE-392         |
| 225393     | H-2225         | HE-393         |
| 227392     | H-2227         | HE-392         |
| 227393     | H-2227         | HE-393         |
| 245392     | H-2245         | HE-392         |
| 247392     | H-2247         | HE-392         |
| 257392     | H-2257         | HE-392         |

TRUCK VALVE EXTENSIONS  
HE-370 SERIES LIGHTWEIGHT EXTENSIONS

Series has the short collar for use on tube-type or tubeless valves. Available in 2"-3"-4" and 5" effective lengths. Has a double seal feature to assure a positive seal. .305-32 cap thread



## HE-380 SERIES STRAIGHT METAL EXTENSIONS

These screw on the standard valve stem (.305-32 cap thread) and make the valve mouth accessible for service. .305-32 cap thread



## HE-390 SERIES LIGHTWEIGHT EXTENSIONS

Lightweight extensions are the same as above except with a long collar.



## HE-390A SERIES LIGHTWEIGHT ALUMINUM EXTENSIONS

Extremely light weight aluminum extensions.

## ALCOA STABILIZER &amp; EXTENSION KIT

Proper air pressure is the most important factor in lengthening tire life. On dual wheel assemblies, the inner dual is many times overlooked or improperly serviced. The Alcoa Extension and Stabilizer Kit allows access to the inner dual tire valve and properly positions and supports the extension for servicing. The stabilizer reduces the road vibration on the extension and practically eliminates valve stem breakage caused by vibration.





## TECH TIP

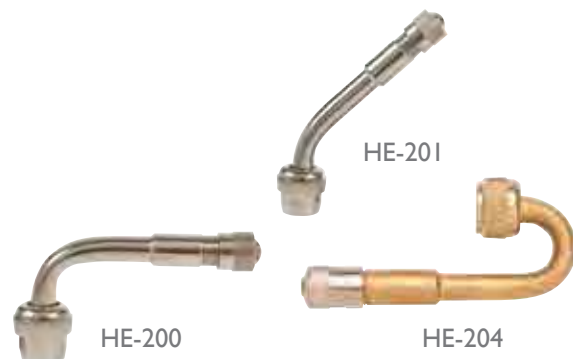
HALTEC'S DS-1 FLOW-THROUGH CAPS WILL INCREASE THE SPEED WITH WHICH YOUR FLEET DRIVERS AND MAINTENANCE TECHNICIANS COMPLETE THEIR TIRE MAINTENANCE. ALLOWS INFLATION AND DEFLATION AND PRESSURE CHECKS THROUGH CAP.



DS-1



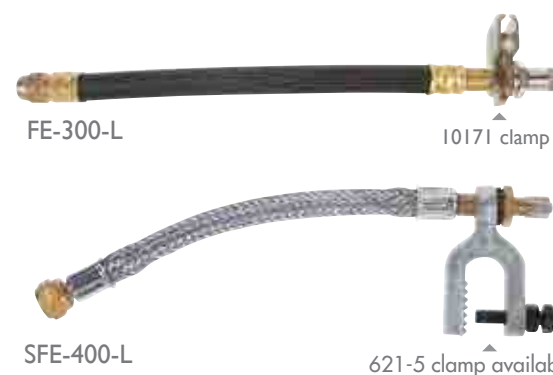
DS-1G



HE-201

HE-200

HE-204



FE-300-L

10171 clamp

SFE-400-L

621-5 clamp available

## DOUBLE SEAL CAP DS-1

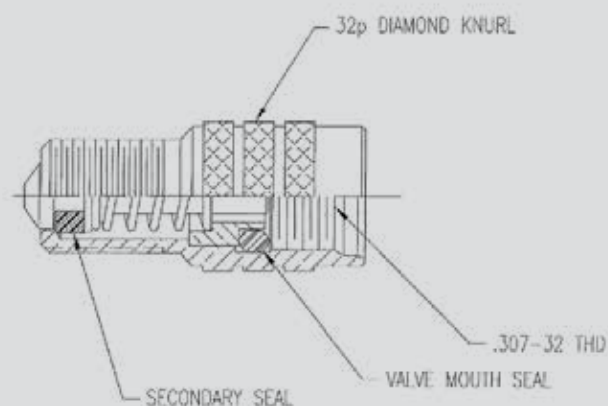
The DS-1 flow-through valve cap is designed for high pressure truck tire service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension. It also performs like a check valve- the seal becomes tighter in the event of a core failure. The DS-1 reduces pressure check time by 65% offering an efficient money and labor savings alternative to the common valve cap. The heat resistant grommets provide additional protection for the extended high temperature running. The DS-1 consists of a tough, all metal housing, precision fit brass components and durable self-sealing O-ring.

### Benefits:

- Inflate directly through sealing cap
- Reduces time and labor
- No lost valve caps

### Technical Specifications:

- Overall length 7/8"
- Temperature rated seal: -40°F to 250°F



## BENT EXTENSIONS FOR STANDARD BORE VALVES

| HALTEC NO. | BEND | EFFECTIVE LENGTH | VERTICAL LENGTH |
|------------|------|------------------|-----------------|
| HE-200     | 90°  | 1 3/8"           | 3/4"            |
| HE-201     | 45°  | 1 3/8"           | 3/4"            |
| HE-202     | 135° | 1 3/8"           | 15/16"          |
| HE-203     | 24°  | 5 7/16"          | N/A             |
| HE-204     | 180° | 1 7/16"          | 1/2"            |

## DUAL WHEEL FLEXIBLE VALVE EXTENSIONS FE-300-LENGTH

This extension provides easy access to the inner dual tire found on campers, recreational vehicles, and light trucks. Fits standard valve cap threads. Comes with clamp to secure extension to wheel cut-out. 2 extensions per pack. Standard effective lengths are 7" and 9". Effective to 200 PSI Also available, clamp part number FE-300CL, which clamps directly to the lug nut. Other lengths available upon request.

## SFE-400-LENGTH

Similar to the FE-300 series except has steel braid over rubber hose.

## HIGH-PRESSURE SHOCK STRUT VALVES



Constructed of stainless steel bodies for use in high-pressure shock absorber units, hydraulic pressure accumulators, surge cylinders, and high-pressure pneumatic systems. Valves have 1/2" - 20 U.N.F. - 3A threads for connection to container.

### H-7607 SHOCK STRUT VALVE

For operating pressure to 2,000 PSI. Conforms to AN-812-1.

### H-4361 SHOCK STRUT VALVE

For operating pressure to 3,000 PSI. Conforms to AN-6287-1.

### H-798 SHOCK STRUT VALVE

For use on shock struts where operating pressure is rated for 5,000 PSI. Conforms to MS-28889-2



H-7607

H-4361

H-798

### H-6116B

Fits .305-32 thread size with 1/8" NPT female connection with 70° bend. Equipped with hard fiber sealing washer. Used up to 5000 PSI working pressure.

### H-6116

Same as H-6116B except has straight extension.



H-6116B



H-6116

### 5007

Fits .305-32 thread size with 7/16-20 thread for 1/4" flare tube fitting. Meets MS 33656E4. Maximum pressure rating is 15,000 PSI. Recommended torque 75 in/lb for steel valves. Has copper sealing washer.



5007

### H-556

## HIGH-PRESSURE INFLATING CONNECTION

Fits .305-32 thread size with 1/8" NPT male connection. Has core depressor pin, and copper sealing washer. Maximum working pressure 3000 PSI.



H-556

### H-2755

## HIGH-PRESSURE INFLATING CONNECTION

Fits .305-32 thread size with 3/8-24 thread for 3/16" flare tube fitting, meets MS33655E3. Has core depressor pin and copper sealing washer. Maximum working pressure 3000 PSI.

### 2755L

## LARGE BORE HIGH-PRESSURE INFLATING CONNECTION.

Fits .482-26 thread size with 3/8-24 thread for 3/16" flare fitting. Has core depressor pin and copper sealing washer. Maximum working pressure 3000 PSI.



2755-L

H-2755



## AIR LIQUID VALVES FOR TRACTOR AND ROAD GRADER SERVICE

| HALTEC NO. | TR NO.    | A        | B     | BEND ANGLE | VALVE HOLE |
|------------|-----------|----------|-------|------------|------------|
| TV-618A    | TR-618A   | 1 7/8"   | -     | -          | 0.625"     |
| TV-618B    | TR-618B   | 1 1/2"   | -     | -          | 0.625"     |
| TV-618RB   | -         | 1 1/2"   | -     | -          | 0.625"     |
| TV-618A-SS | TR-618ASS | 1 7/8"   | -     | -          | 0.625"     |
| TV-621A    | TR-621A   | 1 1/2"   | 3     | 65°        | 0.625"     |
| TV-622A    | TR-622A   | 1 3/4"   | 4 1/2 | 90°        | 0.625"     |
| TV-623A    | TR-623A   | 1 1/2"   | 2 1/4 | 65°        | 0.625"     |
| N-1000     | TR-619A   | 1 7/8"   | -     | -          | 0.812"     |
| H-50       | TR-F910B  | 1 13/16" | -     | -          | 0.812"     |

## TV-5905 AIR/ LIQUID EXTENSION

Used with tractor or grader valve stems.  
90 degree angle for more accessible valve.

## TRACTOR AND GRADER TUBE

| HALTEC NO. | TR NO.  | BASE DIAMETER | CORE HOUSING | VERTICAL HEIGHT | VALVE HOLE |
|------------|---------|---------------|--------------|-----------------|------------|
| TV-218R    | TR-218A | 2 1/2"        | TV-CH-3      | 1 7/8"          | 0.625"     |
| TV-220R    | TR-220A | 2 1/2"        | TV-CH-3      | 2 15/16"        | 0.625"     |
| TV-916R    | TR-916A | 3 1/4"        | R-372        | 1 7/8"          | 0.812"     |

Valve assemblies with removable core housing for liquid fill. Has Vulc-on back to allow field repair.

## B9A BUSHING ASSEMBLY

Fits over TR-218A and TR-220A valves to allow use of valve in the 13/16" valve hole. Consists of B9-1 bushing and B9-2 nut.

## LN-10 PLASTIC RIM NUT

Rim nut for tractor tube valves TR-218A and TR-220A. For brass rim nut, order **LN-10B**. See page 57 for TL-LN-10 installation tool.

## B-6 BUSHING

Fits over TR-13 tube valve when used in 5/8" valve hole.

## RIM HOLE PLUGS

### P-15 FOR TUBE-TYPE WHEELS

Used to plug 5/8" rim hole and avoid tube "pouching."

### T-30

Used to seal 13/16" rim hole when relocating valve.

### N-1012S

Used to seal 5/8" rim hole when relocating valve.

### ALSP

Air-liquid spud plug. Used to replace TV-CH-3 core housing.

## CORE HOUSING

### TV-CH-1

Fits old-style TR-218 and TR-220 valves.

### TV-CH-3

Fits all fast flow air-liquid valves except Super Large Bore.

### R-372

Fits SP816 tube spud and T-81 & C-100 spud.

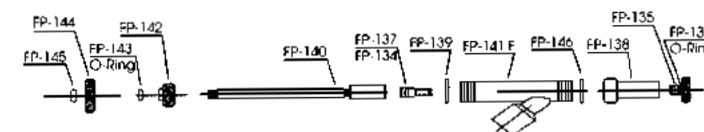


## 310 VALVE ADAPTER GUN

Has a 1/2" female pipe thread and will attach to any calcium tire filling pump, it will extract the valve core from a Standard Bore valve or the core housing from a tractor valve. It will securely hold the valve core or core housing up in the gun body during tire filling or evacuation of liquid from a tire. Due to the design, it will permit faster evacuation of liquid from a tire than with other adapter guns. Replaces Deming #1010.

### PARTS LIST:

|  |                                      |
|--|--------------------------------------|
| FP-134 Large Bore Core Remover                           | FP-139 Gasket                        |
| FP-135 Adapter for Standard Valve (Equipped with FP-136) | FP-140 Stem                          |
| FP-136 O-Ring for FP-135 Adapter                         | FP-141F Adapter Body                 |
| FP-137 Standard Valve Core Remover                       | FP-142 Stem Sealing Nut              |
| FP-138 Ejector Union (Equipped with FP-146)              | FP-143 O-Ring for FP-142 (Stem Seal) |
|  | FP-144 Hand Wheel                    |
|  | FP-145 Lock Nut                      |
|  | FP-146 Teflon Gasket                 |



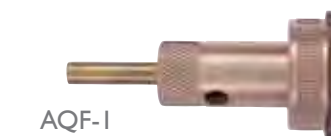
## N-1057

Flexible extension for 310 gun.



## AQF-1 AQUA QUICK FILL HALTEC

Patent No. 5,007,448 Haltec's Aqua Quick Fill is a simple, time-saving tool that allows the user to fill a tractor tire or large off-the-road tire with liquid, and do other tasks while the tire is being filled. No longer does the user have to stand by and vent the excess air pressure. With the AQF-1, air is automatically vented through a side port while the liquid is being injected into the tire. When the tire is filled, the water escapes from the vent hole, indicating that the tire is full.



## FLUID CONNECTORS

Coupler N-1451, 1/2 NPT female thread. Designed specifically for fluid use.

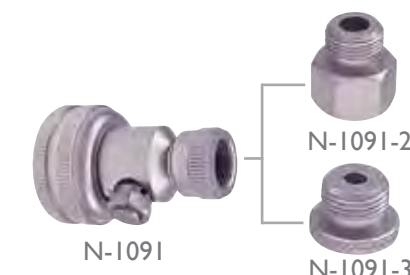
## NIPPLE N-1452

1/2 NPT male thread. For fluid use.

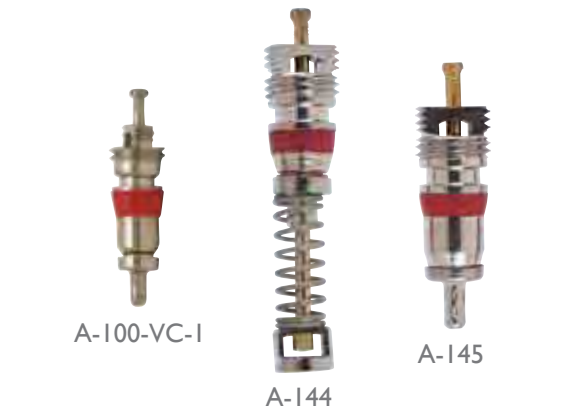


## N-1091 WATER ADAPTER

N-1091 For liquid fill tires.







## VALVE CORES

| HALTEC NO. | TIRE & RIM NO. | DESCRIPTION  |
|------------|----------------|--|
| A-100-VC-1 | C-1            | Standard Bore Heat-Resistant Core for Cars, Trucks and Busses. |
| A-144      | C-2            | Large Bore Core (long). Fits 305-32 Threads                    |
| A-145      | C-2            | Large Bore Core (short). Fits 305-32 Threads                   |

## VALVE CAPS (STANDARD BORE)

| HALTEC NO.  | TIRE & RIM NO. | DESCRIPTION   |
|-------------|----------------|---|
| 57TT        | -              | Short dome cap.   |
| 89TPMS-CAPG | -              | Chrome-Plated Plastic Hex Cap for TPMS                                    |
| A-100-VC-2  | VC-2           | Metal Screwdriver Valve Cap for Removing Valve Cores                      |
| A-100-VC-3  | VC-3           | Metal Dome Valve Cap  |
| A-100-VC-8  | VC-8           | Plastic Dome Valve Cap  |
| A-100-VC-8G | VC-8           | Plastic Green Dome Valve Cap  |
| A-100-VC-12 | -              | Heavy-Duty Dome Cap for Truck Service. Has Heat-Resistant Sealing Washer. |
| DS-1        | -              | Double Seal Valve Cap   |
| DS-1G       | -              | Double Seal Valve Cap (Green)   |
| N-1202      | -              | Chrome-Plated Hex Cap   |

## VALVE CAPS (LARGE BORE)

| HALTEC NO. | TIRE & RIM NO. | DESCRIPTION  |
|------------|----------------|--|
| A-148      | VC-6           | Screwdriver Valve Cap. Fits .482-26 Valve Threads.                                 |
| A-149      | VC-7           | Hex Valve Cap for Easy Tightening and Removing with Wrench. Fits .482-26 Valve Cap |
| A-147      | A-10           | Dome Cap   |
| 8807N-3    | VC-4           | Screwdriver Cap for 8807N-4 and AD-1 Adapters                                      |
| A-150      | -              | Large Bore Short Hex Cap   |
| A-151      | -              | Used Only with Hydro Inflating Valves.   |
| A-152      | VC-10          | Large Bore Short Dome Cap  |
| A-155      | -              | Plastic Large Bore Sealing Cap   |

## VALVE ADAPTERS

### AD-1

Adapts Large Bore valve down to Standard Bore. Fits in 305-32 valve core threads.

### 8807N-4

Adapts Large Bore valve down to Standard Bore. Fits over .485-26 valve cap threads.

## GROMMETS

| HALTEC NO. | TIRE & RIM NO. | FITS            | TEMP. RATING | USED ON                                  |
|------------|----------------|-----------------|--------------|--|
| 5976-5     | RG-54          | .453 Valve Hole | -60 - 250° F | TV-416, 416L, 6008                       |
| 5976-6     | RG-39          | .625 Valve Hole | -60 - 250° F | TV-416, 416L                             |
| G-160      | RG-22          | .812 Valve Hole | -60 - 250° F | H-41, T-81, T-30, DS-385, DS210          |
| G-162      | RG-16          | .812 Valve Hole | -60 - 250° F | Turret Valves, PB-210, H-1000            |
| G-165      | -              | .812 Valve Hole | -60 - 250° F | K-431, K-665                             |
| G-166      | RG-7           | .625 Valve Hole | -60 - 250° F | TV-618, 621A, 622A, 623A                 |
| G-170      | RG-15          | .625 Valve Hole | -60 - 250° F | TV-500 Series, TV-570 Series             |
| G-170S     | -              | .625 Valve Hole | -75 - 400° F | Heat-Resistant Grommet for TV-570 Series |
| G-172      | RG-46          | .625 Valve Hole | -60 - 250° F | TV-509, 510, 511                         |
| G-174      | RG-48          | .625 Valve Hole | -60 - 250° F | TV-513, 515                              |
| G-550      | RG-70          | .975 Valve Hole | -20 - 400° F | Fits TV-550 Series                       |

## HEX NUTS

| HALTEC NO. | TIRE & RIM NO. | FITS     | USED ON   |
|------------|----------------|----------|---|
| 451        | HN-15          | 11/16-16 | H-41, T-30  |
| 452        | -              | .485-26  | K-431   |
| 463        | -              | -        | 753S, 810F (Jam Nut)                                    |
| 464        | HN-1           | .485-26  | L.B. Valves, 753S, 810F, 867, TV-618A, 621A, 622A, 623A |
| 10071      | HN-13          | .406-26  | TV-500 Series, TV-570                                   |
| B-222      | HN-80          | 11/16-24 | M-1900, M-1950, H-4000, MR-800, MR-850, T-81            |
| B9-2       | LN-13          | 11/16-24 | B9A Assembly  |
| HN-17      | HN-17          | .406-28  | TV-509, 510, 511  |
| HN-18      | HN-18          | .406-28  | TV-513, 515   |
| HN-21      | HN-21          |          | TV-540 Series   |
| HN-22      | HN-22          | .375-32  | H-543C, TV-540, TV-550 Series                           |
| LN-1       | HN-2           |          | FE-300 Series   |
| HN-23      | HN-23          | .375-32  | 70MS-7  |

## O-RINGS

| HALTEC NO. | TIRE & RIM NO. | TEMP. RATING | USED ON                               |
|------------|----------------|--------------|---------------------------------------|
| O-320      | -              | -40 - 250° F | Swivel Valves, H-43, H-42             |
| O-330L     | RG-60          | -75 - 400° F | TR-540 Series Valves                  |
| 10008      | -              | -40 - 250° F | T-670                                 |
| 10009      | -              | -40 - 250° F | M-5000                                |
| A-126      | -              | -40 - 250° F | R-762S, R-525 & SLB Angle Connections |
| A-127      | -              | -40 - 250° F | R-520, R-372, R-521                   |
| A-128      | -              | -40 - 250° F | DS-215, DS-226                        |

## WASHERS

| HALTEC NO. | TIRE & RIM NO. | FITS     | USED ON                      |
|------------|----------------|----------|------------------------------|
| 453        | -              | 11/16-24 | K-431, K-665                 |
| 10058      | RW-8           | .406-28  | TV-500 Series, TV-570 Series |
| 10058B     | RW-8           | .406-28  | TV-500 Series, TV-570 Series |
| RW-13      | RW-13          | .410-28  | TV-416                       |
| W-1101-1   | RW-11          | .485-26  | TV-618A, TV-621A, 622A, 623A |

