



AIR SOLUTIONS

QUALITY AIR MANAGEMENT PRODUCTS FROM A NAME YOU TRUST



TOTAL CONTROL

Certified System
ISO 9001
OM-SAI Global

AIR SPRINGS



AIR SPRING CONTROLS



COMPRESSORS



TANKS



FITTINGS



AIR SUSPENSION & ONBOARD AIR PRODUCT CATALOGUE



AFTERMARKET BY
PACBRAKE

PACBRAKE[®] COMPANY



As a proud family run business since 1961, Pacbrake Company™ has been committed to providing its customers with the highest quality products for a wide range of vehicles. Over the years, the expertise and innovation of Pacbrake's dedicated staff transformed the company from an engine brake distributor, into an industry leading manufacturer of automotive products. To this day, Pacbrake remains devoted to improving its product design through continuous research and development in order to provide customers with the most advanced automotive systems available, setting the standard for performance and durability across the trucking industry.

Behind every Pacbrake product stands a team of qualified engineers, state of the art manufacturing facilities and an internationally recognized ISO 9001: 2015 quality management system.

Pacbrake's dedication to quality and service over the past 50 years has given them the experience to develop the number one air management system. The Air Solutions product line continues to exceed customer expectations.



HISTORY

1960-1980

- Pacbrake Company™ incorporates in 1961

1980-1990

- Pacbrake develops new engine brake technology for Detroit Diesel™, Caterpillar™ and Cummins™ engines
- Pacbrake becomes the first company to patent a combination engine brake that utilizes an exhaust valve

1990-2000

- Pacbrake starts supplying engine and exhaust brakes to Freightliner™, Kenworth™ and Detroit Diesel™
- Becomes the largest North American exhaust brake manufacturer

2000-2010

- Starts supplying valves to the US Military
- Pacbrake expands R&D efforts and starts development of aftermarket products
- Starts supplying thermal management valves to Navistar™
- Expands aftermarket product line to include more tow/haul solutions (air springs, in-cab controls and onboard air)

2010-PRESENT

- Pacbrake celebrates 50 years in business
- Supplies first hot EGR valve to Navistar™
- Develops the first engine brake for Cummins™ ISB engine
- Launches the first engine shutoff valve for the oil and gas industry
- Develops new heavy duty air compressor line
- Pacbrake develops a large range of air springs for various suspension applications
- Pacbrake designs new wireless air spring controls app and airboard



The contents of this catalogue are subject to change without notice. Contact Pacbrake for the most up-to-date information on our products



Air Management By Pacbrake AIR SUSPENSION & ONBOARD AIR

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AIR SUSPENSION



AIR SPRING CONTROLS



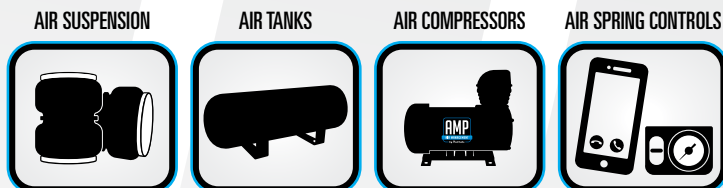
ONBOARD AIR



COMPONENTS

AIR MANAGEMENT SYSTEM OVERVIEW

Pacbrake offers a range of air management products. Our adjustable air springs can be used to custom-level your truck's stance, adding support from front-to-back and side-to-side. You can inflate them manually or add air spring controls which allow you to control your air springs with the touch of a button. If you require more air for your air springs (or other pneumatic accessories) you can add one of our onboard air kits which allows you to compress and store pressurized air.



AIR MANAGEMENT

1: AIR SUSPENSION

Pacbrake offers a variety of air spring solutions. Check our application guide to find the best system for your vehicle (see page 5). With the addition of an Pacbrake air spring kit, you can inflate your air springs enough to support your vehicle's load without overtaxing its suspension, resulting in a level stance, comfortable ride and stable handling.

LIFETIME WARRANTY

EASY BOLT ON INSTALLATION

AIR MANAGEMENT

2: AIR SPRING CONTROLS

Operate your Pacbrake air springs from your phone with the new Wireless controls app, or from the driver's seat with Pacbrake in-cab controls. Various dash activation switch kits are available depending on your air spring and accessory requirements (see page 12).



AIR MANAGEMENT

3: ONBOARD AIR

Onboard air (OBA) gives you the ability to compress and store pressurized air on your vehicle. Pacbrake offers air management components, pre-made OBA kits and customized OBA kits. All kits come complete with compressor(s), air tank, fittings, pressure switch, relay(s), electrical connectors and all applicable accessories (see page 19).



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



Adjustable

AIR SPRINGS

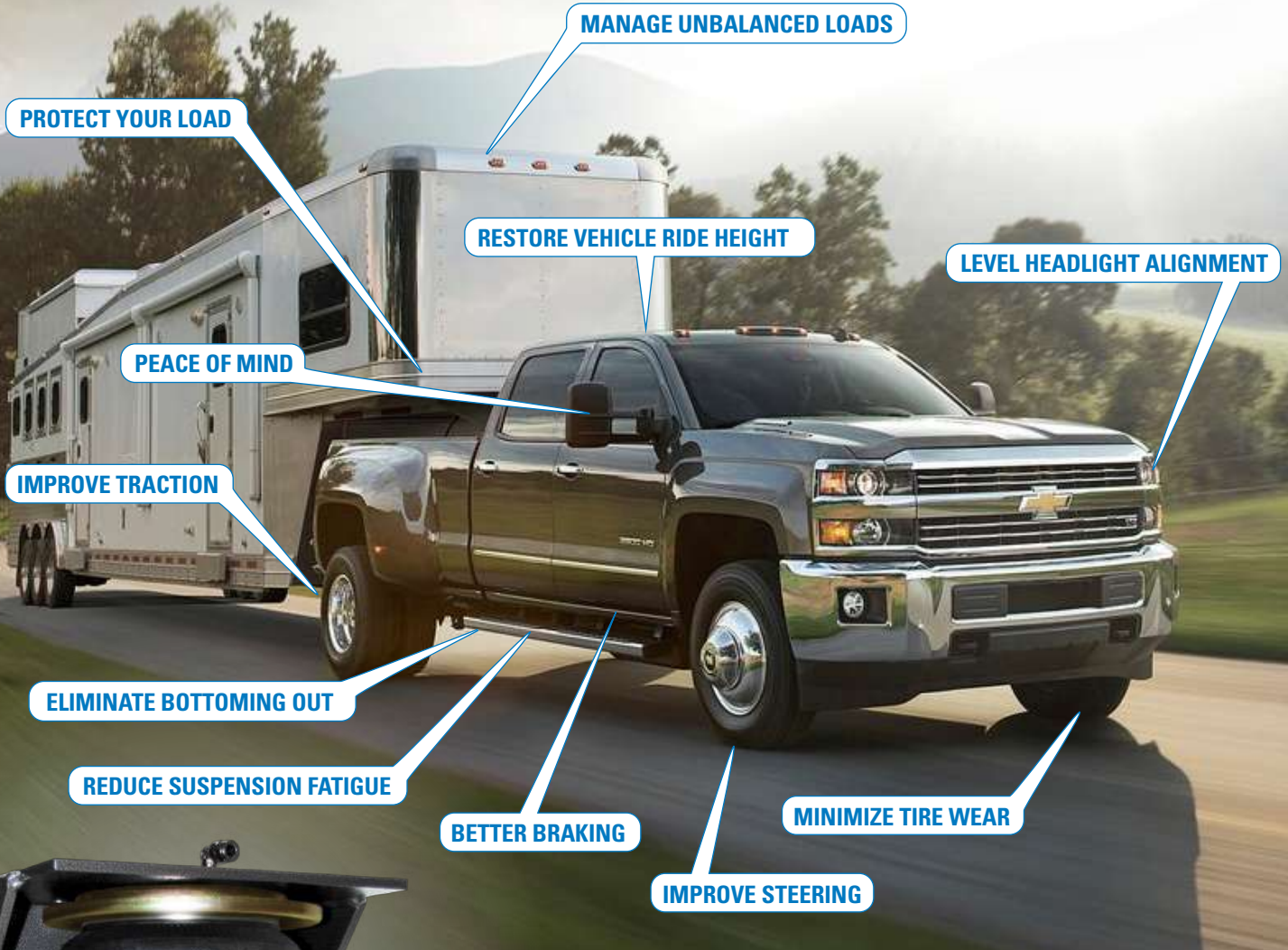
ADDED SUPPORT FOR AN OVERALL SMOOTH & SAFE RIDE

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



ADJUSTABLE AIR SPRING SOLUTIONS FOR COMMON TOW/HAUL PROBLEMS

Use Pacbrake's heavy duty air springs to eliminate your vehicle's sag, sway and bottoming out. Level your truck's stance while providing added support for an overall smooth & safe ride.



Adjustable

AIR SPRINGS

ADDED SUPPORT FOR AN OVERALL SMOOTH & SAFE RIDE

- » ELIMINATES VEHICLE SAG, SWAY & BOTTOMING OUT
- » BETTER BRAKING & IMPROVED STEERING
- » FRONT-TO-BACK & SIDE-TO-SIDE ADJUSTABILITY
- » IDEAL FOR HEAVY HAULERS OR UNEVENLY DISTRIBUTED LOADS

AIR SUSPENSION

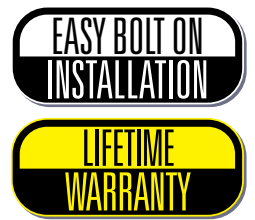
AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



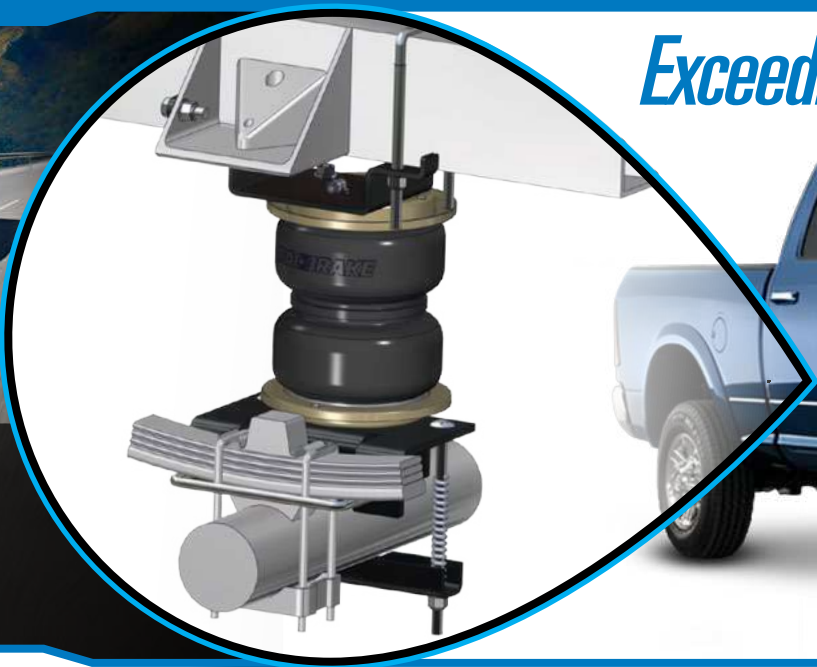
THE #1 SOLUTION FOR YOUR COMMON TOW/HAUL PROBLEMS



Your truck's suspension was designed as a compromise between capacity and comfort. So when you haul heavy loads or pull a trailer, the rear springs can be pushed to their limit resulting in excessive bounce, sagging ride height, and an overall feeling of instability.

It doesn't have to be this way. With the simple addition of a Pacbrake air spring kit, you can eliminate overtaxing your suspension by providing the extra support of an inflated air spring, resulting in a leveled stance, comfortable ride and stable handling.

Exceeding the competition in design



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

HEAVY DUTY DESIGN & BUILD

ONE PIECE ALUMINUM ANODIZED END CAPS

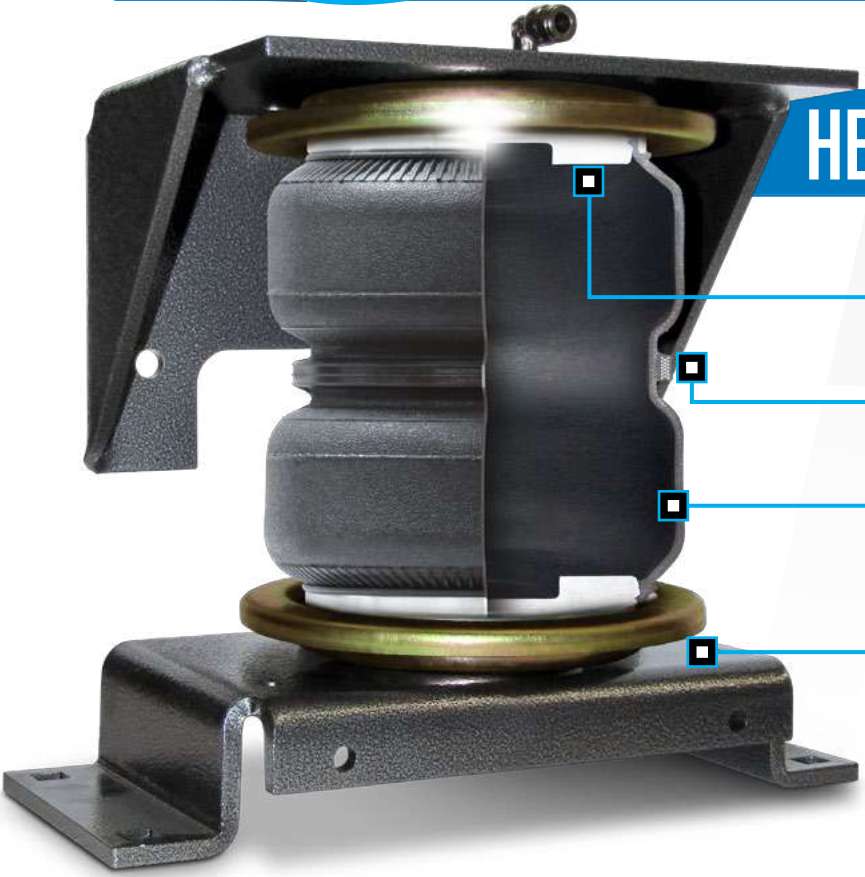
20 SUPPORT WIRES

TWO-PLY RUBBER

CORROSION RESISTANT ROLL PLATES & POWDER COATED BRACKETS

RATED UP TO 5,000 LBS*

*Applications vary. Kits containing HP10068 Rated to 5320 lbs. Never exceed manufacturer's recommended Gross Vehicle Weight Rating



DARE TO COMPARE...

Use Pacbrake's heavy duty air springs to level your truck's stance while providing added support for an overall smooth and safe ride.

CHECK OUT THE COMPETITION...



1/8" Steel End Caps

Only 9 Support Wires

Part #: 6781 (Date: 2015)



1/4" Fiber Reinforced Thermoplastic Composite End Caps

Only 15 Support Wires



Part #: 58437 (Date: 2018)

Information as of May 14, 2018



AFTERMARKET BY
PAC BRAKE

PACBRAKE



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AIR SPRING SPACERS FOR LIFTED TRUCKS

Pacbrake's air spring spacer kits allow for installation of air springs* on lifted trucks while still keeping them at their lifted height. Made of high quality carbon steel with protective powder coating, Pacbrake spacers have been manufactured for maximum strength and corrosion resistance.

**NOTE: For use only with single or double convoluted air springs*



KITS	PART #
2" SPACERS	HP10152
4" SPACERS	HP10154
6" SPACERS	HP10156

Air Spring Application Guide

UPDATED: July 17, 2020

Kits are designed to fit stock vehicles. For modified vehicles we recommend checking fitment.

MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
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CHEVROLET/GMC

Chevrolet/GMC SUVs

JIMMY/BLAZER (4WD)	1969-1991	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
JIMMY/BLAZER (2WD)	1973-1991	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001

Chevrolet/GMC Pickup Trucks

COLORADO/CANYON (2WD/4WD) ◇	2004-2012	HP10224 ◇	L6383	SS	Inside	No	2 Hrs	HP10001
COLORADO/CANYON (2WD/4WD) ◇	2009-2012	HP10226 ◇	L6383	SS	Inside	No	2 Hrs	HP10173
COLORADO/CANYON (2WD/4WD) Includes ZR2	2015-2020	HP10339	L6483	SS	Inside	No	2 Hrs	HP10001

Chevrolet Silverado/GMC Sierra 1500

C-10 (2WD)	1973-1987	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
C-10 (2WD)	1973-1987	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
K-10 (4WD)	1973-1987	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
K-10 (4WD)	1973-1987	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
SIERRA/SILVERADO K/C 1500 Δ (2WD/4WD)	1988-1998	HP10088 *** / Δ HP10120 *** / Δ	L5932	DC	Inside	Yes	3 Hrs	HP10000D HP10001
SIERRA/SILVERADO 1500HD (2WD/4WD) HEAVY LOADS	2001-2006	HP10072 ****	L5863	DC	Inside	No	2½ Hrs	HP10000D
SIERRA/SILVERADO 1500 (2WD/4WD)	1999-2007	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
SILVERADO 1500HD (2WD/4WD)	2001-2005	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
SIERRA 1500HD (2WD/4WD)	2001-2008	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
SIERRA/SILVERADO 1500 (2WD/4WD) FOR SHORT (69.3") AND MEDIUM (78.7") TRUCK BED LENGTHS <i>Will not fit if vehicle is equipped with MagneRide</i>	2007-2018	HP10216	L6360	DC	Inside	No ♦	3 Hrs	HP10000D
SIERRA/SILVERADO 1500 (2WD/4WD) FOR SHORT (69.3") AND MEDIUM (78.7") TRUCK BED LENGTHS	2007-2018	HP10144	L6035	SS	Outside	No	2 Hrs	HP10001
SIERRA/SILVERADO 1500 (2WD/4WD) FOR LONG (97.8") TRUCK BED LENGTHS	2007-2018	HP10178	L6035	SS	Outside	No	2 Hrs	HP10001
SIERRA LIMITED/SILVERADO LD 1500 (2WD/4WD)	2019	HP10216	L6360	DC	Inside	No ♦	3 Hrs	HP10000D
SIERRA/SILVERADO 1500 (2WD/4WD) FOR ALL TRUCK BED LENGTHS. <i>AT4/Trail Boss - requires use of 2" spacer (Part # 10152). Will not fit if vehicle is equipped with Adaptive Ride Control.</i>	2019-2020	HP10340	L6453	DC	Inside	No ♦	2 Hrs	HP10000D

Chevrolet Silverado/GMC Sierra 2500

C-20 (2WD)	1973-1987	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
C-20 (2WD)	1973-1987	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
K-20 (4WD)	1973-1987	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
SIERRA/SILVERADO K/C 2500 Δ (2WD/4WD)	1988-1998	HP10088 *** / Δ HP10120 *** / Δ	L5932	DC	Inside	Yes	3 Hrs	HP10000D HP10001
SIERRA/SILVERADO 2500 Δ (2WD/4WD) DRUM BRAKES ONLY	1999-2000	HP10088 *** / Δ HP10120 *** / Δ	L5932	DC	Inside	Yes	3 Hrs	HP10000D HP10001

	REPLACEMENT AIR SPRING		AIR SPRING STYLE	DC	DOUBLE CONVOLUTED	SS	SLEEVE STYLE
	VEHICLE MODIFICATION REQUIRED		SUGGESTED INSTALLATION TIME	SC	SINGLE CONVOLUTED	IC	IN-COIL





- * THE 10033 KIT REQUIRES 6" BETWEEN THE TIRE AND FRAME
- ** WILL ONLY FIT WITH STOCK WHEELS & TIRES
- *** FOR 'C' CHANNEL FRAMES
- **** FOR HYDRO FORMED FRAMES
 - WILL NOT FIT MODELS WITH FACTORY AIR SUSPENSION
 - VEHICLE MUST HAVE A LIFT BLOCK
- ◇ SEE MANUAL OR CALL FOR SPECIFIC SUB-MODEL APPLICATIONS
- Δ IF THE FRAME TO AXLE PAD DISTANCE IS 7.25" OR LESS, USE KIT 10120





- † 10019 KITS FIT WITH A REESE 5th WHEEL RAIL KIT (MODELS 30033, 30035 & 30729)
- †† 10070 KITS FIT WITH A DRAW TITE 15000 5th WHEEL HITCH
- ††† FOR ALL TRUCKS, INCLUDING THOSE WITH 5th WHEEL HITCHES. NOT FOR CHASSIS CAB TRUCKS
- ‡ THE 10002 KITS FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 4WD VEHICLES
- ‡‡ THE 10089 KITS WILL NOT FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 2WD VEHICLES
- ♦ DRILLING MAY BE REQUIRED ON TRUCKS WITH AN AFTERMARKET 5th WHEEL HITCH

Air Spring Application Guide

UPDATED: July 17, 2020

Kits are designed to fit stock vehicles. For modified vehicles we recommend checking fitment.

MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
CHEVROLET/GMC								
Chevrolet Silverado/GMC Sierra 2500 (continued)								
SIERRA/SILVERADO 2500HD (2WD/4WD)	2001-2010	HP10005 †††	L5683	DC	Inside	No	2 Hrs	HP10000D
SIERRA/SILVERADO 2500HD (2WD/4WD)	2011-2019	HP10171 †††	L6135	DC	Inside	No ♦	2½ Hrs	HP10000D
SIERRA/SILVERADO 2500HD (2WD/4WD)	2020+	HP10355 †††	L6502	DC	Inside	No	2 Hrs	HP10000D
<i>Does not fit DRW vehicles</i>								
Chevrolet Silverado/GMC Sierra 3500								
C-30 (2WD)	1973-1987	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
C-30 (2WD)	1973-1987	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
K-30 (4WD)	1973-1987	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
SIERRA/SILVERADO K/C 3500 Δ (2WD/4WD)	1988-2000	HP10088 ***/Δ HP10120 ***/Δ	L5932	DC	Inside	Yes	3 Hrs	HP10000D HP10001
SIERRA/SILVERADO 3500HD (2WD/4WD)	2001-2010	HP10005	L5683	DC	Inside	No	2 Hrs	HP10000D
<i>Not for commercial cab and chassis</i>								
SIERRA/SILVERADO 3500HD (2WD/4WD)	2011-2019	HP10171 †††	L6135	DC	Inside	No ♦	2½ Hrs	HP10000D
<i>Not for commercial cab and chassis</i>								
SIERRA/SILVERADO 3500HD (2WD/4WD)	2020+	HP10355 †††	L6502	DC	Inside	No	2 Hrs	HP10000D
<i>Does not fit DRW vehicles</i>								
Chevrolet/GMC Motorhomes (Class C Vans)								
CLASS C MOTORHOME G3500 (2WD)	2013-2015	HP10227	L6386	SC	Inside	No	2 Hrs	HP10083
<i>Dual rear wheels</i>								
CLASS C MOTORHOME G4500 (2WD)	2013-2015	HP10227	L6386	SC	Inside	No	2 Hrs	HP10083
<i>Dual rear wheels</i>								

	REPLACEMENT AIR SPRING		AIR SPRING STYLE	DC	DOUBLE CONVOLUTED	SS	SLEEVE STYLE
	VEHICLE MODIFICATION REQUIRED		SUGGESTED INSTALLATION TIME	SC	SINGLE CONVOLUTED	IC	IN-COIL

* THE 10033 KIT REQUIRES 6" BETWEEN THE TIRE AND FRAME	† 10019 KITS FIT WITH A REESE 5th WHEEL RAIL KIT (MODELS 30033, 30035 & 30729)
** WILL ONLY FIT WITH STOCK WHEELS & TIRES	†† 10070 KITS FIT WITH A DRAW TITE 15000 5th WHEEL HITCH
*** FOR 'C' CHANNEL FRAMES	††† FOR ALL TRUCKS, INCLUDING THOSE WITH 5th WHEEL HITCHES. NOT FOR CHASSIS CAB TRUCKS
**** FOR HYDRO FORMED FRAMES	‡ THE 10002 KITS FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 4WD VEHICLES
▪ WILL NOT FIT MODELS WITH FACTORY AIR SUSPENSION	‡‡ THE 10089 KITS WILL NOT FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 2WD VEHICLES
✖ VEHICLE MUST HAVE A LIFT BLOCK	♦ DRILLING MAY BE REQUIRED ON TRUCKS WITH AN AFTERMARKET 5th WHEEL HITCH
◇ SEE MANUAL OR CALL FOR SPECIFIC SUB-MODEL APPLICATIONS	
Δ IF THE FRAME TO AXLE PAD DISTANCE IS 7.25" OR LESS, USE KIT 10120	

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MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
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DODGE/RAM

Dodge SUVs

RAM CHARGER (2WD/4WD)	1974-1993	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
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Dodge Pickup Trucks

DAKOTA (4WD)	1987-2004	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
DAKOTA (2WD/4WD) ◇	2005-2011	HP10220 ◇	L6370	SS	Outside	Yes	2½ Hrs	HP10001
DAKOTA RT (2WD)	2000-2001	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
W-100 (2WD/4WD)	1969-1993	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
W-100 (2WD/4WD) HEAVY LOADS	1969-1993	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
D-150, W-150 (2WD/4WD)	1969-1993	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
D-150, W-150 (2WD/4WD) HEAVY LOADS	1969-1993	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
D-250, W-250 (2WD/4WD)	1969-1993	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
D-350, W-350 (2WD/4WD)	1969-1993	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D

Ram 1500

RAM 1500 (2WD/4WD)	1994-2001	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
RAM 1500 (2WD) HEAVY LOADS	1994-2001	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
RAM 1500 (2WD/4WD) HEAVY LOADS	2002-2008	HP10071	L5835	DC	Inside	No	2½ Hrs	HP10000D
RAM MEGA CAB 1500 (2WD)	2006-2008	HP10089 ††	L5682	SC	Inside	No	2 Hrs	HP10083
RAM MEGA CAB 1500 (4WD)	2006-2008	HP10002 ‡	L5682	DC	Inside	No	2 Hrs	HP10000D
RAM 1500 (4WD) FOR 2WD CALL FOR ASSISTANCE	2009-2018	HP10207	L6338	DC	Inside	Yes	4 Hrs	HP10000D
RAM 1500 Classic (4WD) FOR 2WD CALL FOR ASSISTANCE	2019	HP10207	L6338	DC	Inside	Yes	4 Hrs	HP10000D
RAM 1500 (2WD) *	2019-2020	HP10337	L6480	SC	Inside	No	2 Hrs	HP10083
RAM 1500 (4WD) *	2019-2020	HP10336	L6480	DC	Inside	No	2 Hrs	HP10000D
RAM ProMaster 1500 (2WD/4WD)	2013-2020	HP10365	L6511	SC	Inside	No	2 Hrs	HP10083

Ram 2500

RAM 2500 (2WD/4WD)	1994-2002	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
RAM 2500 (4WD) INCLUDING MEGA CAB	2003-2013	HP10002 ‡	L5682	DC	Inside	No	2 Hrs	HP10000D
RAM 2500 (2WD) INCLUDING MEGA CAB	2003-2013	HP10089 ††	L5682	SC	Inside	No	2 Hrs	HP10083
RAM 2500 (2WD/4WD)	2014-2020	HP10206	L6345	DC	N/A	No	2 Hrs	HP10000D
RAM ProMaster 2500 (2WD/4WD)	2013-2020	HP10365	L6511	SC	Inside	No	2 Hrs	HP10083

	REPLACEMENT AIR SPRING		AIR SPRING STYLE	DC	DOUBLE CONVOLUTED	SS	SLEEVE STYLE
	VEHICLE MODIFICATION REQUIRED		SUGGESTED INSTALLATION TIME	SC	SINGLE CONVOLUTED	IC	IN-COIL

- * THE 10033 KIT REQUIRES 6" BETWEEN THE TIRE AND FRAME
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- *** FOR 'C' CHANNEL FRAMES
- **** FOR HYDRO FORMED FRAMES
 - WILL NOT FIT MODELS WITH FACTORY AIR SUSPENSION
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- †† 10070 KITS FIT WITH A DRAW TITE 15000 5th WHEEL HITCH
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Air Spring Application Guide

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Kits are designed to fit stock vehicles. For modified vehicles we recommend checking fitment.

MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
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DODGE/RAM

Ram 3500

RAM 3500 (2WD / 4WD)	1994-2002	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
RAM 3500 (2WD / 4WD)	2019+	HP10368	L6512	DC	Inside	No	2½ Hrs	HP10000D
RAM 3500 (4WD) INCLUDING MEGA CAB	2003-2020	HP10002 ‡	L5682	DC	Inside	No	2 Hrs	HP10000D
RAM 3500 (2WD) INCLUDING MEGA CAB	2003-2020	HP10089 ††	L5682	SC	Inside	No	2 Hrs	HP10083
RAM 3500 (2WD / 4WD) CHASSIS CAB <i>The 10136 must be purchased for vehicles that have a round axle tube with the breather located approximately 7" from the spring pack.</i>	2006-2018	HP10002 ‡ & HP10136	L5682	DC	Inside	No	2 Hrs	HP10000D
RAM 3500 (2WD / 4WD) CHASSIS CAB <i>The 10349 must be purchased for vehicles that have a round axle tube with the breather located approximately 7" from the spring pack.</i>	2019-2020	HP10002 ‡ & HP10349	L5682	DC	Inside	No	2 Hrs	HP10000D
RAM ProMaster 3500 (2WD/4WD)	2013-2020	HP10365	L6511	SC	Inside	No	2 Hrs	HP10083

Dodge Vans/Commercial Vehicles

RAM 4500 (2WD / 4WD) CHASSIS CAB	2007-2009	HP10121	L5934	DC	Inside	No	3 Hrs	HP10068
RAM 4500 (2WD / 4WD) CHASSIS CAB	2010-2020	HP10321	L6454	DC	Inside	No	2 Hrs	HP10068
RAM 5500 (2WD / 4WD) CHASSIS CAB	2007-2009	HP10121	L5934	DC	Inside	No	3 Hrs	HP10068
RAM 5500 (2WD / 4WD) CHASSIS CAB	2010-2020	HP10321	L6454	DC	Inside	No	2 Hrs	HP10068
SPRINTER 2500 (2WD)	2007-2009	HP10147	L6037	DC	Inside	Yes	2½ Hrs	HP10000D

 REPLACEMENT AIR SPRING	 AIR SPRING STYLE	DC DOUBLE CONVOLUTED	SS SLEEVE STYLE
 VEHICLE MODIFICATION REQUIRED	 SUGGESTED INSTALLATION TIME	SC SINGLE CONVOLUTED	IC IN-COIL

- * THE 10033 KIT REQUIRES 6" BETWEEN THE TIRE AND FRAME
- ** WILL ONLY FIT WITH STOCK WHEELS & TIRES
- *** FOR 'C' CHANNEL FRAMES
- **** FOR HYDRO FORMED FRAMES
 - WILL NOT FIT MODELS WITH FACTORY AIR SUSPENSION
 - VEHICLE MUST HAVE A LIFT BLOCK
- ◇ SEE MANUAL OR CALL FOR SPECIFIC SUB-MODEL APPLICATIONS
- △ IF THE FRAME TO AXLE PAD DISTANCE IS 7.25" OR LESS, USE KIT 10120

- † 10019 KITS FIT WITH A REESE 5th WHEEL RAIL KIT (MODELS 30033, 30035 & 30729)
- †† 10070 KITS FIT WITH A DRAW TITE 15000 5th WHEEL HITCH
- ††† FOR ALL TRUCKS, INCLUDING THOSE WITH 5th WHEEL HITCHES. NOT FOR CHASSIS CAB TRUCKS
- ‡ THE 10002 KITS FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 4WD VEHICLES
- ‡‡ THE 10089 KITS WILL NOT FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 2WD VEHICLES
- ◆ DRILLING MAY BE REQUIRED ON TRUCKS WITH AN AFTERMARKET 5th WHEEL HITCH

Air Spring Application Guide

UPDATED: July 17, 2020

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MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
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FORD

Ford SUVs

BRONCO (4WD)	1980-1996	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
BRONCO II (4WD)	1983-1990	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001

Ford Pickup Trucks

RANGER ** (2WD/4WD)	1998-2010	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
RANGER (2WD/4WD)	2019+	HP10352	L6491	SC	Outside	No	2 Hrs	HP10353
F-100 (4WD) HEAVY LOADS	1966-1996	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-100 (4WD) LIGHT LOADS	1966-1996	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
F-100 (2WD) HEAVY LOADS	1968-1996	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-100 (2WD) LIGHT LOADS	1968-1996	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001

Ford F-150

F-150 (4WD) HEAVY LOADS	1966-1996	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-150 (2WD) HEAVY LOADS	1968-1996	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-150 (2WD) LIGHT LOADS	1968-1996	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
F-150 (2WD/4WD) INCLUDING HERITAGE	1997-2003	HP10033 *	L6030	SS	Outside	Yes	2½ Hrs	HP10001
F-150 (2WD/4WD) HEAVY LOADS <i>Will not fit fx2</i>	2004-2008	HP10004	L5681	DC	Outside	No	2 Hrs	HP10000D
F-150 (2WD/4WD) EXCLUDES HERITAGE	2004-2009	HP10153	L6146	SS	Outside	No	2½ Hrs	HP10173
F-150 (2WD/4WD) EXCLUDES HERITAGE & F-150 RAPTOR <i>Will not fit newer style, aluminum body trucks</i>	2010-2014	HP10155	L6146	SS	Outside	No	2½ Hrs	HP10001
F-150 (4WD)	2004-2014	HP10212	L6335	DC	Inside	No	2½ Hrs	HP10000D
F-150 (4WD)	2015+	HP10358	L6497	DC	Outside	No	1½ Hrs	HP10000D
TRANSIT 150 (2WD)	2015-2019	HP10307	L6444	DC	Inside	No	2½ Hrs	HP10000D

Ford F-250

F-250 (2WD) UNDER 7500 GVWR	1969-1979	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-250 (2WD)	1980-1996	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-250 (4WD) '97 HEAVY DUTY OVER 8600 GVWR	1980-1997	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-250 LIGHT DUTY (2WD/4WD) UNDER 7500 GVWR	1997-1998	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-250 SUPER DUTY (2WD/4WD)	1999-2010	HP10070 ††	L5754	DC	Outside	Yes	3 Hrs	HP10000D
F-250 SUPER DUTY (2WD)	2005-2010	HP10182 †††	L6220	DC	Inside	No ♦	4 Hrs	HP10000D
F-250 SUPER DUTY (4WD)	2005-2010	HP10181 †††	L6220	DC	Inside	No ♦	4 Hrs	HP10000D
F-250 SUPER DUTY (2WD/4WD) <i>Will not fit vehicles with factory installed 5th wheel hitch</i>	2010-2016	HP10070 ††	L5754	DC	Outside	Yes	3 Hrs	HP10000D

 REPLACEMENT AIR SPRING	 AIR SPRING STYLE	DC DOUBLE CONVOLUTED	SS SLEEVE STYLE
 VEHICLE MODIFICATION REQUIRED	 SUGGESTED INSTALLATION TIME	SC SINGLE CONVOLUTED	IC IN-COIL





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Air Spring Application Guide

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MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
FORD								
Ford F-250 (continued)								
F-250 SUPER DUTY (2WD)	2011-2016	HP10194 †††	L6219	DC	Inside	No ♦	4 Hrs	HP10000D
F-250 SUPER DUTY (4WD)	2011-2016	HP10247 †††	L6405	DC	Inside	No ♦	2 Hrs	HP10068
F-250 SUPER DUTY (4WD)	2017-2020	HP10304 ††† ✕	L6436	DC	Inside	Yes	2½ Hrs	HP10000D
TRANSIT 250 (2WD)	2015-2019	HP10307	L6444	DC	Inside	No	2½ Hrs	HP10000D
Ford F-350								
F-350 (2WD)	1970-1997	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-350 (4WD) EXCEPT SUPER HD CHASSIS	1980-1997	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-350 SUPER DUTY (2WD) 11,200 GVWR & UNDER	1999-2004	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
F-350 SUPER DUTY (2WD/4WD)	1999-2010	HP10070 ††	L5754	DC	Outside	Yes	3 Hrs	HP10000D
F-350 SUPER DUTY (2WD)	2005-2010	HP10182 †††	L6220	DC	Inside	No ♦	4 Hrs	HP10000D
F-350 SUPER DUTY (4WD)	2005-2010	HP10181 †††	L6220	DC	Inside	No ♦	4 Hrs	HP10000D
F-350 SUPER DUTY (2WD/4WD) <i>Will not fit vehicles with factory installed 5th wheel hitch</i>	2010-2016	HP10070 ††	L5754	DC	Outside	Yes	3 Hrs	HP10000D
F-350 SUPER DUTY (2WD)	2011-2016	HP10194 †††	L6219	DC	Inside	No ♦	4 Hrs	HP10000D
F-350 SUPER DUTY (4WD)	2011-2016	HP10247 †††	L6405	DC	Inside	No ♦	2 Hrs	HP10068
F-350 SUPER DUTY (4WD)	2017-2020	HP10304 ††† ✕	L6436	DC	Inside	Yes	2½ Hrs	HP10000D
TRANSIT 350 (2WD) <i>Will not fit 350HD or DRW vehicles</i>	2015-2019	HP10307	L6444	DC	Inside	No	2½ Hrs	HP10000D
Ford F-450								
F-450 SUPER DUTY (2WD)	2011-2014	HP10194 †††	L6219	DC	Inside	No ♦	4 Hrs	HP10000D
F-450 SUPER DUTY (4WD)	2011-2014	HP10193 †††	L6219	DC	Inside	No ♦	4 Hrs	HP10000D
F-450 SUPER DUTY (2WD/4WD)	2008-2010	HP10187 †††	L6225	DC	Inside	No	4 Hrs	HP10000D
F-450 SUPER DUTY (2WD/4WD)	2015-2016	HP10195 †††	L6225	DC	Inside	No	3 Hrs	HP10000D
F-450 SUPER DUTY (4WD)	2017-2020	HP10304 ††† ✕	L6436	DC	Inside	Yes	2½ Hrs	HP10000D
F-450 SUPER DUTY (2WD/4WD) COMMERCIAL CAB & CHASSIS	2012-2020	HP10324	L6459	DC	Outside	Yes	3 Hrs	HP10068
Ford F-550								
F-550 SUPER DUTY (2WD/4WD) COMMERCIAL CAB & CHASSIS	2012-2020	HP10324	L6459	DC	Outside	Yes	3 Hrs	HP10068
Ford F-600								
F-600 SUPER DUTY (2WD/4WD) COMMERCIAL CAB & CHASSIS	2020+	HP10324	L6459	DC	Outside	Yes	3 Hrs	HP10068





	REPLACEMENT AIR SPRING		AIR SPRING STYLE	DC	DOUBLE CONVOLUTED	SS	SLEEVE STYLE
	VEHICLE MODIFICATION REQUIRED		SUGGESTED INSTALLATION TIME	SC	SINGLE CONVOLUTED	IC	IN-COIL

<ul style="list-style-type: none"> * THE 10033 KIT REQUIRES 6" BETWEEN THE TIRE AND FRAME ** WILL ONLY FIT WITH STOCK WHEELS & TIRES *** FOR 'C' CHANNEL FRAMES **** FOR HYDRO FORMED FRAMES <ul style="list-style-type: none"> ▪ WILL NOT FIT MODELS WITH FACTORY AIR SUSPENSION ✕ VEHICLE MUST HAVE A LIFT BLOCK ♦ SEE MANUAL OR CALL FOR SPECIFIC SUB-MODEL APPLICATIONS Δ IF THE FRAME TO AXLE PAD DISTANCE IS 7.25" OR LESS, USE KIT 10120 	<ul style="list-style-type: none"> † 10019 KITS FIT WITH A REESE 5th WHEEL RAIL KIT (MODELS 30033, 30035 & 30729) †† 10070 KITS FIT WITH A DRAW TITE 15000 5th WHEEL HITCH ††† FOR ALL TRUCKS, INCLUDING THOSE WITH 5th WHEEL HITCHES. NOT FOR CHASSIS CAB TRUCKS ‡ THE 10002 KITS FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 4WD VEHICLES ‡‡ THE 10089 KITS WILL NOT FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 2WD VEHICLES ♦ DRILLING MAY BE REQUIRED ON TRUCKS WITH AN AFTERMARKET 5th WHEEL HITCH
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MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
FREIGHTLINER								
SPRINTER, 2500 (2WD)	2007-2014	HP10147	L6037	DC	Inside	Yes	3 Hrs	HP10000D
MAZDA								
MAZDA PICK-UPS (2WD / 4WD) <i>Will only fit with stock wheels and tires</i>	1998-2010	HP10019 †	L5685	DC	Outside	Yes	3 Hrs	HP10000D
MERCEDES								
SPRINTER, 2500 (2WD)	2010-2014	HP10147	L6037	DC	Inside	Yes	3 Hrs	HP10000D
NISSAN								
TITAN (2WD / 4WD)	2004-2015	HP10222	L6376	DC	Inside	Yes	2 Hrs	HP10000D
TITAN XD (2WD / 4WD) <i>XD models only</i>	2016-2019	HP10338	L6477	DC	Inside	No	2 Hrs	HP10000D
STERLING								
BULLET 4500, BULLET 5500 (2WD / 4WD) CHASSIS CAB	2007-2009	HP10121	L5934	DC	Inside	No	3 Hrs	HP10068
TOYOTA								
Toyota Tacoma ALL TOYOTA KITS REQUIRE A MINIMUM OF 5" BETWEEN THE TIRE AND FRAME AND WILL ONLY FIT WITH STOCK WHEELS AND TIRES 1995-2004. THIS DOES NOT APPLY TO 10311.								
TOYOTA TACOMA (4WD)	1995-2004	HP10191	L6270	SS	Outside	Yes	3 Hrs	HP10173
TOYOTA TACOMA (4WD)	2005-2014	HP10165	L6173	SS	Outside	No	3 Hrs	HP10199
TOYOTA TACOMA (4WD)	2005-2020	HP10311	L6449	SC	Inside	No	2½ Hrs	HP10083
TOYOTA TACOMA PRERUNNER (2WD)	2005-2020	HP10311	L6449	SC	Inside	No	2½ Hrs	HP10083
TOYOTA TACOMA (4WD)	2005-2019	HP10328	L6469	SS	Outside	No	3 Hrs	HP10001
TOYOTA TACOMA PRERUNNER (2WD)	2005-2019	HP10328	L6469	SS	Outside	No	3 Hrs	HP10001
Toyota Tundra ALL TOYOTA KITS REQUIRE A MINIMUM OF 5" BETWEEN THE TIRE AND FRAME AND WILL ONLY FIT WITH STOCK WHEELS AND TIRES 1995-2004								
TOYOTA TUNDRA (2WD / 4WD)	2001-2006	HP10126	L6010	SC	Outside	No	2½ Hrs	HP10083
TOYOTA TUNDRA (2WD / 4WD) <i>Trucks in which the upper jounce bumper pad protrudes 1" below the frame</i>	2001-2006	HP10158	L6010	SC	Outside	No	2½ Hrs	HP10083
TOYOTA TUNDRA (2WD / 4WD)	2007-2020	HP10128	L6010	SC	Outside	No	2½ Hrs	HP10083
UNIVERSAL FIT								
FABRICATORS REAR AIR SPRING KIT <small>SMALL AIR SPRINGS</small>		HP10130	L5953	DC	N/A	N/A	N/A	HP10000D
FABRICATORS FRONT AIR SPRING KIT <small>LARGE AIR SPRINGS</small>		HP10086	L5953	DC	N/A	N/A	N/A	HP10068





	REPLACEMENT AIR SPRING		AIR SPRING STYLE	DC	DOUBLE CONVOLUTED	SS	SLEEVE STYLE
	VEHICLE MODIFICATION REQUIRED		SUGGESTED INSTALLATION TIME	SC	SINGLE CONVOLUTED	IC	IN-COIL





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MODEL	YEAR	KIT #	INSTALL MANUAL		FRAME MOUNT			
AIR SUSPENSION SPACERS								
2" Spacers <i>Universal fit with single & double convoluted air springs only</i>		HP10152	L6100	DC/SC	N/A	N/A	N/A	N/A
4" Spacers <i>Universal fit with single & double convoluted air springs only</i>		HP10154	L6100	DC/SC	N/A	N/A	N/A	N/A
6" Spacers <i>Universal fit with single & double convoluted air springs only</i>		HP10156	L6100	DC/SC	N/A	N/A	N/A	N/A









	REPLACEMENT AIR SPRING		AIR SPRING STYLE	DC	DOUBLE CONVOLUTED	SS	SLEEVE STYLE
	VEHICLE MODIFICATION REQUIRED		SUGGESTED INSTALLATION TIME	SC	SINGLE CONVOLUTED	IC	IN-COIL

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*** FOR 'C' CHANNEL FRAMES	††† FOR ALL TRUCKS, INCLUDING THOSE WITH 5th WHEEL HITCHES. NOT FOR CHASSIS CAB TRUCKS
**** FOR HYDRO FORMED FRAMES	‡ THE 10002 KITS FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 4WD VEHICLES
▪ WILL NOT FIT MODELS WITH FACTORY AIR SUSPENSION	‡‡ THE 10089 KITS WILL NOT FIT WITH THE 3349 & 3319 SUPERGLIDE 5th WHEEL RAIL KITS ON 2WD VEHICLES
✘ VEHICLE MUST HAVE A LIFT BLOCK	◆ DRILLING MAY BE REQUIRED ON TRUCKS WITH AN AFTERMARKET 5th WHEEL HITCH
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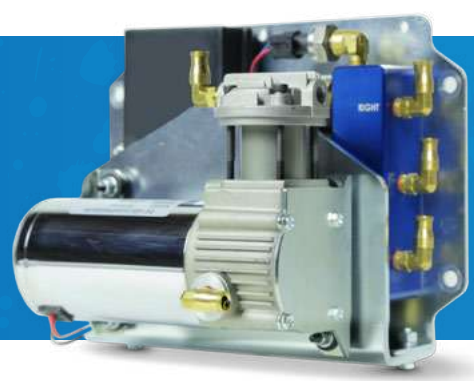
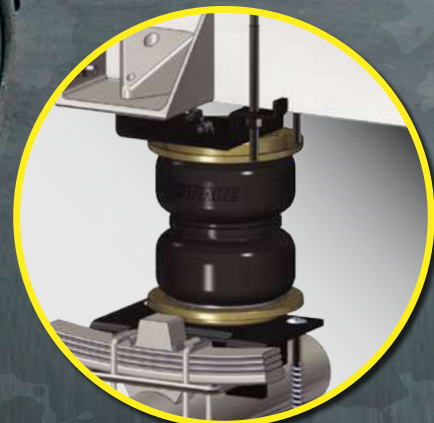


WIRELESS AIR SPRING CONTROLS

Pacbrake's Wireless Air Spring Controls give you the ability to adjust your air spring pressure with your phone. It is the perfect means to control your vehicle's air suspension system, giving you the freedom to adjust your air springs from both inside and outside of the vehicle.

-  **Adjust your air springs independently to accommodate different loads and road conditions**
-  **The App has 3 built-in memory settings for customized adjustments and reads real time pressure feedback**
-  **Military grade robust pneumatic solenoids designed to withstand extreme environments**
-  **IP67 rated controller that is waterproof & debris resistant**
-  **Easily serviceable parts with replaceable components that are simple to access**
-  **Pre-assembled plug and play harnesses for a quick & effortless installation**
-  **1 Hour Install with common mechanic tools
No drilling required**
-  **Universal fit – Fits the frame of any vehicle & works with any air spring or onboard air system**

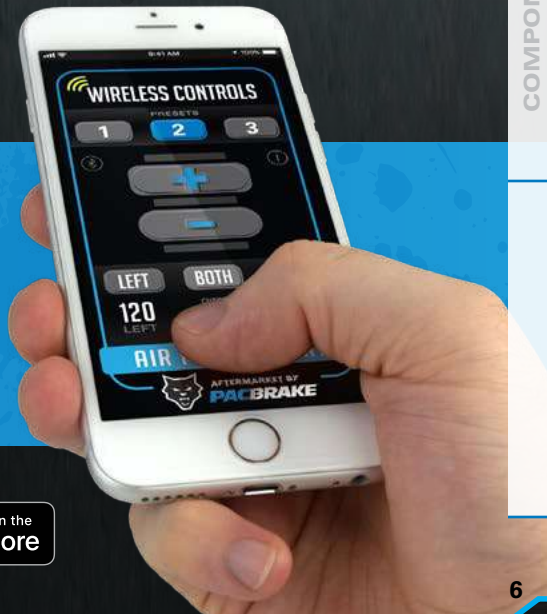
TOTAL CONTROL
OF YOUR AIR SPRINGS
IN THE PALM OF YOUR HAND



WIRELESS AIR BOARD ASSEMBLY

Comes complete with everything required for install: Air lines, connectors & mounting hardware.

◀ Kits available with and without a built-in HP325 12VDC Compressor:
1/4 HP | 33% Duty Cycle* | 1.2 SCFM



Proudly made in Canada. 🇨🇦

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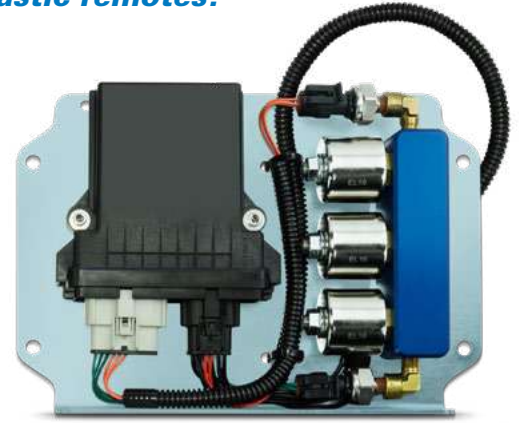
Wireless Air Spring Controls



Pacbrake's Wireless Air Spring Controls give you the ability to adjust your air spring pressure from your phone, with the touch of a button. No more fiddling around with an air chuck and pressure gauge, no more running wires or drilling holes through your vehicle's dash & no more plastic remotes!



HP10327 - Android & iOS



HP10316 - Android HP10325 - iOS

NOTE: Phone is not included

WIRELESS AIR SPRING CONTROLS

Pacbrake's Wireless Air Spring Controls are the perfect means to control your vehicle's air suspension system, giving you the freedom to adjust your air springs from inside or outside the vehicle.

FOR VEHICLES WITH ONBOARD AIR

HP10316 - for Android
HP10325 - for iOS

FOR VEHICLES WITHOUT ONBOARD AIR

HP10327 - for Android & iOS

- ▶ Independent & simultaneous air spring control
- ▶ Three presets – for rapid adjustment
- ▶ Real time pressure feedback
- ▶ Easy bolt-on installation – can be completed within 1 hour
- ▶ Universal fit – Integrates into any air spring suspension system



PACBRAKE WIRELESS AIR SPRING CONTROLS KITS COMES WITH EVERYTHING REQUIRED FOR INSTALL

- Preassembled Pacbrake Wireless Controls air board
Includes: controller, solenoid block, pressure sensors & harnesses
- Phone app (free download from your app store)
- Airlines, pressure connectors & mounting hardware

Proudly made in Canada, the Pacbrake Wireless Controls come with a 2 year warranty.*

SPECIFICATIONS

MAXIMUM AIR PRESSURE	150 psi (gauge) [10.3 bar]
CONTINUOUS AIR TEMPERATURE	-40°F to +248°F [-40°C to +85°C]
AMBIENT TEMPERATURE RANGE	-40°F to +248°F [-40°C to +85°C]
SUPPLY VOLTAGE	12 VDC Switched Ignition (HP10316, 327) 12 VDC Nominal (9V - 14.5V) (HP10325)
CURRENT DRAW (STANDBY MODE)	35 mA (HP10316, HP10327) 30 mA (HP10325)
CURRENT DRAW (BLUETOOTH CONN.)	80 mA (HP10316, HP10327) 40 mA (HP10325)
CURRENT DRAW (SOLENOIDS)	1.5A ea.
MOBILE DEVICE OPERATING SYSTEM	Android 4.3 or Newer (Jellybean) Apple™ iOS 10.3 or newer
PRESSURE FEEDBACK UNITS	PSI
PRESSURE FEEDBACK ACCURACY	±1
INGRESS PROTECTION (WEATHERPROOF)	IP67 Controller and Connectors
MAXIMUM FRAME SIZE** (WxH)	4.750 x 9.125" [120 x 232 mm]

* See warranty terms and conditions for additional details.

** Frame size refers to the cross sectional dimensions of the frame.
At the time of this release, 4.750" x 9.125" is sufficient for any pickup truck currently on the market.

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Quick & Effortless Inflation Power



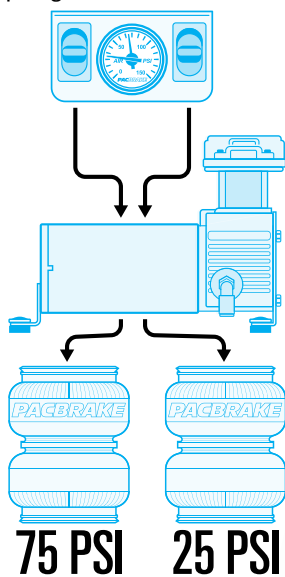
IN-CAB CONTROLS SYSTEMS

Operate your Air Springs (or other pneumatic accessories) right from the driver's seat with In-Cab Controls

ACTIVATION OPTIONS:

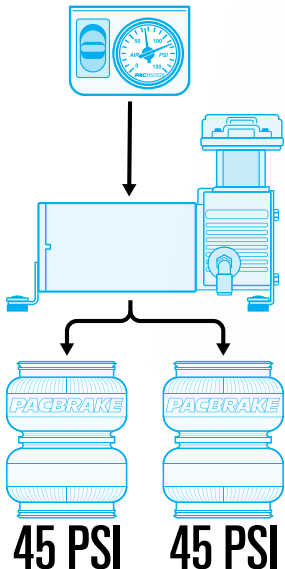
INDEPENDENT ACTIVATION

Inflation is achieved with two separate switches, allowing for individual inflation / deflation of air springs



SIMULTANEOUS ACTIVATION

Inflation is achieved with one switch that inflates / deflates both air springs at the same time.



AIR SUSPENSION



AIR HORNS



INFLATABLES



FLAT TIRES



SMALL AIR TOOLS



PERFECT FOR A MULTITUDE OF AIR APPLICATIONS!



ELECTRICAL IN-CAB CONTROL

Featuring a digital gauge or back-lit (dual or single) needle gauge, an ON/OFF compressor switch(es), inflation/deflation switch(es) for the air springs. Choose between simultaneous or independent air spring inflation.

In addition to a stackable solenoid block, each kit comes complete with a nylon hose, wire, fittings, fasteners, electrical terminals and in-line fuse holders.



PADDLE VALVE IN-CAB CONTROLS

An economical option for operating air springs with inflation/deflation switch(es) that attach directly to the HP325 series compressor and the air springs. Choose between simultaneous or independent air spring inflation. Available with a digital gauge or a back-lit needle gauge.

AIR SUSPENSION

AIR SPRING CONTROLS

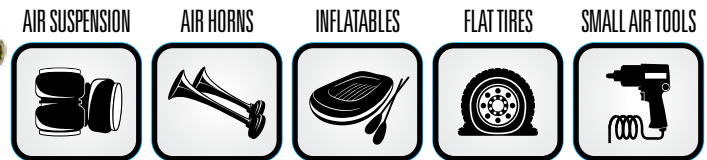
ONBOARD AIR

COMPONENTS

Mechanical In-Cab Controls



Set your ride height from the comfort of your driver's seat with Pacbrake's in-cab controls. Take your towing, hauling, 4x4'ing and all other onboard air management to the next level.



PREMIUM IN-CAB CONTROL KITS - MECHANICAL GAUGE

In-cab control kits come with everything you need to operate your air springs (or other pneumatic accessories) from the driver's seat. Various dash activation switch kits are available depending on your air spring operation requirements. 'Independent' inflation is achieved with 2 separate switches, allowing inflation/deflation of each air spring individually. 'Simultaneous' inflation uses a single switch that inflates/deflates both air springs at the same time.



HP10135

AIR SPRING DASH SWITCH (SIMULTANEOUS ACTIVATION)

HP325 AIR COMPRESSOR SPECIFICATIONS:

- 12 VDC
- 33% duty cycle (20 Minutes @ 100 psi), 1.2 CFM
- 150 psi max operating pressure, draws 18 amps

Air tank options: - ½ gallon air tank (HP10053)
- 2½ gallon air tank (HP10050)

***NOTE:** If adding an air tank, a pressure switch is required
HP10110 is for 105-135 psi, HP10111 is for 85-105 psi



HP10098

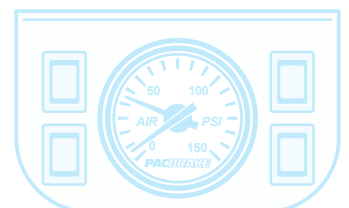
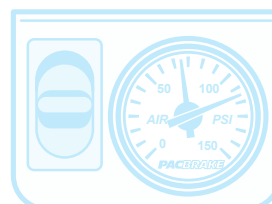
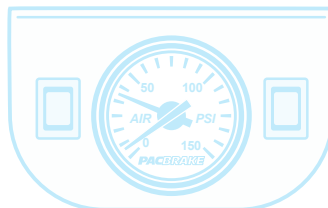
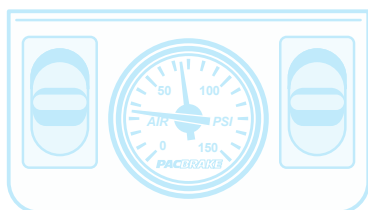
AIR SPRING DASH SWITCHES (INDEPENDENT ACTIVATION)

HP325 AIR COMPRESSOR SPECIFICATIONS:

- 12 VDC
- 33% duty cycle (20 Minutes @ 100 psi), 1.2 CFM
- 150 psi max operating pressure, draws 18 amps

Air Tank Options: - ½ gallon air tank (HP10053)
- 2½ gallon air tank (HP10050)

***NOTE:** If adding an air tank, a pressure switch is required
HP10110 is for 105-135 psi, HP10111 is for 85-105 psi



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AFTERMARKET BY
PACBRAKE

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

ELECTRICAL IN-CAB CONTROL KITS – MECHANICAL GAUGE

(FOR USE WITH EXISTING ONBOARD AIR)

These kits allow operation of your air springs either simultaneously or independently from the comfort of your driver's seat. Featuring back-lit dual needle gauge, an ON/OFF activation switch to control compressor operation, and switch(es) for inflation/deflation of the air springs.

Pacbrake's unique two way solenoid block gives you the option to stack and combine additional blocks to run your vehicle's air accessories from one central block.

In addition to the solenoid block, each kit comes complete with a nylon hose, wire, fittings, fasteners, electrical terminals and in-line fuse holders.



HP10022

SIMULTANEOUS ACTIVATION

SPECIFIC KIT INFO:

- Air spring inflation kit
- 12 VDC electric actuated two-way pneumatic solenoids
- Solenoids are stackable for multi-application use
- Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system



HP10062

INDEPENDENT ACTIVATION

SPECIFIC KIT INFO:

- Air spring inflation kit
- 12 VDC electric actuated two-way pneumatic solenoids
- Solenoids are stackable for multi-application use
- Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system

PADDLE VALVE IN-CAB CONTROL KITS – MECHANICAL GAUGE

(FOR USE WITH EXISTING ONBOARD AIR)

An economical option for operating air spring kits with a pneumatic dash switch(es) that attach directly to the tank and the air springs. Choose between simultaneous or independent air spring inflation/deflation.

- Simultaneous inflation is done with a single switch and inflates/deflates both air springs equally, at the same time.
- Independent inflation utilizes 2 separate switches, allowing one to inflate/deflate an air spring individually. Air tank and solenoid blocks are not required for this method of in-cab air control operation, however, should you decide to add an air tank for stored onboard air, you can do so by adding either our 1/2 gallon or 2 1/2 gallon air tank kit (HP10053/HP10050).



HP10133

SIMULTANEOUS ACTIVATION

This HP10133 dash activation kit is designed to integrate in-cab air spring control with a pre-existing air system

Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system.



HP10124

INDEPENDENT ACTIVATION

This HP10124 dash activation kit is designed to intergrate in-cab air spring control with a pre-existing air system

Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system.

Digital In-Cab Controls



Pacbrake digital in-cab control systems display pressure from 0psi to 220psi at 1 psi increments. They allow for continuous monitoring and adjusting of air spring pressure. Choose from independent or simultaneous control.

PREMIUM IN-CAB CONTROL KITS - DIGITAL GAUGE

In-cab control kits come with everything you need to operate your air springs (or other pneumatic accessories) from the driver's seat. Various dash activation switch kits are available depending on your air spring operation requirements. 'Independent' inflation allows inflation/deflation of each air spring individually. 'Simultaneous' inflation inflates/deflates both air springs at the same time.



HP10231

AIR SPRING DASH SWITCH (SIMULTANEOUS ACTIVATION)

HP325 AIR COMPRESSOR SPECIFICATIONS:

- 12 VDC
- 33% duty cycle (20 Minutes @ 100 psi), 1.2 CFM
- 150 psi max operating pressure, draws 18 amps

Air tank options: – ½ gallon air tank (HP10053)
– 2½ gallon air tank (HP10050)

***NOTE:** If adding an air tank, a pressure switch is required
HP10110 is for 105-135 psi, HP10111 is for 85-105 psi



HP10256

AIR SPRING DASH SWITCHES (INDEPENDENT ACTIVATION)

HP325 AIR COMPRESSOR SPECIFICATIONS:

- 12 VDC
- 33% duty cycle (20 Minutes @ 100 psi), 1.2 CFM
- 150 psi max operating pressure, draws 18 amps

Air Tank Options: – ½ gallon air tank (HP10053)
– 2½ gallon air tank (HP10050)

***NOTE:** If adding an air tank, a pressure switch is required
HP10110 is for 105-135 psi, HP10111 is for 85-105 psi



HP10274

AIR SPRING DASH SWITCH (SIMULTANEOUS ACTIVATION)

HP325 AIR COMPRESSOR SPECIFICATIONS:

- 12 VDC
- 33% duty cycle (20 Minutes @ 100 psi), 1.2 CFM
- 150 psi max operating pressure, draws 18 amps

Air tank options: – ½ gallon air tank (HP10053)
– 2½ gallon air tank (HP10050)

***NOTE:** If adding an air tank, a pressure switch is required
HP10110 is for 105-135 psi, HP10111 is for 85-105 psi



HP10273

AIR SPRING DASH SWITCHES (INDEPENDENT ACTIVATION)

HP325 AIR COMPRESSOR SPECIFICATIONS:

- 12 VDC
- 33% duty cycle (20 Minutes @ 100 psi), 1.2 CFM
- 150 psi max operating pressure, draws 18 amps

Air Tank Options: – ½ gallon air tank (HP10053)
– 2½ gallon air tank (HP10050)

***NOTE:** If adding an air tank, a pressure switch is required
HP10110 is for 105-135 psi, HP10111 is for 85-105 psi

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AFTERMARKET BY
PACBRAKE

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

BASIC ELECTRICAL IN-CAB CONTROL KITS – DIGITAL GAUGE

(FOR USE WITH EXISTING ONBOARD AIR)

These kits allow operation of your air springs either simultaneously or independently from the comfort of your driver's seat. Featuring a digital gauge, an ON/OFF activation switch to control compressor operation, and switch(es) for inflation/deflation of the air springs.

Pacbrake's unique two way solenoid block gives you the option to stack and combine additional blocks to run your vehicle's air accessories from one central block.

In addition to the solenoid block, each kit comes complete with a nylon hose, wire, fittings, fasteners, electrical terminals and in-line fuse holders.



HP10262

SIMULTANEOUS ACTIVATION

SPECIFIC KIT INFO:

- Air spring inflation kit
- 12 VDC electric actuated two-way pneumatic solenoids
- Solenoids are stackable for multi-application use
- Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system



HP10261

INDEPENDENT ACTIVATION

SPECIFIC KIT INFO:

- Air spring inflation kit
- 12 VDC electric actuated two-way pneumatic solenoids
- Solenoids are stackable for multi-application use
- Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system

BASIC PADDLE VALVE IN-CAB CONTROL KITS – DIGITAL GAUGE

(FOR USE WITH EXISTING ONBOARD AIR)

An economical option for operating air spring kits with a pneumatic dash switch(es) that attach directly to the tank and the air springs. Choose between simultaneous or independent air spring inflation/deflation.

- Simultaneous inflation is done with a single switch and inflates/deflates both air springs equally, at the same time.
- Independent inflation utilizes 2 separate switches, allowing one to inflate/deflate an air spring individually. Air tank and solenoid blocks are not required for this method of in-cab air control operation, however, should you decide to add an air tank for stored onboard air, you can do so by adding either our 1/2 gallon or 2 1/2 gallon air tank kit (HP10053/HP10050).



HP10281

SIMULTANEOUS ACTIVATION

SPECIFIC KIT INFO:

- Basic kit
- Features digital gauge and paddle Switch
- Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system



HP10272

INDEPENDENT ACTIVATION

SPECIFIC KIT INFO:

- Air spring inflation kit
- 12 VDC electric actuated two-way pneumatic solenoids
- Solenoids are stackable for multi-application use
- Use this kit in conjunction with one of our air tank kits and air compressor kits to build your own customizable onboard air system

Additional quality air products from a name you trust

Pacbrake offers a growing range of dependable air management products & customizable air management system solutions for your vehicle.



ONBOARD AIR SYSTEMS



AIR COMPRESSORS

HP325 SERIES - Our 1/4 HP air compressors have a 33% duty cycle (20 minutes @ 100 psi) and are offered in both 12 and 24 VDC.

HP425 SERIES - Our 1/4 HP air compressors have a 50% duty cycle (30 minutes on / 30 minutes off) and are offered in 12 VDC.

HP625 SERIES - Our 3/4 HP air compressors have a 100% duty cycle (1 Hour @ 100 psi) and are offered in two pump head configurations: vertical (available in 12 and 24 VDC) & horizontal (12 VDC).

All Pacbrake compressors have a max working pressure of 150 psi and are an oil-less design. They contain sealed bearings, a PTFE piston ring & a copper wire wound permanent magnet motor.



AIR TANKS

Available in three air tank sizes: 1/2 gallon (C11940), 2 1/2 gallon (HP10013) and 5 gallon (HP10014).

Choose from polished aluminum or steel tanks. All of our steel air tanks are painted and have a rust inhibitor internally applied. Each tank has a maximum working pressure of 150 psi (steel) or 200 psi (aluminum). Multiple NPT ports are provided for auto drains and various air accessories.

All of our air tank kits have welded on mounting brackets. Kits include a 25 ft coiled air hose & accessories.



Quick & Effortless Inflation Power

PERFECT FOR A MULTITUDE OF AIR APPLICATIONS!

AIR SUSPENSION	AIR HORNS	INFLATABLES	FLAT TIRES	SMALL AIR TOOLS

AIR SUSPENSION
AIR SPRING CONTROLS
ONBOARD AIR
COMPONENTS



AFTERMARKET BY
PACBRAKE

Onboard Air Kits & Compressor Kits

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

HP325 SERIES ONBOARD AIR KITS

Pacbrake onboard air systems are all 33% duty cycle (20 minutes @ 100 psi) and increase air volume depending on the tank size (for compressed air storage).

Each onboard air system comes complete with compressor, air tank, fittings, pressure switch, relay(s), electrical connectors and all applicable accessories.



HP10163 ONBOARD AIR KIT (WITH 1/2 GALLON AIR TANK)

Compressor Model: HP10143 (12 VDC)

KIT INCLUDES:

- 1/2 Gallon Air Tank (C11940)
- Curly Hose Air Accessory Kit (C11657)
- All necessary wiring, harnesses, fittings and fasteners



HP10164 ONBOARD AIR KIT (WITH 2 1/2 GALLON AIR TANK)

Compressor Model: HP10143 (12 VDC)

KIT ALSO INCLUDES:

- 2 1/2 Gallon Air Tank (HP10013)
- Curly Hose Air Accessory Kit (C11657)
- All necessary wiring, harnesses, fittings and fasteners

HP325 SERIES AIR COMPRESSOR KITS

Pacbrake's HP325 series air compressors have a 33% duty cycle (20 minutes @ 100 psi) and are offered in both 12 and 24 VDC. These 1/4 horsepower compressors have an oil-less design, sealed bearings, a PTFE piston ring, a copper wire wound permanent magnet motor and a hard anodized aluminum sleeve.

The Premium Air Compressor Kit offers pre-built wiring harnesses for the ultimate ease of installation.

- Sealed bearings
- Cast aluminum cylinder head
- Hard anodized aluminum cylinder
- PTFE piston ring
- Mountable in any orientation



HP10066 PREMIUM KIT 12VDC KIT

Compressor Model: HP10143 (12 VDC)

Compressor Size: 8.7" x 4" x 6.2" (LxWxH)

221 mm x 102 mm x 158 mm

Compressor Weight: 5.5 lbs [2.5 kg]



HP10142 BASIC 12VDC KIT

HP10151 BASIC 24VDC KIT

Compressor Model: HP10143 (12 VDC)

HP10139 (24 VDC)

Compressor Size: 8.7" x 4" x 6.2" (LxWxH)

221 mm x 102 mm x 158 mm

Compressor Weight: 5.5 lbs [2.5 kg]



HP10142-B BASIC 12VDC BLACK KIT

Compressor Model: HP10143-B (12 VDC)

Compressor Size: 8.7" x 4" x 6.2" (LxWxH)

221 mm x 102 mm x 158 mm

Compressor Weight: 5.5 lbs [2.5 kg]

Compressor Kits

HP625 SERIES AIR COMPRESSOR KITS

Pacbrake offers various kit options for the HP625 air compressor. The 'premium' kits come complete with pre-built wiring harnesses, for the ultimate ease of installation. All kits include an unloader block, which is required for the HP625 series air compressor when used with an air tank.



HP10631
BASIC 12 VDC (H)
Head Configuration: Horizontal
Compressor Model: HP10625H
Compressor Size (LxWxH)
 11.5" x 9.5" x 6"
 [293 mm x 242 mm x 153 mm]
Compressor Weight: 18.5 lbs [8.4 kg]



HP10628
PREMIUM 12 VDC KIT (H)
Head Configuration: Horizontal
Compressor Model: HP10625H
Compressor Size (LxWxH)
 11.5" x 9.5" x 6"
 [293 mm x 242 mm x 153 mm]
Compressor Weight: 18.5 lbs [8.4 kg]



HP10632
BASIC 12 VDC (V)
Head Configuration: Vertical
Compressor Model: HP10625V
Compressor Size (LxWxH)
 11.5" x 6" x 9.5"
 [293 mm x 153 mm x 242 mm]
Compressor Weight: 18.5 lbs [8.4 kg]



HP10629
PREMIUM 12 VDC KIT (V)
Head Configuration: Vertical
Compressor Model: HP10625V
Compressor Size (LxWxH)
 11.5" x 6" x 9.5"
 [293 mm x 153 mm x 242 mm]
Compressor Weight: 18.5 lbs [8.4 kg]



HP10633
BASIC 24 VDC (V)
Head Configuration: Vertical
Compressor Model: HP10625V-24
Compressor Size (LxWxH)
 11.5" x 6" x 9.5"
 [293 mm x 153 mm x 242 mm]
Compressor Weight: 18.5 lbs [8.4 kg]



HP10630
PREMIUM 24 VDC KIT (V)
Head Configuration: Vertical
Compressor Model: HP10625V-24
Compressor Size (LxWxH)
 11.5" x 6" x 9.5" (LxWxH)
 [293 mm x 153 mm x 242 mm]
Compressor Weight: 18.5 lbs [8.4 kg]



HP10116 (12 VDC)
HP10116-24 (24 VDC)
UNLOADER ASSEMBLY
(FOR USE WITH TANKS)
 The HP625 series compressor requires the use of an unloader assembly when used with an air tank



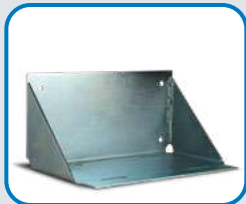
HP10115
OPTIONAL AIR INTAKE KIT
 HP10115 is designed for compressor installations with significant exposure to the elements

COMPRESSOR MOUNTING BRACKETS

These Universal Brackets can be mounted anywhere to keep your compressor safe and stable



HP10204
COMPRESSOR BRACKET - HP325 SERIES
Universal Brackets: Mount Anywhere
Size: 5.5" x 5.125" x 12" [140 mm x 130 mm x 305 mm] (LxWxH)
Weight: 4.1 lbs [1.86 kg]
Material: Zinc Plated Carbon Steel
Compressor Sold Separately



HP10205
COMPRESSOR BRACKET - HP625 SERIES
Universal Brackets: Mount Anywhere
Size: 6.125" x 7.25" x 12.25" [156 mm x 184 mm x 311 mm] (LxWxH)
Weight: 5.6 lbs [2.54 kg]
Material: Zinc Plated Carbon Steel
Compressor Sold Separately

AIR SUSPENSION
AIR SPRING CONTROLS
ONBOARD AIR
COMPONENTS



AFTERMARKET BY
PACBRAKE

Air Tank: Kits & Accessories

AIR TANK: KITS & ACCESSORIES

Working in conjunction with air compressors, air tanks store the compressed air and hold it until it is required. Storing compressed air allows for quicker product activation, especially when operating more than one product simultaneously. Pacbrake offers three air tank sizes to meet everyone's needs: a 1/2 gallon tank, a 2 1/2 gallon tank and a 5 gallon tank. Each premium air tank kit comes complete with an air tank, mounting fasteners, airline, fittings, air accessories, an air nozzle and more.

PREMIUM STEEL AIR TANK KITS



HP10053
1/2 GALLON AIR TANK KIT
TANK SPECIFICS (C11940):
Ports: 2 x 1/4" (-4) NPT
Rust Inhibitor: Applied to inside of tank
Max Working Pressure: 150 psi
Size: 6.4" x 5.5" x 6.5" (LxWxH)
[163 mm x 140 mm x 152 mm]
Weight: 3.4 lbs [1.54 kg]
Welded on Mounting Brackets



HP10051
5 GALLON AIR TANK KIT
TANK SPECIFICS (HP10014):
Ports: 5 x 1/4" (-4) NPT
Rust Inhibitor: Applied to inside of tank
Max Working Pressure: 150 psi
Size: 24.0" x 9.9" x 11.0" (LxWxH)
[610 mm x 251 mm x 279 mm]
Weight: 17.8 lbs [8.07 kg]
Welded on Mounting Brackets
** Not approved for use with an HP325 series compressor*



HP10050
2 1/2 GALLON AIR TANK KIT
TANK SPECIFICS (HP10013):
Ports: 5 x 1/4" (-4) NPT
Rust Inhibitor: Applied to inside of tank
Max Working Pressure: 150 psi
Size: 21.0" x 6.9" x 8.9" (LxWxH)
[533 mm x 175 mm x 203 mm]
Weight: 9.8 lbs [4.45 kg]
Welded on Mounting Brackets

BASIC STEEL AIR TANK KITS



HP10093
2 1/2 GALLON AIR TANK KIT
TANK SPECIFICS (HP10013):
Ports: 5 x 1/4" (-4) NPT
Rust Inhibitor: Applied to inside of tank
Max Working Pressure: 150 psi
Size: 21.0" x 6.9" x 8.9" (LxWxH)
[533 mm x 175 mm x 203 mm]
Weight: 9.8 lbs [4.45 kg]
Welded on Mounting Brackets



HP10094
5 GALLON AIR TANK KIT
TANK SPECIFICS (HP10014):
Ports: 5 x 1/4" (-4) NPT
Rust Inhibitor: Applied to inside of tank
Max Working Pressure: 150 psi
Size: 24.0" x 9.9" x 11.0" (LxWxH)
[610 mm x 251 mm x 279 mm]
Weight: 17.8 lbs [8.07 kg]
Welded on Mounting Brackets
** Not approved for use with an HP325 series compressor*

ACCESSORY KITS



C11657
AIR TANK CURLY HOSE & ACCESSORY KIT
A 25' curly hose with an assortment of accessories is easily stored in a heavy duty nylon bag. Just attach the curly hose to the quick disconnect chuck off of the air compressor (external air source) and perform a variety of jobs including: inflating tires, air mattresses, footballs, beach toys and blowing air (for cleaning, dusting, quick removal of debris) as well as checking air pressure



HP10302
AIR SPRING ACCUMULATOR TANK KIT
This kit increases the volume of your air spring system and reduces the harsh ride associated with some air springs
TANK SPECIFICS (C11940):
Ports: 2 x 1/4" (-4) NPT
Rust Inhibitor: Applied to inside of tank
Max Working Pressure: 150 psi
Size: 6.4" x 5.5" x 6.5" (LxWxH)
[163 mm x 140 mm x 152 mm]
Weight: 3.4 lbs [1.54 kg]
Welded on Mounting Brackets

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



ALUMINUM AIR TANK KITS

Pacbrake's polished aluminum tanks are made with less corrosive and lighter material than the standard steel tanks. These tanks also work in conjunction with air compressors to store the compressed air and hold it until it is required. This allows for quicker activation, especially when operating more than one product simultaneously. Pacbrake offers three air tank sizes: a 1/2 gallon tank, a 2 1/2 gallon tank and a 5 gallon tank. Each premium air tank kit comes complete with an air tank, mounting fasteners, airline, fittings, air accessories, an air nozzle and more.

PREMIUM ALUMINUM AIR TANK KITS



HP10266
1/2 GALLON AIRTANK KIT
TANK SPECIFICS (HP10257):
Ports: 2 x 1/4" (-4) NPT
Max Working Pressure: 200 psi
Size: 8.4" x 5.9" x 7.1" (LxWxH)
 [213.05 mm x 150 mm x 180 mm]
Weight: 1.98 lbs [0.9 kg]
Welded on Mounting Brackets



HP10268
5 GALLON AIRTANK KIT
TANK SPECIFICS (HP10259):
Ports: 2 x 3/8" (-6) NPT
 2 x 1/4" (-4) NPT
Max Working Pressure: 200 psi
Size: 20.1" x 9.2" x 10.3" (LxWxH)
 [510 mm x 234 mm x 262 mm]
Weight: 7.9 lbs [3.6 kg]
Welded on Mounting Brackets
** Not approved for use with an HP325 series compressor*



HP10267
2 1/2 GALLON AIRTANK KIT
TANK SPECIFICS (HP10258):
Ports: 6 x 1/4" (-4) NPT
Max Working Pressure: 200 psi
Size: 23.3" x 5.9" x 7.3" (LxWxH)
 [592 mm x 150 mm x 186 mm]
Weight: 4.9 lbs [2.2 kg]
Welded on Mounting Brackets

BASIC ALUMINUM AIR TANK KITS



HP10263
1/2 GALLON AIRTANK KIT
TANK SPECIFICS (HP10257):
Ports: 2 x 1/4" (-4) NPT
Max Working Pressure: 200 psi
Size: 8.4" x 5.9" x 7.1" (LxWxH)
 [213.05 mm x 150 mm x 180 mm]
Weight: 1.98 lbs [0.9 kg]
Welded on Mounting Brackets



HP10265
5 GALLON AIRTANK KIT
TANK SPECIFICS (HP10259):
Ports: 2 x 3/8" (-6) NPT
 2 x 1/4" (-4) NPT
Max Working Pressure: 200 psi
Size: 20.1" x 9.2" x 10.3" (LxWxH)
 [510 mm x 234 mm x 262 mm]
Weight: 7.9 lbs [3.6 kg]
Welded on Mounting Brackets
** Not approved for use with an HP325 series compressor*



HP10264
2 1/2 GALLON AIR TANK KIT
TANK SPECIFICS (HP10258):
Ports: 6 x 1/4" (-4) NPT
Max Working Pressure: 200 psi
Size: 23.3" x 5.9" x 7.3" (LxWxH)
 [592 mm x 150 mm x 186 mm]
Weight: 4.9 lbs [2.2 kg]
Welded on Mounting Brackets

Air Spring Specifications



SINGLE CONVOLUTED AIR SPRING

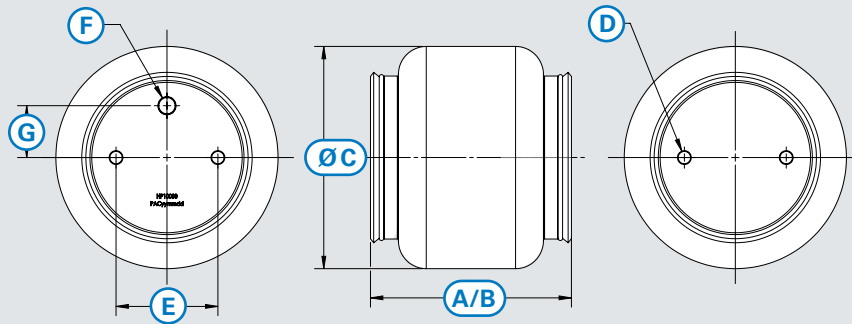
- 6061-T6 aluminum black anodized end caps
- Nylon reinforced rubber air spring
- 20 reinforcement wires



HP10083

- A Working Height:** 1.9" to 7.1" [48.3 mm to 180.3 mm]
- B Free Height:** 5.43" [137.8 mm]
- C Maximum Diameter:** 7" [177.8 mm]
- D Mounting Hole Callout:** 4 x 3/8" - 24
- E Mounting Hole Spacing:** 2 x 2.75" [69.9 mm]
- F Port Callout:** 1/4" (-4) NPT
- G Port Spacing:** 1.40" [35.6 mm]

SPECIFICATIONS	
CLEARANCE:	.5" [12.7 mm] radial clearance required around air spring to avoid abrasion or puncture
INFLATION PRESSURE:	5 psi to 100 psi [34.5 kPa to 690 kPa] <i>Note: maintain a minimum of 5 psi [34 kPa] in air springs at all times</i>
MAXIMUM WORKING LOAD:	2446 lbf [10.9 kN]
WORKING TEMPERATURE RANGE:	-40°F to 158°F [-40°C to 70°C]



DOUBLE CONVOLUTED AIR SPRING

- 6061-T6 aluminum black anodized end caps
- Nylon reinforced rubber air spring
- 20 reinforcement wires



HP10000D

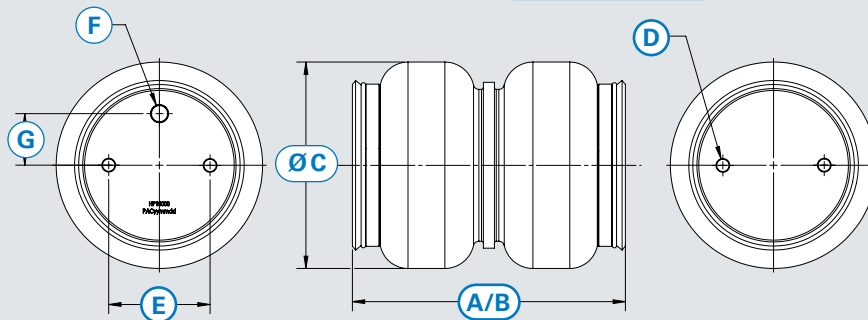
- A Working Height:** 3.0" to 8.4" [76.2 mm to 213.4 mm]
- B Free Height:** 7.41" [188.1 mm]
- C Maximum Diameter:** 6.30" [160 mm]
- D Mounting Hole Callout:** 4 x 3/8" - 24
- E Mounting Hole Spacing:** 2 x 2.75" [69.9 mm]
- F Port Callout:** 1/4" (-4) NPT
- G Port Spacing:** 1.40" [35.6 mm]



HP10068

- A Working Height:** 2.9" to 9.5" [73.7 mm to 241.3 mm]
- B Free Height:** 7.35" [186.7 mm]
- C Maximum Diameter:** 7.24" [184 mm]
- D Mounting Hole Callout:** 4 x 3/8" - 24
- E Mounting Hole Spacing:** 2 x 2.75" [69.9 mm]
- F Port Callout:** 3/8" (-6) NPT
- G Port Spacing:** 1.40" [35.6 mm]

SPECIFICATIONS	
CLEARANCE:	.5" [12.7 mm] radial clearance required around air spring to avoid abrasion or puncture
INFLATION PRESSURE:	5 psi to 100 psi [34.5 kPa to 690 kPa] <i>Note: maintain a minimum of 5 psi [34 kPa] in air springs at all times</i>
MAXIMUM WORKING LOAD:	HP10000 - 2446 lbf [10.9 kN] HP10068 - 2660 lbf [11.8 kN]
WORKING TEMPERATURE RANGE:	-40°F to 158°F [-40°C to 70°C]

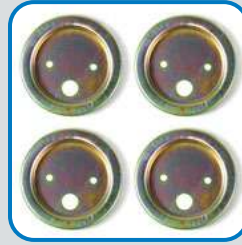
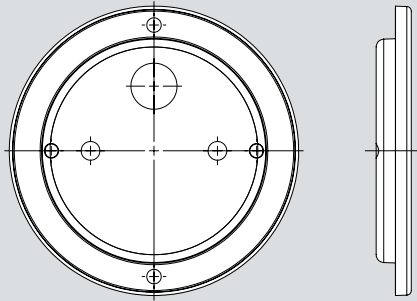


Air Spring Specifications

ROLL PLATES

Note: For use with double convoluted air springs

- Provides a landing surface when bellows roll over end-caps during compression
- .075" [2 mm] thick carbon steel
- Electroplated for corrosion resistance



HP10054

For use with Air Springs: HP10000D
HP10083



HP10069

For use with Air Springs: HP10068

SPACER KITS

NOTE: For use with double and single convoluted air springs

- Install with air springs to add additional height for "lifted" vehicles
- Bolt pattern compatible with all single and double convoluted Pacbrake air springs
- Powder coated low carbon steel construction
- .120" tube, .250" plate, .200" welds
- Mounting hardware included



HP10156

6" SPACER

A Height: 6" [152.4 mm]
B Diameter: 4" [101.6 mm]
C Mounting Hole Callout: 2 x 3/8"-24 thru
D Mounting Hole Callout: 2 x 7/16" thru



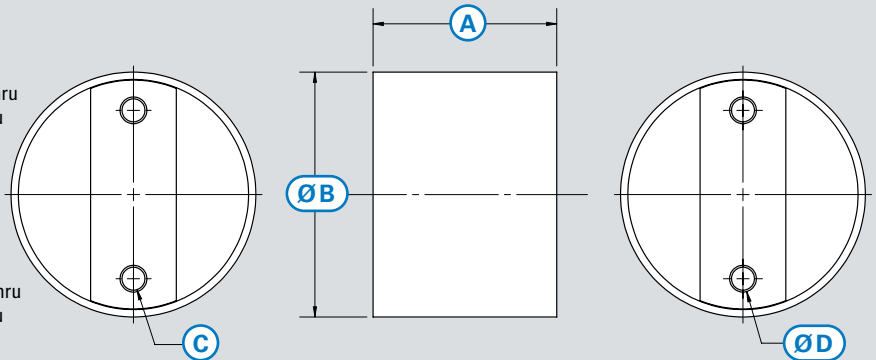
HP10152
2" SPACER

A Height: 2" [50.8 mm]
B Diameter: 4" [101.6 mm]
C Mounting Hole Callout: 2 x 3/8"-24 thru
D Mounting Hole Callout: 2 x 7/16" thru



HP10154
4" SPACER

A Height: 4" [101.6 mm]
B Diameter: 4" [101.6 mm]
C Mounting Hole Callout: 2 x 3/8"-24 thru
D Mounting Hole Callout: 2 x 7/16" thru



HARDWARE

- Hex head and carriage bolts - Grade 5 strength equivalence (where applicable), zinc chromate plated
- Flat head and button head cap screws - ASME B18.3, ASTM F835, black phosphate
- U-bolts - Grade 2 strength equivalence, zinc chromate plated



AFTERMARKET BY
PACBRAKE

SLEEVE STYLE AIR SPRING

- 6061-T6 aluminum black anodized end caps
- Nylon reinforced rubber air spring

SPECIFICATIONS

CLEARANCE:	.5" [12.7 mm] radial clearance required around air spring to avoid abrasion or puncture
INFLATION PRESSURE:	5 psi to 100 psi [34.5 kPa to 690 kPa] <i>Note: maintain a minimum of 5 psi [34 kPa] in air springs at all times</i>
MAXIMUM WORKING LOAD:	900 lbf [4 kN]
WORKING TEMPERATURE RANGE:	-40°F to 158°F [-40°C to 70°C]



HP10185

- A Extended Height:** 9.88" [251 mm]
- B Compressed Height:** 2.95" [75 mm]
- C Maximum Diameter:** 5.10" [130 mm]
- D Upper Mounting Thread Callout:** 3/4" - 16
- E Lower Mounting Thread Callout:** 1/2" - 13
- F Port Callout:** 1/8" (-2) NPT



HP10173

- A Extended Height:** 11.73" [298 mm]
- B Compressed Height:** 4.17" [106 mm]
- C Maximum Diameter:** 5.10" [130 mm]
- D Upper Mounting Thread Callout:** 3/4" - 16
- E Lower Mounting Thread Callout:** 1/2" - 13
- F Port Callout:** 1/8" (-2) NPT



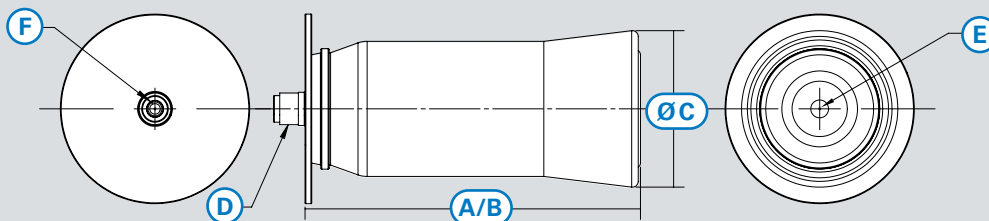
HP10199

- A Extended Height:** 9.65" [245 mm]
- B Compressed Height:** 2.95" [75 mm]
- C Maximum Diameter:** 5.10" [130 mm]
- D Upper Mounting Thread Callout:** 3/4" - 16
- E Lower Mounting Thread Callout:** 1/2" - 13
- F Port Callout:** 1/8" (-2) NPT



HP10001

- A Extended Height:** 13.86" [352 mm]
- B Compressed Height:** 5.16" [131 mm]
- C Maximum Diameter:** 5.10" [130 mm]
- D Upper Mounting Thread Callout:** 3/4" - 16
- E Lower Mounting Thread Callout:** 1/2" - 13
- F Port Callout:** 1/8" (-2) NPT



Air Spring Controls Specifications

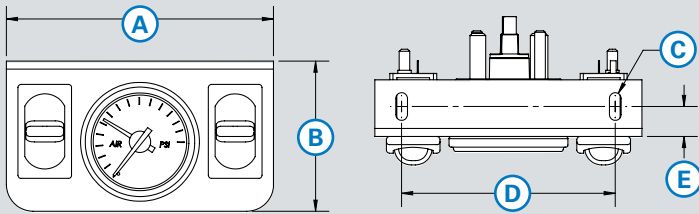
IN-CAB CONTROL ASSEMBLY – MECHANICAL GAUGE

■ Requires a minimum of 6" [101.6mm] clearance behind bracket for routing of air lines

HP0098 GAUGE ASSEMBLY CONTENTS		
PART #	DESCRIPTION	QUANTITY
HP0096	Bracket – Dual Paddle Valve	1
HP10010	Double Input Needle Gauge	1
HP1204	Paddle Switch	2



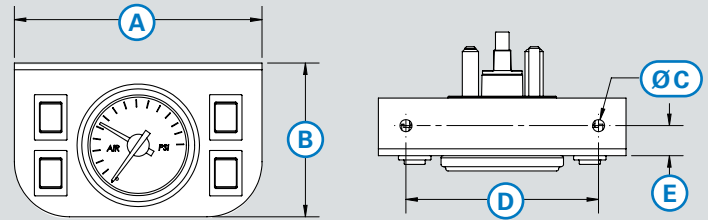
HP0098
INDEPENDENT INFLATION
 DUAL INPUT, DUAL PADDLE VALVE
 A: 5.00" [127.0mm]
 B: 2.81" [71.4mm]
 C: .22" x .52" [5.6mm x 13.2mm]
 D: 4" [101.6mm]
 E: .56" [14.26mm]



HP0084 GAUGE ASSEMBLY CONTENTS		
PART #	DESCRIPTION	QUANTITY
HP1158	Bracket – Quadruple Electrical Switch	1
HP10010	Double Input Needle Gauge	1
HP1039	3-Way Electrical Switch	2
HP1127	2-Way Electrical Switch	2



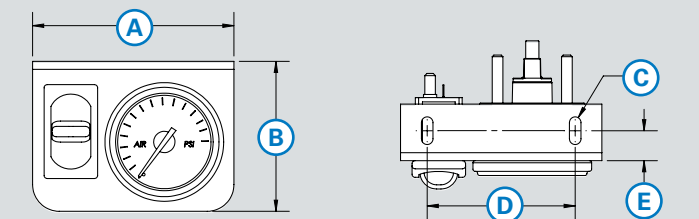
HP0084
INDEPENDENT INFLATION
 DUAL INPUT, QUADRUPLE ELECTRICAL SWITCH
 A: 4.5" [114.3mm]
 B: 2.8" [71.0mm]
 C: .22" [5.6mm]
 D: 3.5" [88.9mm]
 E: .55" [13.85mm]



HP0117 GAUGE ASSEMBLY CONTENTS		
PART #	DESCRIPTION	QUANTITY
HP0097	Bracket – Single Paddle Valve	1
HP20520	Single Input Needle Gauge	1
HP1204	Paddle Switch	1



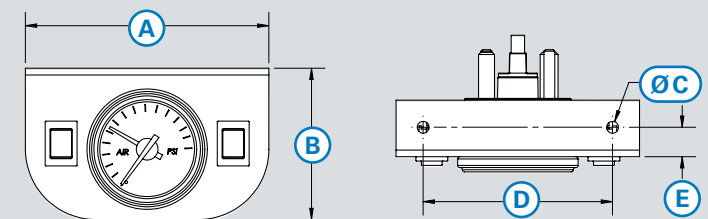
HP0117
SIMULTANEOUS INFLATION
 SINGLE INPUT, SINGLE PADDLE VALVE
 A: 3.78" [95.9mm]
 B: 2.81" [71.4mm]
 C: .22" x .52" [5.6mm x 13.2mm]
 D: 2.78" [70.49mm]
 E: .56" [14.26mm]



HP0089 GAUGE ASSEMBLY CONTENTS		
PART #	DESCRIPTION	QUANTITY
HP1157	Bracket – Dual Electrical Switch	1
HP20520	Single Input Needle Gauge	1
HP1039	3-Way Electrical Switch	1
HP1127	2-Way Electrical Switch	1



HP0089
SIMULTANEOUS INFLATION
 DUAL INPUT, DUAL ELECTRICAL SWITCH
 A: 4.5" [114.3mm]
 B: 2.8" [71.0mm]
 C: .22" [5.6mm]
 D: 2.07" [52.6mm]
 E: .55" [13.85mm]





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PACBRAKE

IN-CAB CONTROL ASSEMBLY – DIGITAL GAUGE

■ Requires a minimum of 6" [101.6mm] clearance behind bracket for routing of air lines

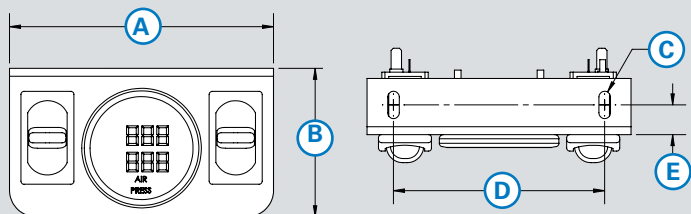
GAUGE ASSEMBLY CONTENTS

PART #	DESCRIPTION	QUANTITY
HP0096	Bracket – Dual Paddle Valve	1
HP10218	Digital Air Gauge	1
HP1204	Paddle Switch	2



INDEPENDENT INFLATION DUAL INPUT, DUAL PADDLE VALVE (ORDER PARTS SEPARATELY)

- A: 5.00" [127.0mm]
- B: 2.81" [71.4mm]
- C: .22" x .52" [5.6mm x 13.2mm]
- D: 4" [101.6mm]
- E: .56" [14.26mm]



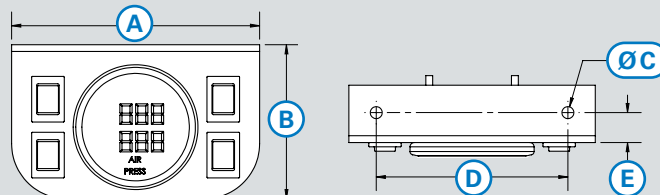
HP10269 GAUGE ASSEMBLY CONTENTS

PART #	DESCRIPTION	QUANTITY
HP1158	Bracket – Quadruple Electrical Switch	1
HP10275	Digital Air Gauge	1
HP1039	3-Way Electrical Switch	2
HP1127	2-Way Electrical Switch	2



HP10269 INDEPENDENT INFLATION DUAL INPUT, QUADRUPLE ELECTRICAL SWITCH

- A: 4.5" [114.3mm]
- B: 2.8" [71.0mm]
- C: .22" [5.6mm]
- D: 3.5" [88.9mm]
- E: .55" [13.85mm]



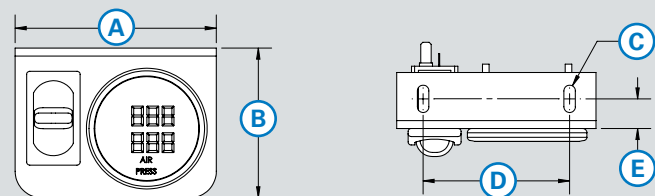
GAUGE ASSEMBLY CONTENTS

PART #	DESCRIPTION	QUANTITY
HP0097	Bracket – Single Paddle Valve	1
HP10218	Digital Air Gauge	1
HP1204	Paddle Switch	



SIMULTANEOUS INFLATION SINGLE INPUT, SINGLE PADDLE VALVE (ORDER PARTS SEPARATELY)

- A: 3.78" [95.9mm]
- B: 2.81" [71.4mm]
- C: .22" x .52" [5.6mm x 13.2mm]
- D: 2.78" [70.49mm]
- E: .56" [14.26mm]



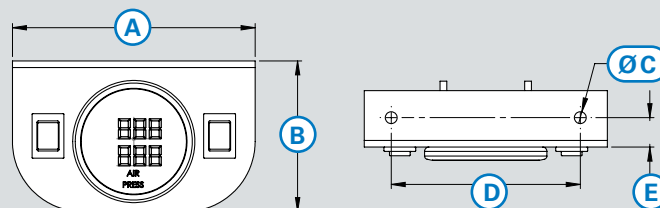
HP10280 GAUGE ASSEMBLY CONTENTS

PART #	DESCRIPTION	QUANTITY
HP1157	Bracket – Dual Electrical Switch	1
HP10275	Digital Air Gauge	1
HP1039	3-Way Electrical Switch	1
HP1127	2-Way Electrical Switch	1



HP10280 SIMULTANEOUS INFLATION DUAL INPUT, DUAL ELECTRICAL SWITCH

- A: 4.5" [114.3mm]
- B: 2.8" [71.0mm]
- C: .22" [5.6mm]
- D: 2.07" [52.6mm]
- E: .55" [13.85mm]



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

Air Spring Controls Specifications

MECHANICAL AIR GAUGES

- Air pressure shown from 0 psi to 150 psi in 10 psi increments – numeric markings at 0, 50, 100 & 150 psi
- Black bezel, white dial face
- Available with single input (single needle), or dual input (dual needle)
- Installation hole $\varnothing 2\text{-}1/16"$ [$\varnothing 52.5$ mm] (Gauge body min 2", bezel max 2.2")
- Mounting hardware provided



HP10010 DUAL NEEDLE

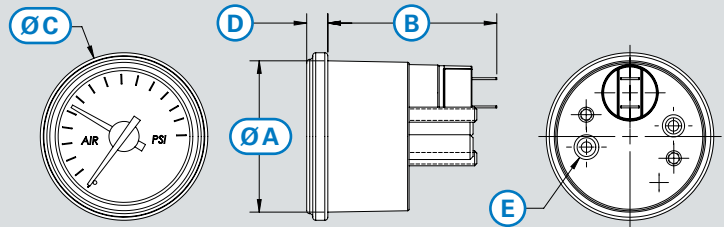
- A: 2.01" [51.1 mm]
- B: 2.25" [57 mm]
- C: 2.23" [56.5 mm]
- D: .28" [7.1 mm]
- E: 2 x 1/8" (-2) NPT Male



HP20520 SINGLE NEEDLE

- A: 2.01" [51.1 mm]
- B: 2.25" [57 mm]
- C: 2.23" [56.5 mm]
- D: .28" [7.1 mm]
- E: 1 x 1/8" (-2) NPT Male

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	0 psi to 150 psi [0 kPa to 1034 kPa]
ACCURACY:	+/- 3 psi [+/- 21 kPa]
WORKING TEMPERATURE RANGE:	-20°F to 175°F [-29°C to 79°C]
VIBRATION:	.030" harmonic motion, 20 Hz to 60 Hz for 1/3 hour per axis
SHOCK:	44 g to 55 g, 9 ms to 13 ms half sine, 25 shocks
HUMIDITY:	48 hours at 95% R.H. and 100°F [38°C]
SALT SPRAY (BEZEL FACE):	ASTM 117, 48 hours



DIGITAL AIR GAUGE KITS

- Pressure shown from 0 psi to 220 psi – 1 psi increments
- 12 VDC supply voltage, 3 A fuse required within 20" [500 mm] of power source
- Black bezel, black face, blue digits – two stage dimming feature – can dim when headlight switch is engaged
- If signal is lost, display will flash as a warning
- Installation hole $\varnothing 2\text{-}1/16"$ [$\varnothing 52.5$ mm]
- 24" [600 mm] wire pigtail extending from gauge
- EMC Tested – CE certified



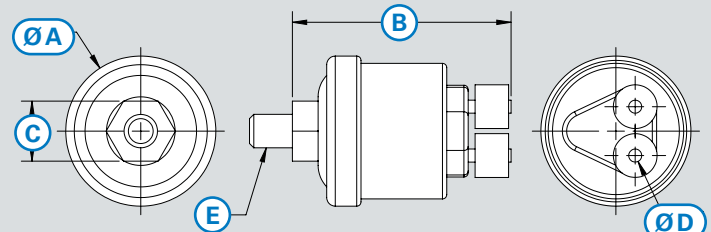
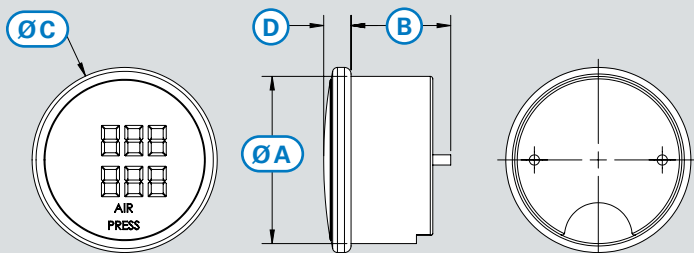
HP10218 KIT* DUAL INPUT

- A: 2.05" [51.9 mm]
 - B: 1.22" [31 mm]
 - C: 2.27" [57.5 mm]
 - D: .34" [8.5 mm]
- *Kit includes gauge & 2 HP10219 sensors



HP10219 AIR PRESSURE SENSOR

- A: 1.75" [44.5 mm]
- B: 2.55" [64.8 mm]
- C: .70" [17.8 mm]
- D: 2 x .15" [2 x 3.9 mm]
- E: 1/8" (-2) NPT Male



PADDLE VALVE (PNEUMATIC SWITCHES)

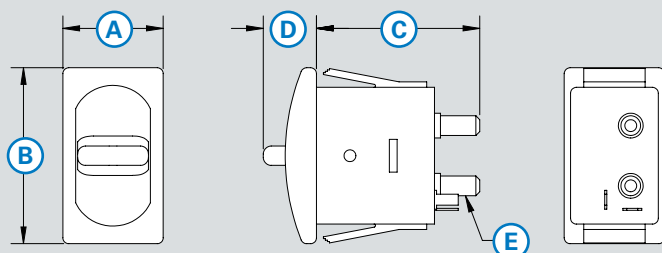
- 3-way dead center paddle style actuator
- 27.5° throw
- Black thermoplastic construction – meets FMVSS 302 flammability requirements
- Supply and delivery ports: barbed fitting – accepts 3/16" ID tube – vented to atmosphere through rear of switch
- Fits .89" x 1.61" [22.6mm x 40.9 mm] openings, R.063" [R1.6mm] max corner radii, .084" to .125" [2.13mm to 3.18mm] panel thickness
- Rated for steady state direct current (DC) of 7.5 A maximum
- Maximum voltage of 15 VDC at zero current
- Maximum 25% duty cycle – maximum "on" time 60 seconds
- Voltage drop across lead wire terminal will not exceed 0.52 VDC at 7 A direct current
- 24" [609 mm] wire leads

SPECIFICATIONS

MAXIMUM WORKING PRESSURE:	150 psi [1,034 kPa]
BLOW OFF PRESSURE AND MINIMUM FLOW RATE:	30 SFCM @ 150 psi [850 L/min @ 1,034 kPa]
TEMPERATURE RANGE:	-40°F to 165°F [-25°C to 120°C]



HP1204
3 POSITION (ON)-OFF-(ON)
A: 1.00" [25.4mm]
B: 1.78" [45.2mm]
C: 1.63" [41.4mm]
D: .56" [14.2mm]
E: Accepts 3/16" ID Tubing



ELECTRICAL SWITCHES

- Snap-in mounting
- Fit .520" x .776" [13.2mm x 19.7mm] openings
- .187" [4.75mm] wide blade terminals
- Plastic body

SPECIFICATIONS

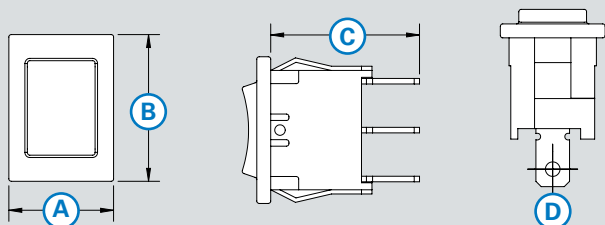
WORKING TEMPERATURE: -4°F to 185°F [-20°C to 85°C]



HP1039
3 POSITION SPDT
MOMENTARY
(ON)-OFF-(ON)
Rating: 16 A @ 125 VAC, 10A @ 250 VA
A: .59" [15.0mm]
B: .83" [21.0mm]
C: .85" [21.5mm]
D: .187" [4.75mm]



HP1127
ON-OFF 2 POSITION SPST
(ILLUMINATES RED WHEN ON)
Rating: 10 A @ 12 VDC
A: .59" [15.0mm]
B: .83" [21.0mm]
C: .85" [21.5mm]
D: .187" [4.75mm]



BRACKETS

- Any Pacbrake gauge can be used with any bracket
- 14 gauge steel
- Matte black



HP0096
DUAL PADDLE VALVE
Accepted Switches: HP1204



HP0097
SINGLE PADDLE VALVE
Accepted Switches: HP1204



HP1158
QUADRUPLE ELECTRICAL SWITCH
Accepted Switches: HP1039
HP1127



HP1157
DUAL ELECTRICAL SWITCH
Accepted Switches: HP1039
HP1127

Solenoid Specifications

SOLENOID OPERATED PNEUMATIC DIRECTIONAL CONTROL VALVES

Pacbrake offers various vacuum and air solenoid configurations to meet any specialty requirement or mounting location. Our engineered commercial-duty and severe-duty solenoids have been through some of the toughest testing grounds the world has to offer.

Pacbrake's experience designing cost effective hydraulic and pneumatic solenoids with demanding requirements has equipped Pacbrake with the experience to integrate solenoid controls into any application.



KEY FEATURES

- Vacuum and air solenoids
- 2 and 3 way solenoid configurations
- Stackable applications available
- 12 and 24 volt solenoids rated for automotive use
- Severe-duty applications

3-WAY, 2-POSITION

- 'IN' port normally closed
- 'CYL' port normally open to exhaust (atmosphere)
- 18" [457 mm] long 18 AWG wire lead length
- Anodized aluminum valve body
- Zinc chromate plated carbon steel solenoid body

SPECIFICATIONS

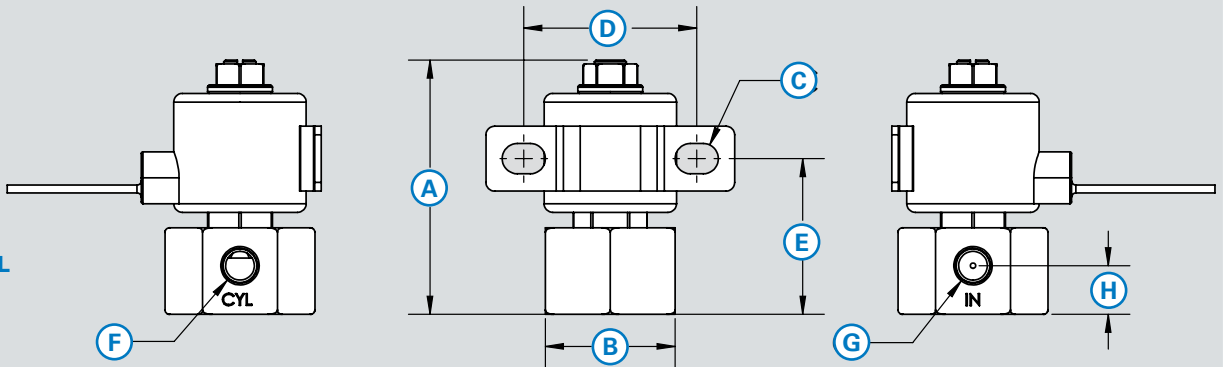
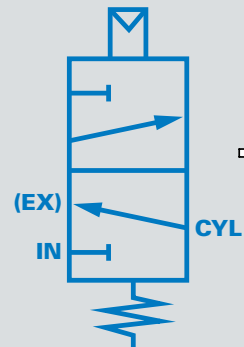
WORKING TEMPERATURE RANGE:	-40°F to 185°F [-40°C to 85°C]
MAXIMUM WORKING PRESSURE:	0 psi to 150 psi [0 kPa to 1034 kPa]
ORIFICE SIZE:	2 x 3/32" [2 x 2.38 mm]



C11935 PNEUMATIC SOLENOID
Voltage Range: 12 VDC
Coil Resistance: 10 Ω
A: 2.91" [74.0 mm]
B (Hex): 1.50" [38.1 mm]
C: .35" X .50" [8.9 mm X 12.7 mm]
D: 2.00" [50.8 mm]
E: 1.8" [45.7 mm]
F (Port): 1/8"-27 (-2) NPTF
G (Port): 1/8"-27 (-2) NPTF
H: .563" [14.3 mm]



C11979 PNEUMATIC SOLENOID
Voltage Range: 24 VDC
Coil Resistance: 50 Ω
A: 2.91" [74.0 mm]
B (Hex): 1.50" [38.1 mm]
C: .35" X .50" [8.9 mm X 12.7 mm]
D: 2.00" [50.8 mm]
E: 1.8" [45.7 mm]
F (Port): 1/8"-27 (-2) NPTF
G (Port): 1/8"-27 (-2) NPTF
H: .563" [14.3 mm]



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

4-WAY, 2-POSITION

- 6 Watt
- .5 Amps current holding
- Spring return with flush non-locking override
- 1/8" (-2) NPTF
- Lubricant free assembly
- Loctite applied to fasteners
- Energize time: 0.012 ms
- De-energize time: 0.006 sec
- Designed to meet NEMA 4/IP65
- Flow capacity: 197 NI/m @ 6 bar upstream /5 bar downstream [9.3 SCM @ 80 psig upstream/atmosphere downstream]
- 15" [457 mm] long 18 AWG pigtail



C11829

LIGHT DUTY SOLENOID

Voltage Range: 12 VDC

Coil Resistance: 25 Ω

A: 3.14" [79.8 mm]

B: 1.19" [30.2 mm]

C: .90" [22.9 mm]

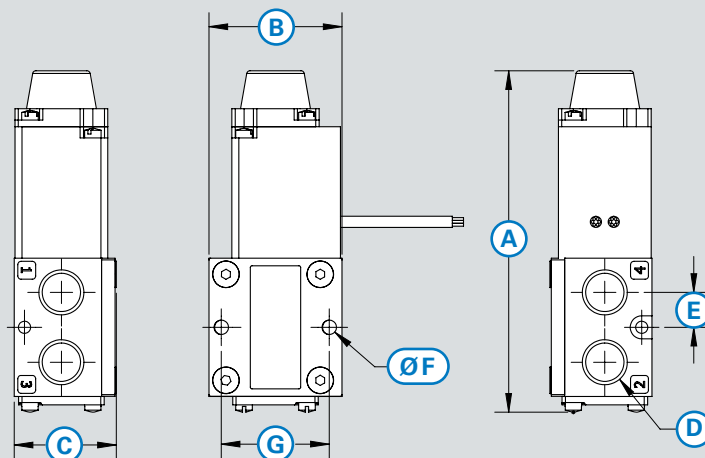
D: 4 x 1/8" (-2) NPTF

E: 4 x .31" [4 x 7.9 mm]

F: 3 x .11" [3 x 2.8 mm] Thru

G: .97" [24.6 mm]

SPECIFICATIONS	
WORKING TEMPERATURE RANGE:	-40°F to 185°F [-40°C to 85°C]
WORKING PRESSURE:	28" Hg to 150 psig [Vacuum to 10 bar]
FLOW RATE:	Cv 0.20



3-WAY, 2-POSITION

- Direct acting, spring return
- Inlet – normally closed, Cyl – normally open to vent (atmosphere)
- 1/4" (-4) NPTF IN and CYL port
- 6" [152 mm] long 18 AWG (UL 3173) pigtail
- Brass solenoid base
- Zinc chromate plated carbon steel solenoid body
- 1N4006 internal suppression diode
- NEMA 1 Protection



C10611

HEAVY DUTY SOLENOID

Voltage Range: 24 VDC

Coil Resistance: 36 to 45 Ω

Max Power: 14 Watts

A: 3.052" [77.5 mm]

B: 1.560" [39.6 mm]

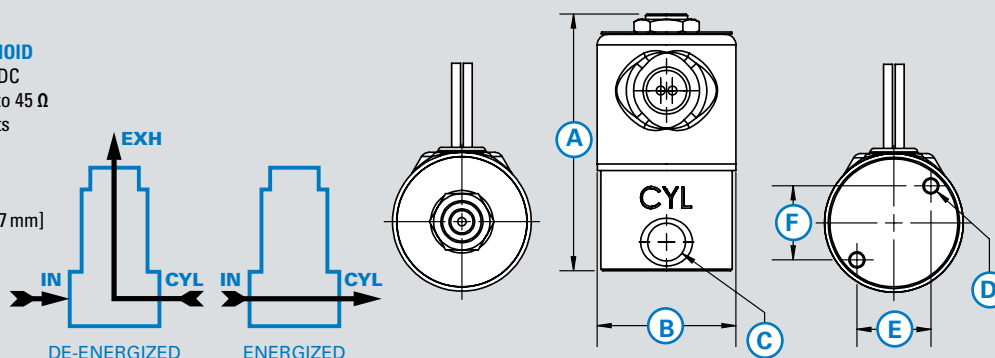
C: 2 x 1/4" (-4) NPT

D: 10-32 UNF .380 [9.7 mm]

E: .880" [22.4 mm]

F: .880" [22.4 mm]

SPECIFICATIONS	
WORKING TEMPERATURE RANGE:	-40°F to 248°F [-40°C to 120°C]
MAXIMUM WORKING PRESSURE:	0 psi to 135 psi [0 kPa to 931 kPa]
FLOW RATE	Cv 0.18
PROOF PRESSURE:	500 psi [3448 kPa]
BURST PRESSURE:	6000 psi [41369 kPa]
ORIFICE SIZE:	2 x 3/32" [1.52+/-0.08 mm x 2.38 mm]
MAX FREQUENCY:	300 Cpm
RESPONSE TIME:	5-15 ms



Compressor Specifications

HP325 SERIES AIR COMPRESSORS

Pacbrake's HP325 series air compressors have a 33% (20 minutes @ 100 psi) duty cycle and are offered in both 12 and 24 VDC. These ¼ horsepower compressors utilize an oil-less design, sealed bearings, a PTFE piston ring, a copper wire wound permanent magnet motor and a hard anodized aluminum sleeve.

The Premium Air Compressor Kit offers pre-built wiring harnesses for the ultimate ease in installation.

- Sealed bearings
- Cast aluminum cylinder head
- Hard anodized aluminum cylinder
- PTFE piston ring
- Mountable in any orientation



HP10143
HP325 12 VDC AIR COMPRESSOR
Duty Cycle: 33% (20 Minutes @ 100 psi)
Max Working Pressure: 150 psi [1034 kPa]
Voltage: 12 VDC
Size: 8.7" x 4" x 6.2" (LxWxH)
 [221 mm x 102 mm x 158 mm]
Weight: 5.5 lbs [2.49 kg]

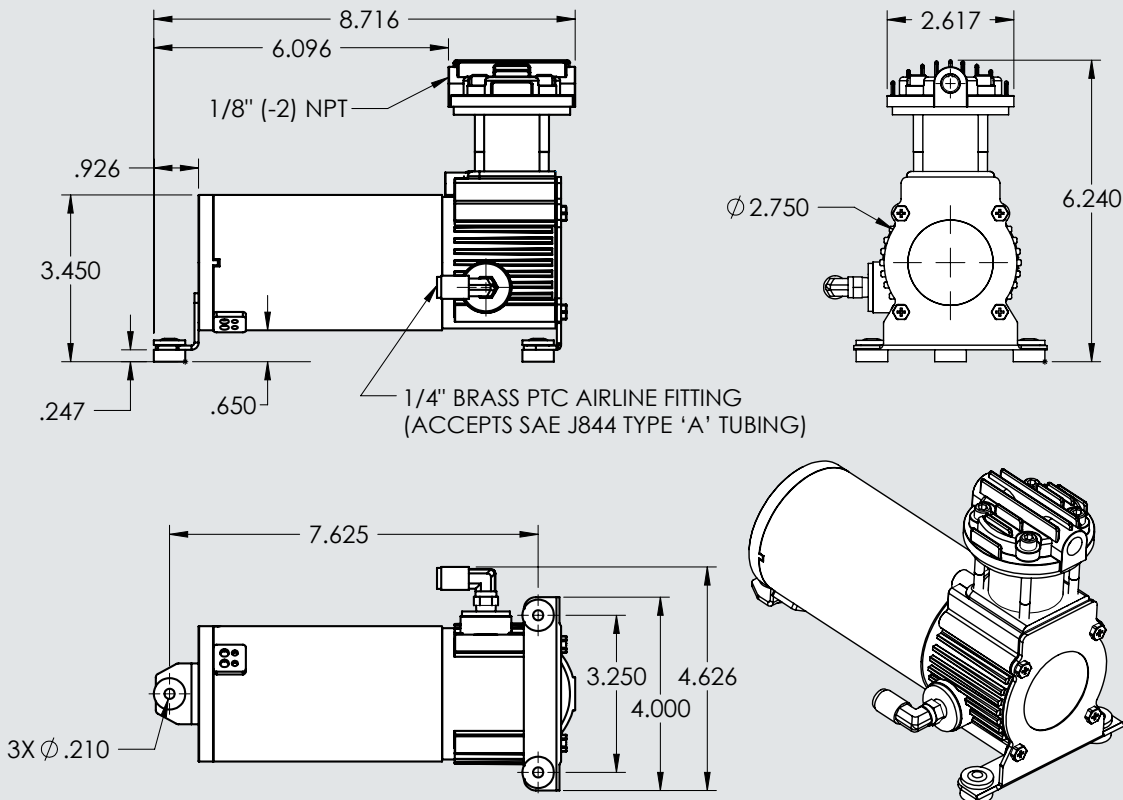


HP10143-B
HP325 12 VDC AIR COMPRESSOR
Duty Cycle: 33% (20 Minutes @ 100 psi)
Max Working Pressure: 150 psi [1034 kPa]
Voltage: 12 VDC
Size: 8.7" x 4" x 6.2" (LxWxH)
 [221 mm x 102 mm x 158 mm]
Weight: 5.5 lbs [2.49 kg]



HP10139
HP325 24 VDC AIR COMPRESSOR
Duty Cycle: 33% (20 Minutes @ 100 psi)
Max Working Pressure: 150 psi [1034 kPa]
Voltage: 24 VDC
Size: 8.7" x 4" x 6.2" (LxWxH)
 [221 mm x 102 mm x 158 mm]
Weight: 5.5 lbs [2.49 kg]

HP325 SERIES AIR COMPRESSOR DIMENSIONS (IN INCHES)



12 VDC SPECIFICATIONS

GENERAL DATA

PART NUMBER	HP10143
WEIGHT	5.5 lbs [2.49 kg]
AMBIENT TEMPERATURE RANGE	-40°F to 158°F [-40°C to 70°C]
MAX DUTY CYCLE	33% (20 minutes @ 100 psi)
INGRESS PROTECTION	IP55 w/remote intake (included)

PNEUMATIC DATA

RATED FLOW	1.1 SCFM
MAX WORKING PRESSURE	150 psi [1034 kPa]
MAX RESTART PRESSURE	135 psi [931 kPa]

ELECTRICAL MOTOR DATA

MOTOR TYPE	Permanent magnet DC
OPERATING VOLTAGE	12 VDC ± 15%
MAXIMUM CURRENT DRAW	17 A
NOMINAL POWER	¼ HP
NOMINAL SPEED	3000 RPM

*Operating life may be dependent on application

24 VDC SPECIFICATIONS

GENERAL DATA

MODEL	HP10139
WEIGHT	5.5 lbs [2.49 kg]
AMBIENT TEMPERATURE RANGE	-40°F to 158°F [-40°C to 70°C]
MAX DUTY CYCLE	33% (20 minutes @ 100 psi)
INGRESS PROTECTION	IP55 w/remote intake (included)

PNEUMATIC DATA

RATED FLOW	1.1 SCFM
MAX WORKING PRESSURE	150 psi [1034 kPa]
MAX RESTART PRESSURE	135 psi [931 kPa]

ELECTRICAL MOTOR DATA

MOTOR TYPE	Permanent magnet DC
OPERATING VOLTAGE	24 VDC ± 15%
MAXIMUM CURRENT DRAW	9 A
NOMINAL POWER	¼ HP
NOMINAL SPEED	3000 RPM

*Operating life may be dependent on application

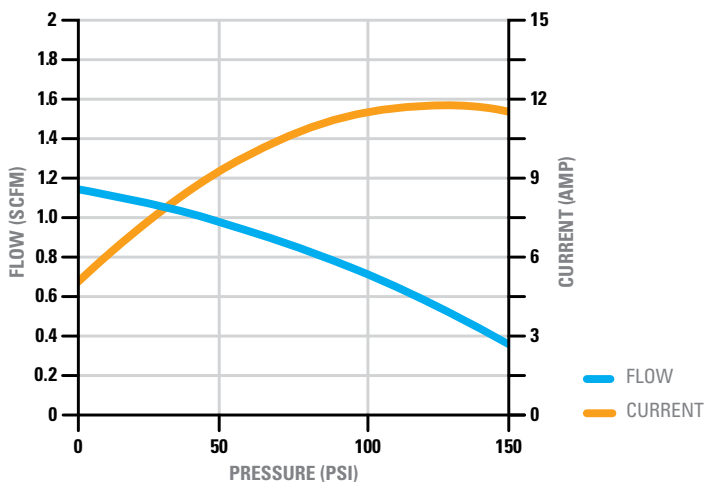
12 VDC TANK FILL TIME

TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
½ Gallon	HP10053	23 seconds	23 seconds
2 ½ Gallon	HP10050	157 seconds	130 seconds

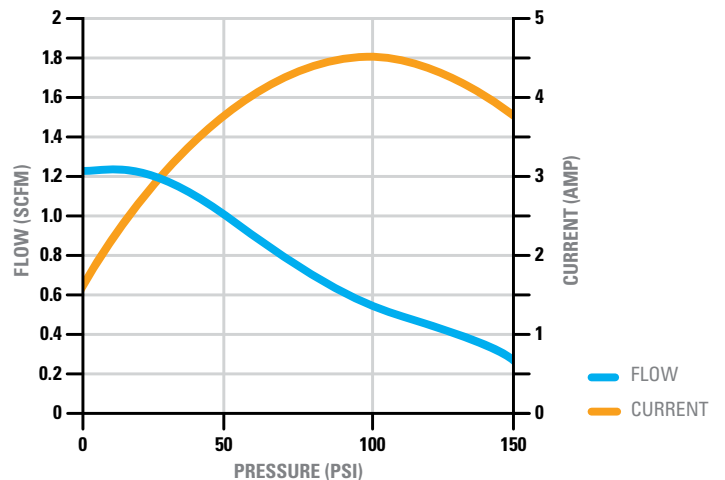
24 VDC TANK FILL TIME

TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
½ Gallon	HP10053	33 seconds	25 seconds
2 ½ Gallon	HP10050	174 seconds	155 seconds

HP325 12 VDC - CURRENT & FLOW RATE VS PRESSURE (13.8 VDC)



HP325 24 VDC - CURRENT & FLOW RATE VS PRESSURE (27.6 VDC)



Compressor Specifications



Pacbrake's heavy duty 425 Series compressors have a 50% duty cycle for wherever the road takes you.

HP425 SERIES AIR COMPRESSORS

Pacbrake's HP425 series air compressors have a 50% duty cycle [30 min on/30 min off] and are offered in 12 VDC. These ¼ horsepower compressors utilize an oil-less design, sealed bearings, a PTFE piston ring, a copper wire wound permanent magnet motor and a hard anodized aluminum sleeve.

- High temperature sealed bearings
- PTFE piston rings (Oil-less design)
- Hard anodized aluminum cylinder sleeve
- Copper wire wound permanent magnet motor
- Check valve to prevent hard start-up
- Mountable in any orientation
- Thermal switch limit 221°F (105°C), Auto reset at 185°F (85°C)
- Crank case mounted air filter, IP52 (Remote, IP67)

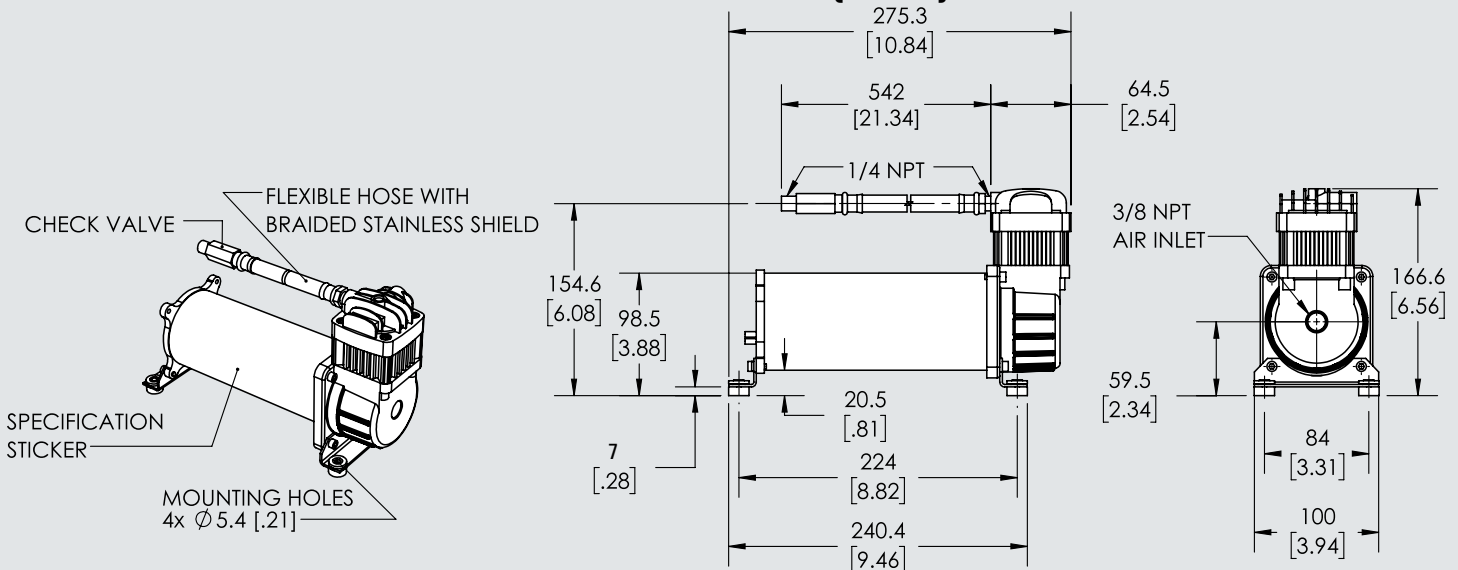


HP10300
HP425 12 VDC AIR COMPRESSOR
Duty Cycle: 50% [30 min on / 30 min off]
Max Working Pressure: 200psi [1379 kPa]
Voltage: 12 VDC
Size: 10.8" x 3.9" x 6.6" (LxWxH)
 [275 mm x 100 mm x 167 mm]
Weight: 10.26 lbs [4.65 kg]



HP10300-B
HP425 12 VDC AIR COMPRESSOR
Duty Cycle: 50% [30 min on / 30 min off]
Max Working Pressure: 200psi [1379 kPa]
Voltage: 12 VDC
Size: 10.8" x 3.9" x 6.6" (LxWxH)
 [275 mm x 100 mm x 167 mm]
Weight: 10.26 lbs [4.65 kg]

HP425 SERIES AIR COMPRESSOR DIMENSIONS IN MILLIMETERS (INCHES)



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AFTERMARKET BY
PACBRAKE

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

AIR MANAGEMENT

FOR ALL YOUR ADVENTURES

HP425 12 VDC SPECIFICATIONS

GENERAL DATA

PART NUMBER	Chrome [HP10300], Black [HP10300-B]
WEIGHT	10.26 lbs [4.65 kg]
AMBIENT TEMPERATURE RANGE	-40°F to 158°F [-40°C to 70°C]
MAX DUTY CYCLE	50% [30 min on / 30 min off]

PNEUMATIC DATA

RATED FLOW	1.75 SCFM [0.05 m ³ / min]
MAX WORKING PRESSURE	200psi [1379 kPa]
MAX CONTINUOUS RUN TIME	30 min
MAX CURRENT	23 A

ELECTRICAL MOTOR DATA

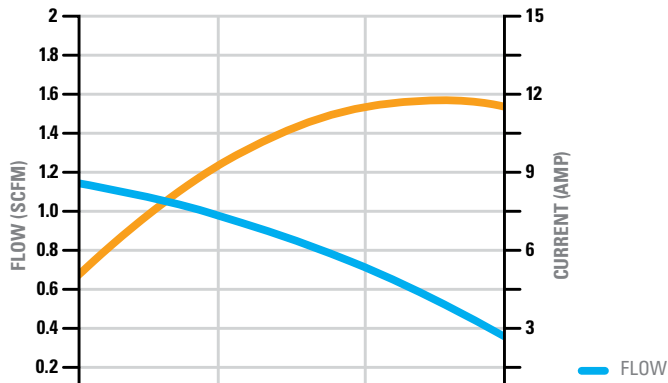
OPERATING VOLTAGE	12 VDC ± 15%
NOMINAL POWER	.25 hp [0.18 kW]
NOMINAL VOLTAGE	12 VDC

**Operating life may be dependent on application*

HP425 12 VDC TANK FILL TIME

TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
½ Gallon	HP10053	24 seconds	21 seconds
2½ Gallon	HP10050	135 seconds	110 seconds
5 Gallon	HP10094	255 seconds	230 seconds

HP325 12 VDC - CURRENT & FLOW RATE VS PRESSURE (13.8 VDC)



Compressor Specifications

HP625 SERIES AIR COMPRESSORS

Pacbrake's heavy duty HP625 series air compressors have a 100% duty cycle (1 hour @ 100 psi) and are offered in two pump head configurations: vertical and horizontal. These 3/4 horsepower compressors utilize an oil-less design, sealed bearings, a PTFE piston ring, a copper wire wound permanent magnet motor and a cast steel cylinder with a hard anodized aluminum sleeve. The HP625 series compressors require an unloader assembly when used with an air tank:

- HP10116 (12 VDC compressor)
- HP10116-24 (24 VDC compressor)

HP625 series heavy duty air compressors are designed with a cotton air intake filter located below the cylinder head. This type of filtration is acceptable when the compressor is mounted in an area free from moisture and subjected to minimal airborne debris.

Pacbrake's optional remote air intake kit (HP10115) is designed for compressor installations with significant exposure to the elements.

- Vertical (12 VDC & 24 VDC) or Horizontal (12VDC) head configuration
- Sealed bearings
- Cast steel cylinder with hard anodized aluminum sleeve
- PTFE piston ring
- Mountable in any orientation



HP10625V: Gunmetal Gray
HP10625V-B: Matte Black
12 VDC AIR COMPRESSOR (VERTICAL)

Duty Cycle: 100% (1 Hour @ 100 psi)
Max Working Pressure: 150 psi [1034 kPa]
Voltage: 12 VDC
Size: 11.5" x 6" x 9.5" (LxWxH)
 [293 mm x 153 mm x 242 mm]
Weight: 18.5 lbs [8.39 kg]



HP10625H: Gunmetal Gray
HP10625H-B: Matte Black
12 VDC AIR COMPRESSOR (HORIZONTAL)

Duty Cycle: 100% (1 Hour @ 100 psi)
Max Working Pressure: 150 psi [1034 kPa]
Voltage: 12 VDC
Size: 11.5" x 9.5" x 6" (LxWxH)
 [293 mm x 242 mm x 153 mm]
Weight: 18.5 lbs [8.39 kg]



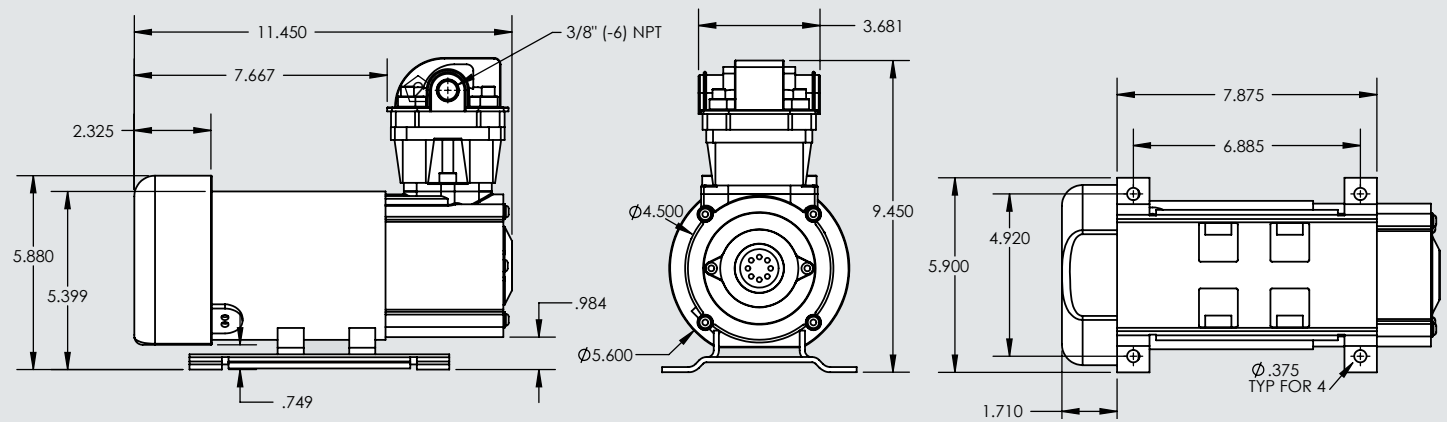
HP10625V-24: Gunmetal Gray
HP10625V-24B: Matte Black
24 VDC AIR COMPRESSOR (VERTICAL)

Duty Cycle: 100% (1 Hour @ 100 psi)
Max Working Pressure: 150 psi [1034 kPa]
Voltage: 24 VDC
Size: 11.5" x 6" x 9.5" (LxWxH)
 [293 mm x 153 mm x 242 mm]
Weight: 18.5 lbs [8.39 kg]

12 VDC TANK FILL TIME			
TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
1/2 Gallon	HP10053	12 seconds	8 seconds
2 1/2 Gallon	HP10050	60 seconds	46 seconds
5 Gallon	HP10094	156 seconds	127 seconds

24 VDC TANK FILL TIME			
TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
1/2 Gallon	HP10053	11 seconds	9 seconds
2 1/2 Gallon	HP10050	55 seconds	46 seconds
5 Gallon	HP10094	127 seconds	110 seconds

HP625 SERIES VERTICAL AIR COMPRESSOR (AVAILABLE IN 12 VDC & 24 VDC) DIMENSIONS (IN INCHES)



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

12 VDC SPECIFICATIONS

GENERAL DATA

PART NUMBER	HP10625V (Vertical), HP10625H (Horizontal)
WEIGHT	18.5 lbs [8.39 kg]
AMBIENT TEMPERATURE RANGE	-22°F to 158°F [-30°C to 70°C]
MAX DUTY CYCLE	100% (1 hour @ 100 psi)
INGRESS PROTECTION	IP52 (IP55 w/remote intake)

PNEUMATIC DATA

RATED FLOW	3.4 SCFM
MAX WORKING PRESSURE	150 psi [1034 kPa]
MAX RESTART PRESSURE	5 psi [35 kPa]

ELECTRICAL MOTOR DATA

MOTOR TYPE	Permanent magnet DC
OPERATING VOLTAGE	12 VDC ± 15%
MAXIMUM CURRENT DRAW	42 A
NOMINAL POWER	¾ HP
NOMINAL SPEED	3000 RPM

*Operating life may be dependent on application

24 VDC SPECIFICATIONS

GENERAL DATA

PART NUMBER	HP10625V-24 (Vertical)
WEIGHT	18.5 lbs [8.39 kg]
AMBIENT TEMPERATURE RANGE	-22°F to 158°F [-30°C to 70°C]
MAX DUTY CYCLE	100% (1 hour @ 100 psi)
INGRESS PROTECTION	IP52 (IP55 w/remote intake)

PNEUMATIC DATA

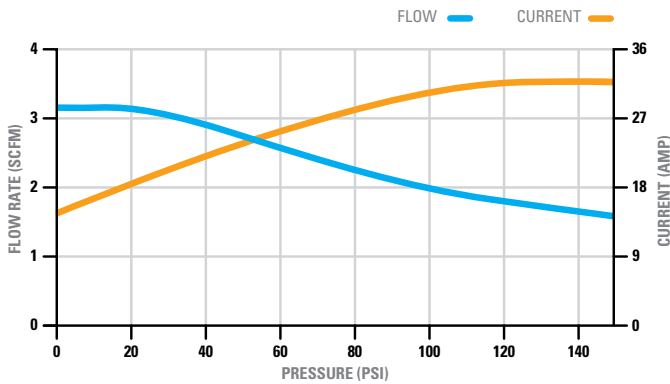
RATED FLOW	3.4 SCFM
MAX WORKING PRESSURE	150 psi [1034 kPa]
MAX RESTART PRESSURE	5 psi [35 kPa]

ELECTRICAL MOTOR DATA

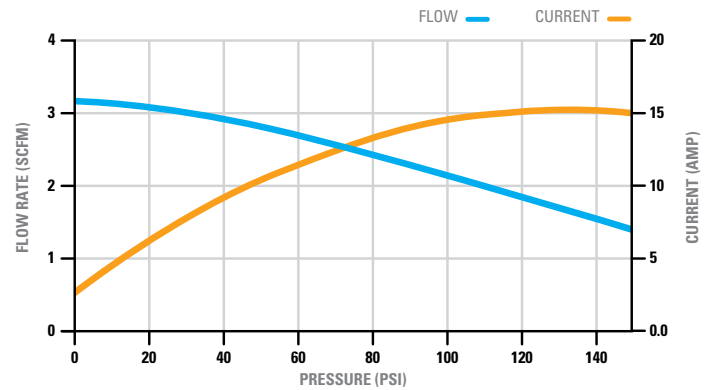
MOTOR TYPE	Permanent magnet DC
OPERATING VOLTAGE	24 VDC ± 15%
MAXIMUM CURRENT DRAW	21 A
NOMINAL POWER	¾ HP
NOMINAL SPEED	3000 RPM

*Operating life may be dependent on application

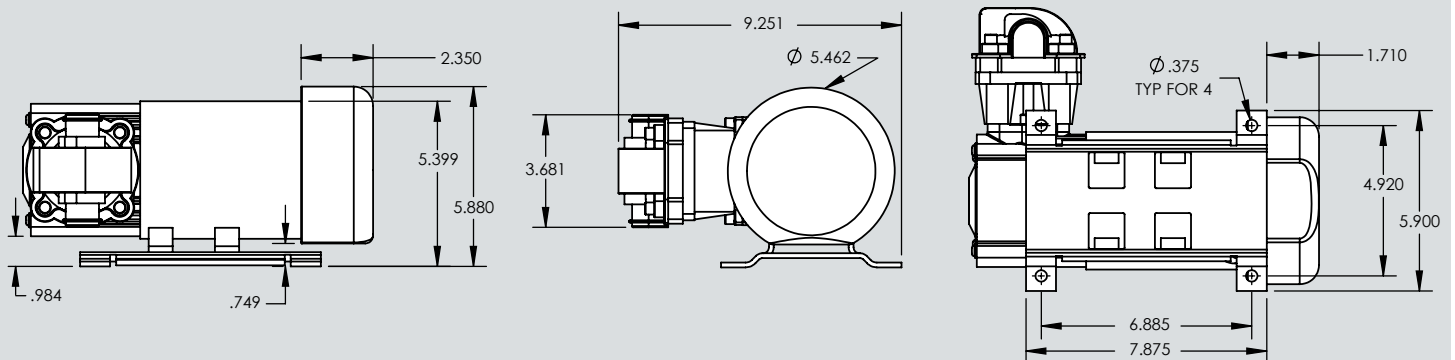
HP625 12 VDC - CURRENT & FLOW RATE VS PRESSURE (13.8 VDC)



HP625 24 VDC - CURRENT AND FLOW RATE VS. PRESSURE (27.6 VDC)



HP625 SERIES HORIZONTAL AIR COMPRESSOR (AVAILABLE IN 12 VDC ONLY) DIMENSIONS (IN INCHES)



Air Tank Specifications



STEEL AIR TANKS

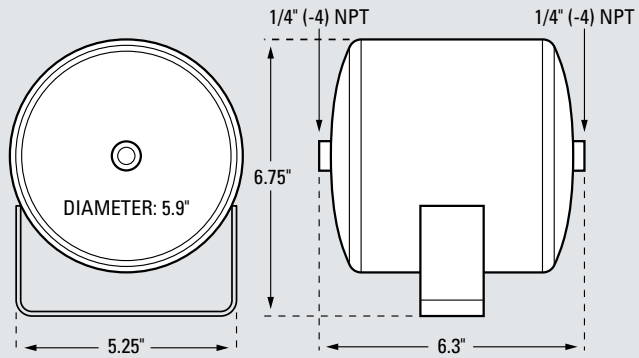
Air tanks work in conjunction with an air compressor to store compressed air and hold it until needed. Storing air allows for quicker product activation and is especially valuable when operating more than one product. These air tanks have welded on mounting brackets. Pacbrake steel air tanks are powder coated, and have an anti-rust inhibitor applied internally.

1/2 GALLON AIR TANK

- Welded on mounting brackets
- Anti-rust coating
- 2 x 1/4" (-4) NPT Ports



C11940
1/2 GALLON AIR TANK
 Weight: 3.8 lbs [1.72 kg]
 Max Working Pressure: 150 psi [1034 kPa]
 Burst Pressure: 600 psi [4137 kPa]
 Working Temperature: -40°F to 248°F
 [-40°C to 120°C]

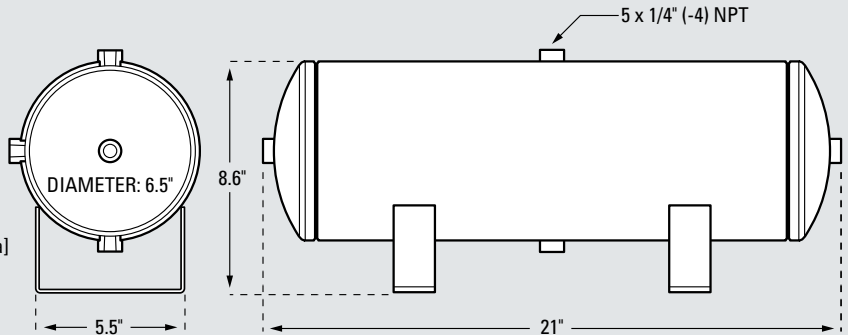


2 1/2 GALLON AIR TANK

- Welded on mounting brackets
- Anti-rust coating
- 5 x 1/4" (-4) NPT Ports



HP10013
2 1/2 GALLON AIR TANK
 Weight: 9.8 lbs [4.45 kg]
 Max Working Pressure: 150 psi [1034 kPa]
 Burst Pressure: 600 psi [4137 kPa]
 Working Temperature: -40°F to 248°F
 [-40°C to 120°C]

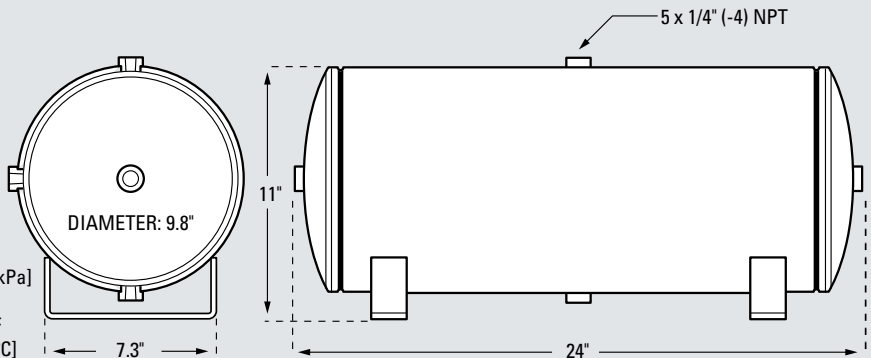


5 GALLON AIR TANK

- Welded on mounting brackets
- Anti-rust coating
- 5 x 1/4" (-4) NPT



HP10014
5 GALLON AIR TANK
 Weight: 17.8 lbs [8.07 kg]
 Max Working Pressure: 150 psi [1034 kPa]
 Burst Pressure: 600 psi [4137 kPa]
 Working Temperature: -40°F to 248°F
 [-40°C to 120°C]



AIR SUSPENSION

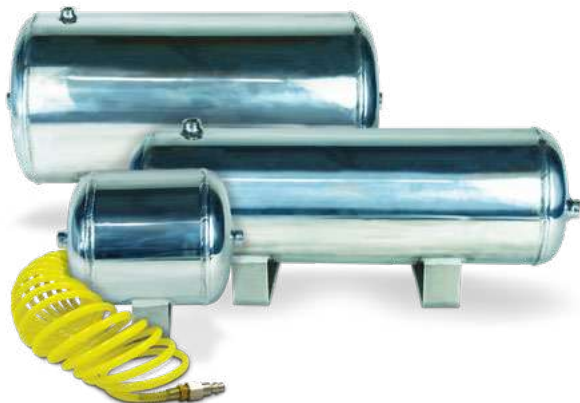
AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AFTERMARKET BY
PACBRAKE



ALUMINUM AIR TANKS

Aluminum tanks are made with less corrosive and lighter material than the standard steel tanks. These tanks also work in conjunction with air compressors to store the compressed air and hold it until it is required. This allows for quicker activation, especially when operating more than one product simultaneously. Pacbrake offers three air tank sizes: a 1/2 gallon tank, a 2 1/2 gallon tank and a 5 gallon tank.

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

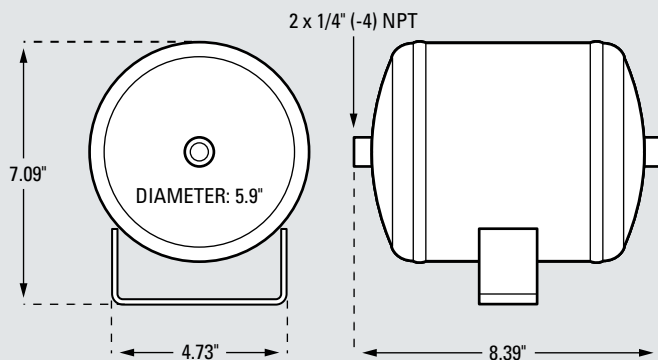
COMPONENTS

1/2 GALLON AIR TANK

- Welded on mounting brackets
- Polished aluminum
- 2 x 1/4" (-4) NPT Ports



HP10257
1/2 GALLON AIR TANK
 Weight: 1.98 lbs [0.9 kg]
 Wall Thickness: .1" [2.5 mm]
 Max Working Pressure: 200 psi [1380 kPa]
 Burst Pressure: 600 psi [4137 kPa]
 Working Temperature: -40°F to 248°F
 [-40°C to 120°C]

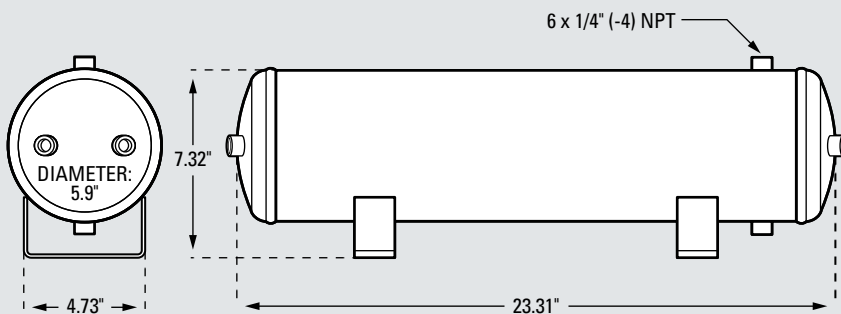


2 1/2 GALLON AIR TANK

- Welded on mounting brackets
- Polished aluminum
- 6 x 1/4" (-4) NPT Ports



HP10258
2 1/2 GALLON AIR TANK
 Weight: 4.9 lbs [2.2 kg]
 Wall Thickness: .1" [2.5 mm]
 Max Working Pressure: 200 psi [1380 kPa]
 Burst Pressure: 600 psi [4137 kPa]
 Working Temperature: -40°F to 248°F
 [-40°C to 120°C]

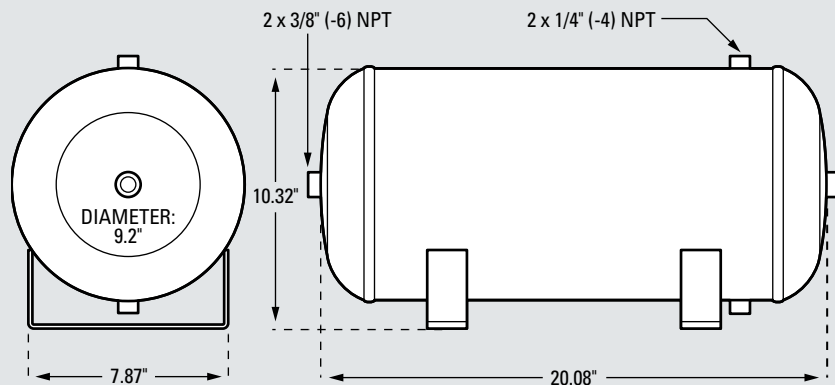


5 GALLON AIR TANK

- Welded on mounting brackets
- Polished aluminum
- 2 x 3/8" (-6) NPT Ports and 2 x 1/4" (-4) NPT Ports



HP10259
5 GALLON AIR TANK
 Weight: 7.94 lbs [3.6 kg]
 Wall Thickness: .12" [2.9 mm]
 Max Working Pressure: 200 psi [1380 kPa]
 Burst Pressure: 600 psi [4137 kPa]
 Working Temperature: -40°F to 248°F
 [-40°C to 120°C]





PERFORMANCE



**INCREASED
PERFORMANCE FOR
HARDWORKING TRUCKS**

- » Increase Driving Control
- » Improve Mechanical Suspension
- » Optimize Engine Operation



TIE ROD SLEEVES



LEVELING KITS



AIR HORNS



REMOTE OIL FILTER



MAX FLOW ELBOW



SPRING KITS



SWITCHES





PUSH-TO-CONNECT FITTINGS

- For use with air, water and oil
- DOT fittings are approved for automotive air brake systems using DOT approved nylon tube
- Non-DOT fittings are for use with standard nylon tube or DOT approved
- Require the use of teflon® tape of pipe sealant – some fittings may come with pipe sealant pre-applied

SPECIFICATIONS		
DOT:	MAXIMUM WORKING PRESSURE	¼" OD Tube: 300 psi [2.07 mPa]
	WORKING TEMPERATURE RANGE:	-40°F to 200°F [40°C to 93°C]
NON-DOT:	MAXIMUM WORKING PRESSURE	½" OD Tube: 350 psi [2.41 mPa]
	MAXIMUM WORKING PRESSURE	¼" OD Tube: 250 psi [1.72 mPa]
	MAXIMUM WORKING PRESSURE	¾" OD Tube: 300 psi [2.07 mPa]
	WORKING TEMPERATURE RANGE	-10°F to 200°F [23°C to 93°C]



HP1152
FEMALE PIPE BULKHEAD
Material: Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/4" (-4) NPT Female
NON-DOT



HP1019
MALE PIPE 90° SWIVEL ELBOW
Material: Nickel Plated Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/8" (-2) NPT Male (Pre-Applied Sealant)
NON-DOT



HP1099
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/4" (-4) NPT Male (Pre-Applied Sealant)
NON-DOT



HP1210
FEMALE PIPE CONNECTOR
Material: Nickel Plated Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/8" (-2) NPT Female
NON-DOT



HP1122
MALE PIPE 90° SWIVEL ELBOW
Material: Brass
Fitting End A: 1/8" OD Tube
Fitting End B: 1/8" (-2) NPT Male (Pre-Applied Sealant)
NON-DOT



HP1214
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 3/8" OD Tube
Fitting End B: 1/4" (-4) NPT Male (Pre-Applied Sealant)
NON-DOT



HP1245
MALE PIPE 90° ELBOW
Material: Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 3/8" (-6) NPT Male (Pre-Applied Sealant)
NON-DOT



HP1098
MALE PIPE CONNECTOR
Material: Nickel Plated Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/8" (-2) NPT Male
NON-DOT



HP1385
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 3/8" (-6) NPT Male (Pre-Applied Sealant)
DOT



HP1100
MALE PIPE 90° SWIVEL ELBOW
Material: Nickel Plated Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/4" (-4) NPT Male
NON-DOT



HP1176
UNION TEE
Material: Brass
Fitting End A: 1/4" OD Tube
Fitting End B: 1/4" OD Tube
Fitting End C: 1/4" OD Tube
DOT

HOSE BARB FITTINGS

- General purpose fittings for air, water, low pressure and vacuum applications
- Tube/hose requires securing with clamps or ferrules
- Require the use of teflon® tape or pipe sealant – some fittings may come with pipe sealant pre-applied

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	Dependent on tube/hose
WORKING TEMPERATURE RANGE:	-40°F to 220°F [40°C to 104°C]



C11868
MALE PIPE 90° ELBOW
Material: Brass
Fitting End A: 1/4" ID Tube
Fitting End B: 1/8" (-2) NPT Male



C10686
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/8" ID Tube
Fitting End B: 10/32" UNF Male



C11867
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" ID Tube
Fitting End B: 1/8" (-2) NPT Male



C10568
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/8" ID Tube
Fitting End B: 1/8" (-2) NPT Male



C11833
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 3/8" ID Tube
Fitting End B: 1/8" (-2) NPT Male



C10501
UNION TEE
Material: Brass
Fitting End A: 0.170" ID Tube
Fitting End B: 0.170" ID Tube

Pneumatic & Hydraulic Fittings

PIPE FITTINGS

- General purpose fittings for use with air, natural gas, water and oil
- Require the use of teflon® tape or pipe sealant – some fittings may come with pipe sealant pre-applied

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	5,000 psi [34.5 mPa]
WORKING TEMPERATURE RANGE:	-65°F to 250°F [-54°C to 120°C]



C20092
90° STREET ELBOW
Material: Brass
Fitting End A: 1/8" (-2) NPT Male
Fitting End B: 1/8" (-2) NPT Female



HP1096
BUSHING
Material: Brass
Fitting End A: 1/4" (-4) NPT Male
Fitting End B: 1/8" (-2) NPT Female



C11722
MALE HEX NIPPLE
Material: Brass
Fitting End A: 1/8" (-2) NPT Male
Fitting End B: 1/8" (-2) NPT Male



HP1171
90° STREET ELBOW
Material: Brass
Fitting End A: 1/4" (-4) NPT Male
Fitting End B: 1/4" (-4) NPT Female



C3086
HEX HEAD PLUG
Material: Brass
Fitting End A: 1/8" (-2) NPT Male



HP1153
CLOSE NIPPLE
Material: Brass
Fitting End A: 1/4" (-4) NPT Male
Fitting End B: 1/4" (-4) NPT Male



HP1387
90° STREET ELBOW
Material: Brass
Fitting End A: 3/8" (-6) NPT Male
Fitting End B: 3/8" (-6) NPT Female



C10575
HEX NIPPLE
Material: Steel
Fitting End A: 1/4" (-4) NPT Male
Fitting End B: 1/8" (-2) NPT Male



HP1386
PLUG
Material: Zinc Plated Steel
Fitting End A: 3/8" (-6) NPT Male



HP1388
BUSHING
Material: Brass
Fitting End A: 3/8" (-6) NPT Male
Fitting End B: 1/4" (-4) NPT Female



C10583
HEX NIPPLE
Material: Steel
Fitting End A: 1/8" (-2) NPT Male
Fitting End B: 1/8" (-2) NPT Male



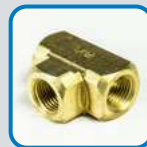
C10567
STREET TEE
Material: Brass
Fitting End A: 1/8" (-2) NPT Female
Fitting End B: 1/8" (-2) NPT Female
Fitting End C: 1/8" (-2) NPT Male



HP1238
BUSHING
Material: Brass
Fitting End A: 3/4" (-12) NPT Male
Fitting End B: 3/8" (-6) NPT Female



C18008
CROSS
Material: Brass
Fitting End A: 1/8" (-2) NPT Female
Fitting End B: 1/8" (-2) NPT Female
Fitting End C: 1/8" (-2) NPT Female
Fitting End D: 1/8" (-2) NPT Female



C11737
TEE
Material: Brass
Fitting End A: 1/8" (-2) NPT Female
Fitting End B: 1/8" (-2) NPT Female
Fitting End C: 1/8" (-2) NPT Female

SAE 45° FLARE FITTINGS

- Incompatible with JIC (SAE 37°)
- For use with air, natural gas, water, oil, refrigerant & gasoline

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	1/4" (-4) SAE 45°: 1,400 psi [9.65 MPa]
WORKING TEMPERATURE RANGE:	-65°F to 250°F [-54°C to 120°C]



C10680
MALE PIPE 90° ELBOW
Material: Brass
Fitting End A: 1/4" (-4) SAE 45° Male
Fitting End B: 1/8" (-2) NPT Male



C10770
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" (-4) SAE 45° Male
Fitting End B: 1/4" (-4) NPT Male



C11786
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" (-4) SAE 45° Male
Fitting End B: 1/8" (-2) NPT Male



C10685
MALE PIPE 45° ELBOW
Material: Brass
Fitting End A: 1/4" (-4) SAE 45° Male
Fitting End B: 1/8" (-2) NPT Male

AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS

WARRANTY



AFTERMARKET BY
PACBRAKE

AIR SUSPENSION
AIR SPRING CONTROLS
ONBOARD AIR
COMPONENTS

COMPRESSION FITTINGS

- For use with air, water and oil
- DOT fittings are approved for automotive air brake systems
- Require the use of teflon® tape or pipe sealant – some fittings may come with pipe sealant pre-applied

SPECIFICATIONS		
DOT:	MAXIMUM WORKING PRESSURE	¼" OD Tube: 300 psi [2.07 MPa]
	WORKING TEMPERATURE RANGE:	-40°F to 200°F [-40°C to 93°C]
NON-DOT:	MAXIMUM WORKING PRESSURE	½" OD Tube: 400 psi [2.76 MPa]
	MAXIMUM WORKING PRESSURE	¾" OD Tube: 200 psi [1.38 MPa]
	WORKING TEMPERATURE RANGE	-65°F to 250°F [-54°C to 120°C]



HP1151
FEMALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/4" (-4) NPT Female
DOT



C11796
MALE PIPE 90° ELBOW
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/8" (-2) NPT Male
DOT



C10576
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/4" (-4) NPT Male
DOT



HP1120
FEMALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/8" OD Tube Nylon
Fitting End B: 1/8" (-2) NPT Female
NON-DOT



HP1236
MALE PIPE 90° ELBOW
Material: Brass
Fitting End A: 3/8" OD Tube Brass/
Copper/Aluminum
Fitting End B: 3/8" (-6) NPT Male
NON-DOT



C10570
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/8" (-2) NPT Male
DOT



C10591
MALE PIPE 45° ELBOW
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/8" (-2) NPT Male
DOT



C10572
MALE PIPE CONNECTOR
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/4" (-4) NPT Male
DOT



C11795
MALE PIPE RUN TEE
Material: Brass
Fitting End A: 1/4" OD Tube Nylon
Fitting End B: 1/4" OD Tube Nylon
Fitting End C: 1/8" (-2) NPT Male
DOT

JIC (SAE 37°) FLARE FITTINGS

- JIC (Joint Industrial Council) also known as SAE 37° meeting SAE J514 – incompatible with SAE 45°
- For use with air, natural gas, water, oil, refrigerant & gasoline
- NPT compatible with NPTF when Teflon® tape or thread sealant is utilized

SPECIFICATIONS		
MAXIMUM WORKING PRESSURE	½" (-4) JIC:	-28" Hg to 5,000 psi [-0.94 kPa to 9.65 MPa]
WORKING TEMPERATURE RANGE:		-60°F to 400°F [-54°C to 204°C]



C3467
MALE PIPE CONNECTOR
Material: Steel
Fitting End A: 1/4" (-4) JIC Male
Fitting End B: 1/8" (-2) NPTF Male



C3468
90° ELBOW
Material: Steel
Fitting End A: 1/4" (-4) JIC Male
Fitting End B: 1/8" (-2) NPTF Male

ISO 6149 FITTINGS

- For use in hydraulic power applications
- NPT compatible with NPTF when Teflon® tape or thread sealant is utilized



P55116
FEMALE PIPE CONNECTOR
Material: Brass Body, FKM Seal
Fitting End A: M14 X 1.5
ISO 6149-3 Male
Fitting End B: 1/8" (-2) NPTF Female

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	0 psi to 1000 psi [0 mPa to 6.9 mPa]
WORKING TEMPERATURE RANGE:	-65°F to 250°F [-54°C to 121°C]

PNEUMATIC ACCESSORIES

Effective for muffling air valve noise, filtering exhaust/intake air & pressure/vacuum equalization



C10774
POROUS BRONZE AIR SILENCER
Material: Bronze/Steel
Fitting End A: 1/8" (-2) NPTF Male
Max Rated: 5 SCFM @ 90 psi



C10833
POROUS BRONZE AIR SILENCER
Material: Bronze
Fitting End A: 10-32 UNF Male
Filtration: 40 µm
Max Rated: 2 CFM @ 90 psi

Pneumatic & Hydraulic Fittings

CHECK VALVES

- Pneumatic Operation
- Zero Reverse Leakage
- Corrosion Proof (Brass or Stainless Steel)



C20506
Material: Stainless Steel
External Hex: Standard Size
Inlet: 1/8" (-2) NPT Male
Outlet: 1/8" (-2) NPT Female



C20512
Material: Brass
External Hex: Standard Size
Inlet: 1/4" (-4) NPT Male
Outlet: 1/4" (-4) NPT Male

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	150 psi [1.03 MPa]
WORKING TEMPERATURE RANGE:	-40°F to 248°F [-40° to 120° C]
MINIMUM FLOW RATE	3.5 SCFM at 5 psi [0.03 MPa]
MAXIMUM CRACKING PRESSURE	5 psi [0.03 MPa]

QUICK EXHAUST VALVES (QEV)

When installed directly onto pneumatic cylinders, a QEV will allow for quick pneumatic cylinder retraction times, by allowing the compressed air within the pneumatic cylinder to vent directly to atmosphere through the QEV, rather than be pushed back through a length of plumbing back to the activation solenoid.

SPECIFICATIONS	
PRESSURE RANGE	3.9 psi to 145 psi [26.9 kPa to 1,000 kPa]
WORKING TEMPERATURE RANGE:	-40°F to 165°F [-40°C to 74°C]



C10555
QUICK EXHAUST VALVES
Fitting End A: 1/8" (-2) NPT Female
Fitting End B: 1/8" (-2) NPT Female
Fitting End C: 1/8" (-2) NPT Female



C10580
QUICK EXHAUST VALVE
Fitting End A: 1/4" NPT (-4) Female
Fitting End B: 1/4" NPT (-4) Female
Fitting End C: 1/4" NPT (-4) Female

SAE 100R5 END FITTINGS

- Steel reusable end fittings for sae 100R5 (non skive) hose



C11041
SAE 100R5 END FITTINGS
Material: Steel
Fitting End A: 1/4" Nominal ID Hose
Fitting End B: 1/8" (-2) NPT Male



C11042
SAE 100R5 END FITTINGS
Material: Steel
Fitting End A: 1/4" Nominal ID Hose
Fitting End B: 1/4" (-4) NPT Male



C11043
SAE 100R5 END FITTINGS
Material: Steel
Fitting End A: 1/4" Nominal ID Hose
Fitting End B: 1/4" (-4) SAE 45° Female

SPECIFICATIONS	
MAXIMUM WORKING PRESSURE	Hose size dependent
WORKING TEMPERATURE RANGE:	-40°F to 250°F [-40°C to 121°C]

SAE 100R5 MEDIUM PRESSURE HYDRAULIC HOSE (HR5)

For medium pressure hydraulic service in the handling of most hydraulic fluids, gasoline, diesel fuels, lubricating oils, air and water. Recommended for power steering and power steering return lines, fuel filters, turbochargers, tilt lines, lube oil lines and machine tools. Not suitable for use with phosphate esters. Cover is not removed. Meets DOT FMVSS – 106 (Non skive).

- Constructed with a textile inner braid with a single wire braid reinforcement & a cotton braided black cover
- Oil and heat-resistant synthetic rubber inner tube
- For fittings CW500 Crimp/SR500 (series) Reusable



C10107
SAE 100R5 MEDIUM PRESSURE HYDRAULIC HOSE
Radius: 1/4" (-4) Nominal ID Hose
Actual ID: 3/16" [4.76 mm]
Hose OD: .52" [13.21 mm]

SPECIFICATIONS	
WORKING PRESSURE	3000 psi [20.68 MPa]
TEMPERATURE RANGE:	-40°F to 250°F [-40°C to 121°C]
MINIMUM BURST PRESSURE	12,000 psi [82.73 MPa]
MINIMUM BEND RADIUS	3' [76.2 mm]

AIR SUSPENSION

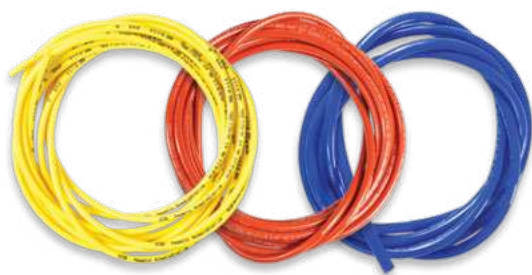
AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



AFTERMARKET BY
PACBRAKE



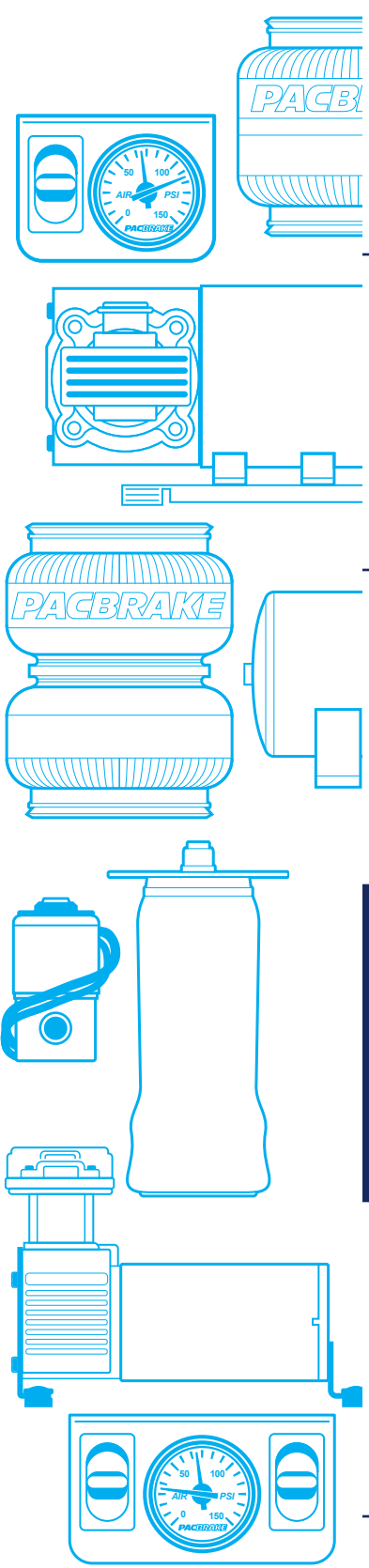
NYLON TUBING

Nylon is strong and has a very high pressure rating making it ideal for pneumatic applications. Its strength allows it to be manufactured with thin walls while still maintaining a high pressure ratings. Nylon is also stable when exposed to light and heat sources. The combination of high pressure rating, high flow rate, flexibility, and strength make it the perfect choice for the Pacbrake AMP system.

AIRLINE TUBING

■ DOT tubing is approved for automotive air brake systems

AIRLINE TUBING (NYLON)					
COLOR	SIZE	LENGTH	PART #	STANDARD	DOT
Black	1/8"	20' [6.10 m]	HP1123-20	SAE J844	X
Black	1/8"	30' [9.14 m]	HP1123-30	SAE J844	X
Black	1/8"	40' [12.19 m]	HP1123-40	SAE J844	X
Black	1/8"	50' [15.24 m]	HP1123-50	SAE J844	X
Black	1/4"	20' [6.10 m]	M8280-20	N/A	X
Black	1/4"	30' [9.14 m]	M8280-30	N/A	X
Black	1/4"	40' [12.19 m]	M8280-40	N/A	X
Black	1/4"	50' [15.24 m]	M8280-50	N/A	X
Black	3/8"	20' [6.10 m]	HP1215-20	SAE J844	✓
Black	3/8"	30' [9.14 m]	HP1215-30	SAE J844	✓
Black	3/8"	40' [12.19 m]	HP1215-40	SAE J844	✓
Black	3/8"	50' [15.24 m]	HP1215-50	SAE J844	✓
Red	1/4"	20' [6.10 m]	M8675-20	SAE J844	✓
Red	1/4"	30' [9.14 m]	M8675-30	SAE J844	✓
Red	1/4"	40' [12.19 m]	M8675-40	SAE J844	✓
Red	1/4"	50' [15.24 m]	M8675-50	SAE J844	✓
Blue	1/4"	20' [6.10 m]	M8685-20	SAE J844	✓
Blue	1/4"	30' [9.14 m]	M8685-30	SAE J844	✓
Blue	1/4"	40' [12.19 m]	M8685-40	SAE J844	✓
Blue	1/4"	50' [15.24 m]	M8685-50	SAE J844	✓
Green	1/4"	20' [6.10 m]	M8676-20	SAE J844	✓
Green	1/4"	30' [9.14 m]	M8676-30	SAE J844	✓
Green	1/4"	40' [12.19 m]	M8676-40	SAE J844	✓
Green	1/4"	50' [15.24 m]	M8676-50	SAE J844	✓
Yellow	6 mm	20' [6.10 m]	M8299-20	N/A	X
Yellow	6 mm	30' [9.14 m]	M8299-30	N/A	X
Yellow	6 mm	40' [12.19 m]	M8299-40	N/A	X
Yellow	6 mm	50' [15.24 m]	M8299-50	N/A	X



AIR SUSPENSION

AIR SPRING CONTROLS

ONBOARD AIR

COMPONENTS



FREQUENTLY ASKED QUESTIONS

IF I HAVE UNEVEN WEIGHT DISTRIBUTION, IS IT EASY TO CUSTOMIZE THE AMOUNT OF AIR IN EACH SPRING?

Yes. Whether you have manual fill valves or in-cab controls with onboard air, you can easily adjust each air spring's pressure to level out your vehicle. The manual fill valves are installed so that the fill valves are easily accessible, usually positioned out of the license plate at the rear of the vehicle. In-cab controls (with onboard air) allow you to adjust each air spring's pressure from the comfort of your driver's seat.

DO AIR SPRINGS REPLACE MY EXISTING SUSPENSION?

No, the air springs are an addition to your existing suspension, not a substitution. Kits are easily installed and do not affect your vehicle's factory suspension.

IF I CHOOSE TO INSTALL THE AMP AIR SUSPENSION KIT, CAN I INCREASE MY MAXIMUM LOAD CAPACITY?

No. You must never exceed your GVWR (Gross Vehicle Weight Rating). The air springs simply provide you with added support and therefore better control for an overall smooth and safe ride.

WILL THE INSTALLATION TAKE A LONG TIME TO COMPLETE?

No. The installation is fairly simple and can usually be completed within 2-3 hours. If installing the kit with an onboard air system, the installation procedure is a little different and may vary depending on the vehicle application.

IMPORTANT:

An air suspension kit will not increase the GVWR (Gross Vehicle Weight Rating), as the GVWR is determined by the axle rating. Do not exceed the maximum capacity listed by the vehicle manufacturer.

BEFORE YOU START:

NOTE: Some vehicles are equipped with a rear wheel brake proportioning valve. Check with the manufacturer before installing the air spring kit, as it may affect braking performance.

1. Ensure the application information is correct for the make, model and year of the vehicle you are installing the kit on.
2. Pacbrake recommends using a good quality anti-seize on all fasteners. This will reduce the chance of corrosion on the fasteners and will help facilitate removal, if required at a later date.

MAINTENANCE TIPS FOR AIR SPRINGS AND ONBOARD AIR SYSTEMS

AIR SUSPENSION

The primary causes for air spring failure is the misuse and incorrect installation (loose components). Proper installation is critical. Ensure air springs maintain a minimum of ½" clearance from surrounding components while at maximum inflation pressure. Maintenance of air springs is essential to prolong service life, providing safety and enjoyment for years to come.

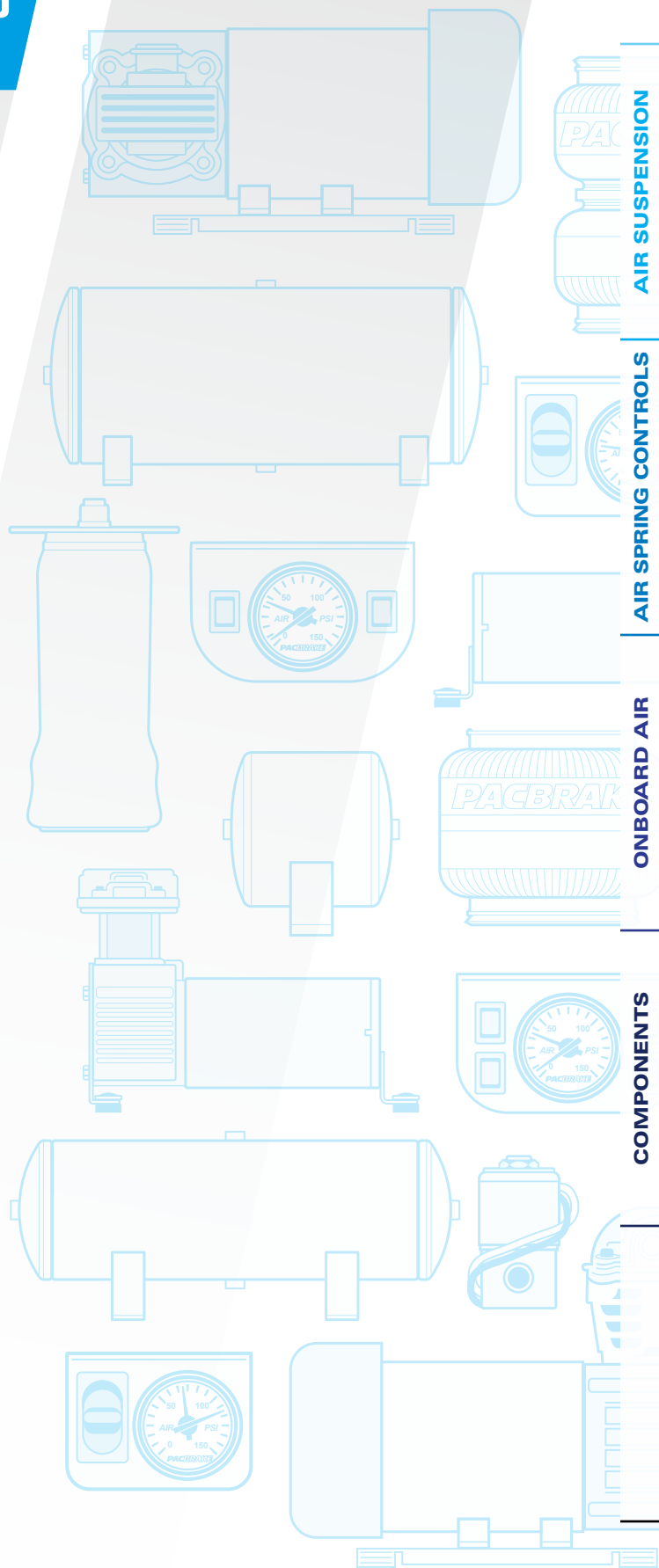
- EVERY 6 MONTHS:**
- Inspect that all hardware is tight – see installation manual for torque values.
 - Inspect the air spring system (air springs, airlines & fittings) for leaks, using a soap and water solution.
 - Inspect the air springs for damage (abrasion, heat cracking) and replace if necessary.
 - Inspect the air spring brackets for damage (bent, cracked) or misalignment – replace or re-align if necessary.

Take the time to clean all debris such as road salts, grime and oils from the air spring every time you wash your vehicle. Approved cleaning solutions are soap and water, methyl alcohol, ethyl alcohol, and isopropyl alcohol. Never use caustic cleaners, organic solvents or steam clean your air springs.

ONBOARD AIR SYSTEMS

The primary cause for onboard air system failures are air leaks – these will shorten compressor life by causing it to refill more frequently. A correctly sealed air system will provide enjoyment for years to come.

- EVERY 2-3 MONTHS:**
- It is important to fully drain the air tank – this removes water/moisture from the system, which can adversely affect solenoid valves by either jamming from freezing at cold temperatures or jamming from contaminants which are carried in by water. In areas of high humidity the compressor will produce more moisture and should have the tank drained more frequently.
 - Inspect all wiring for chafing, loose, or corroded terminals. Check attachment points for the compressor, air tank & solenoid valves. Repair as necessary.
 - Remove the air intake filter, clean in a mild soap and water solution, air dry and replace.



AIR SUSPENSION

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