



# AIR 37-65

Table of Contents	PAGE
Gladhands	37
Air Brake Hose and Tubing	40
Air Brake Valves	43
Air Accessory Valves	49
Pressure Switches and Indicators	55
Air Tank Accessories	56
Air Tank, Brake Chambers and Diaphragms	58
Air Cylinder Control Valves	59
Air Cylinders	60
Air Cylinder Tailgate Lock Kits	63
Lift Axle and Suspension Valves	64

**VELVAC Original** Indicates an original Velvac product.

**NEW** Indicates a new product added to catalog.

**Revised Part No.** Indicates a revised part number defining “-xx” package quantity.  
Refer to price list for price per package.

**For quantity and packaging information, refer to our price list.**

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**Iron Gladhands with Polyurethane Seals**

*Lifetime guarantee covers both gladhands and seals!*



- Solid, one-piece construction
- Service and emergency gladhand color-coated for easy identification
- Color-coded polyurethane seal included
- Positive, spring loaded locking mechanism keeps gladhand properly positioned
- 1/2" FPT port
- Gladhands meet SAE J318 requirements including breakaway requirement

Part No.	Description
035031	Universal Gladhand with Black Polyurethane Seal
035032	Emergency Gladhand with Red Polyurethane Seal
035033	Service Gladhand with Blue Polyurethane Seal

**Shutoff Gladhands**

**NEW**



- Lightweight die cast aluminum bodies
- Clamp plates are color-coded for easy identification
- Polyurethane seal included
- 1/2" or 3/8" nylon air tube fitting
- Emergency gladhand with 1/4" - 18NPT port for pintle hook air line fitting
- Meets SAE J318 requirements

Part No.	Description
035094	3/8" Service Gladhand
035095	3/8" Emergency Gladhand
035173	1/2" Service Gladhand
035174	1/2" Emergency Gladhand

**Premium Powder Coated Gladhand**

**NEW**



- Available in service and emergency color coding
- Powder coated aluminum improves corrosion resistance
- Polyurethane seals improve resistance to oil and chemicals
- Bright color coding allows for easy brake line identification
- Stainless steel wear plates are resistant to corrosion and improve service life
- Meets SAE J318
- 1/2" FPT port

Part No.	Description
035169	Powder Coated Service Gladhand with Polyurethane Seal
035170	Powder Coated Emergency Gladhand with Polyurethane Seal

**Aluminum Gladhands**


- Velvac's most economical Gladhand!
- Clamp plates are color-coded for easy identification
- All include flat rubber coupling seal
- 1/2" FPT port
- Meets SAE J318 requirements

Part No.	Description
035038	Universal Gladhand
035042	Emergency Gladhand
035045	Service Gladhand

**HELPFUL HINT:**  
For the Greatest Corrosion Resistance Try Velvac's Powder Coated or Plated Style Gladhand

**37° Bracket Mount Gladhands**


- Lightweight die cast aluminum bodies
- Clamp plates are color-coded for easy identification
- Color-coded polyurethane seal included
- (2) 3/8" FPT ports (one plugged)
- (2) 11/32" diameter mounting holes
- Gladhands meet SAE J318 requirements

Part No.	Description
035092	Service Gladhand
035093	Emergency Gladhand

**Shutoff Gladhands**

**NEW**



- Lightweight die cast aluminum bodies
- Clamp plates are color-coded for easy identification
- Rubber seal included
- Includes mounting seal to prevent corrosion between gladhand and trailer
- Metal inner ball for increased wear ability
- Meets SAE J318 requirements
- 3/8" - 18 port

Part No.	Description
035152	Emergency Shutoff
035151	Service Shutoff

**Pivoting Gladhands**
**NEW**


- Spring loaded to safely swing out of the way when not in use
- Seals out contaminants when not in use
- 3/8" - 18 NPTF ports

Part No.	Description
035167	Blue - Service
035168	Red - Emergency

**Polyurethane Gladhand Seals**


- Color-coded seals will not crack or tear, reducing maintenance time and cost associated with rubber seal replacement
- Available in attractive display box with 25 sets of seals (set consists of 4 seals per bag, 2 red and 2 blue) See page 139.

Part No.	Description
035009	Red Polyurethane Seals
035010	Blue Polyurethane Seals
035011	Black Polyurethane Seals
035012	Display Box with Seals

**HELPFUL HINTS:**

Glad-hand seals are exposed to many different road chemicals and normal weathering effects, daily. Prevent unexpected failure by inspecting your glad-hand seals regularly and replace yearly. Velvac offers a wide variety of rubber and polyurethane seals including the new Energy Suspension® Seals.

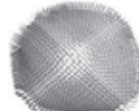
**Plated Aluminum Gladhands**
**NEW**
*With E-Coating*


- E-Coated aluminum improves corrosion resistance and provides better protection than typical zinc plating
- E-Coated aluminum gladhand body with a full face plate
- Service and Emergency gladhands have a powder coated face plate for increased corrosion resistance
- Universal gladhand has a zinc plated face plate for increased corrosion resistance
- Rubber Seal
- Meets SAE J318 Specs
- Color coded for easy hose identification
- Emergency is polarized to eliminate incorrect hose connections
- Cost saving angle mount eliminates the need for extra mounting hardware

Part No.	Description	Replaces Haldex-Midland Number	Connection Thread
035143	Plated - Service	11452	1/2" Pipe Thread
035144	Plated - Emergency	11451	1/2" Pipe Thread
035145	Plated - Universal	11450	1/2" Pipe Thread
035146	Plated - 37° Service	11444	3/8" Pipe Thread
035147	Plated - 37° Emergency	11440	3/8" Pipe Thread

**Rubber Gladhand Seals**

*Standard and Flat seal*

*"Guardian™" Seal*

*Seal Screen*

- Seals constructed of durable black Buna N compound
- "Guardian" seal with rubber flap and metal seal screen help protect air lines from debris

Part No.	Description
035005	Standard Seals
035007	Flat Seals
035140	Seal Screen
035141	Guardian™ Seal with Flap

*"Guardian™" is a trade mark of Velvac, Inc.*
**Energy Suspension® Seals**
**NEW**


- Could be the last seal you buy!
- Designed to fit all SAE approved gladhands
- Polyurethane seals improve resistance to oil and chemicals, increasing service life and decreasing down time
- Will not crack, dry out or tear like the conventional rubber seals
- Rated to -40°F
- 50 Seals per bag

Part No.	Description
035165	Blue Service Seal
035164	Red Emergency Seal
035166	Black Universal Seal

*Energy Suspension® is a registered trademark of Energy Suspension*

**Gladhand Seals with Built-in Screens**

**NEW**



- Polyurethane seals with stainless steel screens built in
- Traps harmful contaminants before they can cause an air break system failure
- Keeps bugs out of the air lines
- Available in blue, black and red

Part No.	Description
035175	Blue Service Seal with screen
035176	Red Emergency Service Seal with screen
035177	Black Universal Service Seal with screen

**Stow-A-Way™ Gladhand and Plug Holder**



- Makes gladhand and electrical hook ups at a 45° angle for easy insertion and extraction
- Allows cable and air line storage with both feet firmly on the ground when properly placed
- Designed for heavier ABS cables
- Standard mounting holes make it easy to replace older designs
- Glass-filled nylon, non-corrosive construction

Part No.	Description
580042	Stow-A-Way Gladhand and Plug Holder

**GladhandL™ Gladhand Grips**

**NEW**



Part No. 035070

Part No. 035178

- 1/2" NPTF
- Sold in pairs in an attractive display package with information header
- Part No. 035070, polyurethane style features a soft grip with a machined steel core
- Part No. 035178, solid aluminum style features an anodized body with a diamond knurl

Part No.	Description
035070	One Red and One Blue GladhandL™ Grip with Hardware, Polyurethane
035178	One Red and One Blue Solid Aluminum Gladhand Grip, Hardware not needed

**Gladhand Holder Kit**



- Designed to mount on all Velvac pogo sticks
- Holds and seals gladhands when tractor is disconnected from trailer
- Durable zinc-plated steel construction
- Single gladhand holder can be mounted directly to cab using 5/16" bolt holes
- Kit includes two gladhand holders and mounting hardware

Part No.	Description
581006	Gladhand Holder Kit
580009	Gladhand Holder Only

**Dummy Coupling**

**NEW**



Part No. 035036

Part No. 035100

- Durable zinc-plated steel construction for corrosion resistance
- 6-1/2" Coupling Length
- 8-1/2" Chain Length, 18" Cable

Part No.	Description
035036	Vented Dummy Coupling
035037	Non-Vented Dummy Coupling
035100	Dummy Shut-off gladhand

**HELPFUL HINT:**  
Improve leverage and reduce air hose kinks by using one of the two styles of gladhand grips

**Glad-Lock™**



- Rugged polypropylene gladhand lock helps prevent unwanted connections to tractors and trailers
- Universal design for use on many types of aluminum or iron gladhands
- Two keys furnished with each lock

Part No.	Description
035150	Glad-Lock

*GladhandL™, Glad-Lock™ and Stow-A-Way™ are trademarks of Velvac, Inc.*

**Line Identification Tags**



- 22 gauge aluminum construction with bright red enamel lettering
- 7/8" diameter hole

Part No.	Description
035025	Emergency Tag
035026	Service Tag

**AIR**

## Air Brake Hose



Part No.	Hose I.D.	Hose O.D.	Coil Length
022011	3/8"	3/4"	50'
022011-7	3/8"	3/4"	250'
022047	1/2"	7/8"	50'
022047-7	1/2"	7/8"	250'

See page 115 & 116 for applicable reusable fittings

- Manufactured to a minimum burst pressure of 870 psi
- Conforms to SAE J1402 and DOT -106 standards
- Performs within an operating temperature range of -40° to +200°F

## Air Brake Hose Assemblies



- Brake hose assemblies meet SAEJ1402 requirements
- Fittings are permanently swaged

(L) Length Inches	3/8" I.D. Hose 1/4" Ends	3/8" I.D. Hose 3/8" Ends	3/8" I.D. Hose 3/8" Ends	1/2" I.D. Hose 3/8" Ends	1/2" I.D. Hose 3/8" Ends	1/2" I.D. Hose 1/2" & 3/8" Ends
	One End Fixed One End Swivel	One End Fixed One End Swivel	Both Ends Swivel	One End Fixed One End Swivel	Both Ends Swivel	One End Fixed-1/2" One End Swivel-3/8"
9	147009	—	—	—	—	—
12	147012	—	—	148012	—	—
16	147016	—	—	148016	—	—
18	147018	146018	146518	148018	148518	149018
20	147020	146020	146520	148020	148520	149020
22	147022	146022	146522	148022	148522	—
24	147024	146024	146524	148024	148524	149024
26	147026	146026	146526	148026	148526	149026
28	147028	146028	146528	148028	148528	149028
30	147030	146030	146530	148030	148530	149030
32	147032	146032	146532	148032	148532	149032
34	147034	146034	146534	148034	148534	149034
36	147036	146036	146536	148036	148536	149036
38	147038	146038	146538	148038	148538	—
40	147040	146040	146540	148040	148540	—
42	147042	146042	146542	148042	148542	149042
44	147044	146044	146544	148044	148544	—
46	147046	146046	146546	148046	148546	149046
48	147048	146048	146548	148048	148548	149048
54	147054	146054	146554	148054	148554	—
60	147060	146060	146560	148060	148560	149060
72	147072	146072	146572	148072	148572	149072
84	—	146084	146584	148084	148584	—
96	—	—	146596	148096	148596	—

See page 115 for replacement swivel body adapters

## Slider Air Hose Assemblies with Spring Guard

**NEW**

Part No.	Length	Tube O.D.	Tube I.D.
149119	72"	3/8"	3/8"
149120	96"	3/8"	3/8"
149121	108"	3/8"	3/8"
149122	102'	3/8"	3/8"

Part No.	Length	Tube O.D.	Tube I.D.
149123	120"	3/8"	3/8"
149124	102"	1/2"	3/8"
149125	108"	1/2"	3/8"



### Air Compressor Discharge Hose



- Stainless steel braided outer jacket
- Extruded inner Teflon® tube prevents carbon buildup
- Withstands extreme temperatures of -100° to + 450°F
- Hose and reusable fittings can be assembled to produce air compressor discharge hose assemblies

Part No.	I.D.	O.D.	Coil Length	Recommended Working Pressure (psi)	Minimum Bursting Pressure (psi)	Minimum Band Radius
142113	1/2"	5/8"	25'	1500	8500	6-1/2"
142113-7	1/2"	5/8"	100'	1500	8500	6-1/2"
142114	5/8"	3/4"	25'	1200	6000	7-3/4"

See page 117 for applicable reusable fittings

### Air Compressor Discharge Hose Assemblies



- 5/8" straight tube x 5/8" compression fitting
- Hose measures 5/8" O.D., 1/2" I.D.

Part No.	Description
142118	18" Length
142124	24" Length
142130	30" Length
142136	36" Length
142148	48" Length



- 3/4" straight tube both ends
- Hose measures 3/4" O.D., 5/8" I.D.

Part No.	Description
142436	36" Length



- 5/8" straight tube both ends
- Hose measures 5/8" O.D., 1/2" I.D.

Part No.	Description
142324	24" Length
142336	36" Length



- Female swivel both ends
- Hose measures 5/8" O.D., 1/2" I.D.

Part No.	Description
142518	18" Length
142524	24" Length
142536	36" Length
142552	52" Length
142554	54" Length
142572	72" Length
142584	84" Length



- 5/8" compression fitting both ends
- Hose measures 5/8" O.D. 1/2" I.D.

Part No.	Description
142618	18" Length
142624	24" Length

### Rubber Air Line Hose



**NEW**

- Tractor to trailer air line hose assy

Part No.	Length
140139	10'
140140	12'
140141	15'
140142	20'

### Trailer Nose Box Hose Assembly



- Fits conventional and recessed trailer nose boxes
- Manufactured with 3/8" I.D., SAE Type A four spiral air brake hose
- One 1/2" swaged end fitting, one 1/2" reusable end fitting with spring
- 5-3/4" length
- Assembly meets SAE J1402 and FMVSS 106 requirements

Part No.	Description
140079	Trailer Nose Box Hose Assembly

**NOTE:** Replacement fitting assembly with spring available-see Part No. 500019 on page 116

### Air Brake Hose Repair Fitting

**NEW**



- Kit for easy repair of 3/8" rubber air brake hose
- One package contains two fittings and one hex installation tool, all in a clamshell for retail display
- One Package will repair two 3/8" rubber air brake hoses
- Male fittings feature pre-applied sealant
- Meets DOT 106 SAE J1402 requirements

Part No.	Fitting Size	Sloan	Tectran	Tramec
500007	3/8"	431402	70-31402	31402
500008	1/2"	431403	70-31403	31403

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AIR

## Coiled Nylon Tubing Assembly Kits

- Assemblies include permanently swaged 1/2" - 14 NPTF end fittings with heavy gauge spring for extra support
- Each Standard kit contains one Emergency (**RED**) and one Service (**BLUE**) 1/2" O.D. nylon tubing assembly
- Assemblies meet SAE J844 and FMVSS 106 requirements

12' Assembly Kit



- 6" lead on both ends

Part No.	Description
<b>022002</b>	Standard Kit
<b>022000</b>	Kit with Two Extra 3/8" End Fittings
<b>022004</b>	Emergency Only
<b>022009</b>	Service Only



15' Assembly Kit with Long Lead

- One 40" lead, one 12" lead

Part No.	Description
<b>022001</b>	Standard Kit
<b>022005</b>	Emergency Only
<b>022008</b>	Service Only



15' and 20' Assembly Kit

**NEW**

- 12" lead on both ends

Part No.	Length	Description
<b>022025</b>	15'	Standard Kit
<b>022026</b>	15'	Emergency Only
<b>022027</b>	15'	Service Only
<b>022030</b>	20'	Standard Kit
<b>022031</b>	20'	Emergency Only
<b>022032</b>	20'	Service Only

## Nylon Tubing

For air brake systems only - NOT for fuel line applications



- SAE Type A tubing is single wall extruded non-reinforced nylon
- SAE Type B tubing has seamless extruded nylon core with fiber reinforced protective nylon cover
- Can be used with either air brake or nylon tube fittings 150 psi maximum working pressure
- Withstands temperatures of -40° to +200° F

Tubing meets SAE J844 and FMVSS 106 requirements

Part No.					Tube O.D.	SAE Type	Coil Length
Black	Blue	Green	Red	Yellow			
<b>020062</b>	<b>020132</b>	<b>020142</b>	—	—	1/8"	A	100'
<b>020062-7</b>	—	—	—	—	1/8"	A	1000'
<b>020065</b>	—	—	—	—	5/32"	A	100'
<b>020065-7</b>	—	—	—	—	5/32"	A	1000'
<b>020066</b>	—	—	—	—	3/16"	A	100'
<b>020066-7</b>	—	—	—	—	3/16"	A	1000'
<b>020064</b>	<b>020134</b>	<b>020144</b>	<b>020154</b>	<b>020164</b>	1/4"	A	100'
<b>020064-6</b>	<b>020134-6</b>	<b>020144-6</b>	<b>020154-6</b>	<b>020164-6</b>	1/4"	A	1000'
<b>020052*</b>	—	—	—	—	5/16"	A	100'
<b>020053</b>	<b>020136</b>	<b>020146</b>	<b>020156</b>	<b>020166</b>	3/8"	B	100'
<b>020053-7</b>	<b>020136-7</b>	—	<b>020156-7</b>	<b>020166-7</b>	3/8"	B	500'
<b>020055</b>	<b>020138</b>	—	<b>020158</b>	<b>020168</b>	1/2"	B	100'
<b>020055-7</b>	<b>020138-7</b>	—	<b>020158-7</b>	<b>020168-7</b>	1/2"	B	500'
<b>020057</b>	—	<b>020157</b>	—	—	5/8"	B	100'
<b>020057-7</b>	—	—	—	—	5/8"	B	250'
<b>020059</b>	—	—	—	—	3/4"	B	100'
<b>020059-7</b>	—	—	—	—	3/4"	B	250'

See pages 111 - 115 for applicable fittings  
 \* Does not meet DOT or SAE specifications

## Tube Cutter



Part No.	Description
<b>090028</b>	Nylon Tube Cutter

## Cab Blower Kit



**NEW**

Part #149001

Part #149003

- Designed for truck cab or low pressure shop use
- Air hose rated at 200 psi max recommended operating pressure
- Kit includes hose, economy air nozzle, tire inflator and gladhand

Part No.	Description
<b>149001</b>	Cab Blower Kit-Rubber
<b>149002</b>	Air Blow Gun Assembly
<b>149003</b>	Cab Blower Kit - coiled Nylon

## Fifth Wheel Slider Coil



- Continuously returns to its original shape
- Flexes from 10" to 54"
- Includes (2) 1/4" tube 1/4" MPT fittings
- Temp range from -40° to 208°F
- Max. pressure rating of 150 psi
- Meets SAE J844 requirements

Part No.	Description
<b>022028</b>	Fifth Wheel Slider Coil

## Dash Control Valves (PP-1, PP-2, PP-3, PP-7 and PP-8 Styles)



**Part No. 034015**  
(as shown; top portion **only** is different)

- PP-1 Style
- Automatic pressure release at 40 psi
- 1/8" NPT supply port
- Knob and mounting nut sold separately (see page 44)

Part No.	Delivery Ports	Replaces
<b>034013</b>	(2) 1/8" NPT	<i>Bendix</i> 275175, 276566, 276567 & <i>Midland</i> KN20021
<b>034015*</b>	(2) 1/8" NPT	<i>Bendix</i> 279786, 281587
<b>034014</b>	(2) 1/4" NPT	<i>Bendix</i> 287417, 287600

\*Remote controlled - 1/4" - 20 female thread for knob or cable



- Direct replacement for *Bendix* 287238 & *Midland* KN20035
- PP-8 style
- Automatic pressure release at 20 psi
- 1/8" NPT supply, delivery (2) and exhaust ports

Part No.	Description
<b>034019</b>	Dash Control Valve



- Direct replacement for *Bendix* 275250, 276462
- PP-2 Style
- Automatic pressure release at 40 psi
- 1/8" NPT supply port
- (2) 1/8" NPT delivery ports
- 1/8" NPT brake valve port
- Knob and mounting nut sold separately (see page 44)

Part No.	Description
<b>034016</b>	Pressure Balanced Dash Control Valve



**Part No. 034080**  
(as shown; top portion **only** is different)

- PP-7 style
- Automatic pressure release at 40 psi
- Non-override at 25 psi
- 1/8" NPT supply and control ports
- 1/4" NPT delivery port
- 1/4" threaded exhaust port on Part No. 034079
- Knob and mounting nut sold separately (see page 44)

Part No.	Shaft Diameter	Replaces
<b>034051</b>	3/8"	<i>Bendix</i> 288239, 288721 & <i>Midland</i> KN20025
<b>034079</b>	5/16"	<i>Bendix</i> 106113, 288241
<b>034080*</b>	1/2"	<i>Bendix</i> 288242

\*Remote controlled - 1/4" - 20 female thread for knob or cable



**Part No. 034017**

**Part No. 034018**

- PP-3 Style
- Tripper exhausts at 30 psi and charges above 50 psi
- Plunger trips at 40 psi and charges manually
- 1/8" NPT supply port
- 1/4" NPT delivery port
- 1/4" NPT exhaust port
- Knob and mounting nut sold separately (see page 44)

Part No.	Description	Replaces
<b>034017</b>	Automatic Tripper Dash Control Valve	<i>Bendix</i> 288746
<b>034018*</b>	Automatic Tripper Dash Control Valve	<i>Bendix</i> 279787

\*Remote controlled - 1/4" - 20 female thread for knob or cable

## Push-Pull Dash Control Valve



- Direct replacement for *Midland* KN20030, KN20031
- Automatic pressure release at 25-35 psi
- All ports 1/4" NPT
- 1/4" - 28 thread size

Part No.	Description
<b>034055</b>	Dash Control Valve

## Pressure Reducing Valve (RV-1 Style)



- Direct replacement for *Bendix* 283590
- Used where a constant set pressure lower than supply pressure is required

- Adjustable-factory preset at 70 psi
- 1/4" NPT supply and delivery ports

Part No.	Description
<b>034085</b>	Pressure Reducing Valve

**Knob and Pin Kits**


Part No.	Description	Replaces
034049	Trailer Air Supply Knob and Pin Kit for PP-7 Style Dash Control Valve	Bendix 290655 & Midland KN20900
034050	Parking Brake Knob and Pin Kit for PP-1 Style Dash Control Valves	Bendix 248433 & Midland KN20903
034052	Plain Black Knob and Pin	Bendix 241866
034053	Pull to Park/Push to Release Parking Brake Knob and Pin Kit for PP-1, PP-2 and PP-3 Style Dash Control Valve	Bendix 240302
034054	Dash Control Valve Mounting Nut	Bendix 239357

**NOTE:** All knob kits include roll pin to secure to valve

**Tractor Protection Valve (TP-3 Style)**


- Direct replacement for Bendix 279000 & Midland KN34060
- 1/4" NPT tractor emergency port
- 3/8" NPT tractor service port
- 1/2" NPT trailer emergency and trailer service ports

Part No.	Description
034068	Tractor Protection Valve

**NOTE:** Always use this valve in conjunction with a PP-1, PP-3 or PP-7 style dash control valve (see page 43)

**Tractor Protection Valve (TP-5 Style)**


- Direct replacement for Bendix 288605
- Formerly VM-2 style control valve manifold
- 3/8" NPT service and trailer/emergency supply ports (rear)
- 1/4" NPT stop light switch port
- 3/8" NPT trailer control port
- 1/2" NPT trailer service and trailer emergency supply ports

Part No.	Description
034082	Tractor Protection Valve

**Dash Control Valve (MV-3 Style)**


- Direct replacement for Bendix 065157, 800516
- Combination PP-1 and PP-7 valve
- 1/4" diameter horizontal mounting holes at 4-7/32" O.C.
- 1/4" diameter vertical mounting at 3" O.C. mounting holes

Part No.	Description
034081	Dash Control Valve

**Modulating Relay Valve (R-7 Style)**


- Direct replacement for Bendix 103081, 283932
- 3/8" NPT supply and delivery (2) ports
- 1/4" NPT control and balance ports
- Spring brake release pressure of 95 psi

Part No.	Description
034023	Modulating Relay Valve

**Relay Valves (R-6 Style)**


- 1/4" NPT service port
- (4) 3/8" NPT delivery ports

Part No.	Supply Port(s)	Replaces
034020	(1) 1/2" NPT	Bendix 279180, 280375

034021	(1) 3/4" NPT (in mounting flange)	Bendix 279952
	(1) 3/8" NPT	

**Relay Valve (R-8 Style)**


- Direct replacement for Bendix 286370, 286371
- 1/4" NPT service port
- (2) 3/4" NPT supply ports
- (2) 1/2" NPT, (1) 1/4" NPT delivery ports
- 1/8" NPT balance port located under exhaust cover
- Cracking pressure 3 psi

Part No.	Description
034024	Relay Valve

**Double Check Valve (DC-4 Style)**


- Direct replacement for Bendix 278614 & Midland KN25060
- All ports 3/8" NPT
- May be mounted in any position

Part No.	Description
034062	Double Check Valve

**Relay Valves (R-12 and R-14 Styles)**

*R-12 Style*

*R-14 Style  
1/2" NPT*

*R-14  
1/8" NPT balance port  
located under exhaust  
cover*
**Relay Valve**


- Direct replacement for Midland KN28060
- 3/8" NPT control port
- (2) 1/2" NPT supply (reservoir) ports
- Crack pressure 4.6 psi
- (2) 3/8" delivery ports

Part No.	Style	Supply Port(s)	Delivery Ports	Replaces
034025	R-12	1/2" NPT	Vert.-(4) 1/2" NPT	Bendix 102166, 102626
034026	R-12	(2) 3/4" NPT	Horiz -(2) 1/2" NPT	Bendix 103009
034027	R-14	(2) 3/4" NPT	Horiz -(2) 1/2" NPT	Bendix 103010
034028	R-14	1/2" NPT	Vert.-(4) 1/2" NPT	Bendix 103028

Part No.	Description
034059	Relay Valve

**Relay Valves (RG-2 Style)**


- Fast, low cracking pressure - 5 psi
- 1/4" NPT control port

Part No.	Reservoir Ports	Delivery Ports	Replaces
034056	(2) 3/8"	(2) 3/8"	Midland KN28500
034057	(1) 3/8", (1) 1/2"	(2) 3/8"	Midland KN28510
034058	(2) 1/2"	(2) 1/2"	Midland KN28520

**Relay Emergency Valve (RE-6 Style)**


- Direct replacement for Bendix 281865
- 1/4" NPT service and emergency ports
- (1) 3/4" NPT, (1) 3/8" NPT supply ports
- (2) 3/8" NPT, (2) 1/4" NPT delivery ports

Part No.	Description
034029	Relay Emergency

**Relay Emergency Valves**

*Part No. 034066*

- 1/4" NPT delivery and service control ports
- 1/2" NPT supply port


*Part No. 034067*

- 1/4" NPT service and emergency inlets
- (4) 3/8" NPT delivery ports
- 3/4" NPT reservoir
- Crack pressure 3 psi


*Part No. 034069  
(w/ratio feature)*

- (4) 3/8" NPT delivery ports
- 1/4" NPT emergency & service control ports
- 3/4" NPT reservoir port

Part No.	Description	Replaces
034066	Relay Emergency Valve	Sealco A-1000
034067	Relay Emergency Valve	Midland KN30400 & Wagner A99036
034069	Relay Emergency Valve	Sealco 110200

**Multi-Function Trailer (RT-4 Style)**


- Direct replacement for Midland KN26000
- 3/8" NPT trailer supply and control ports
- 1/2" NPT and 3/8" NPT reservoir ports

- (4) 3/8" NPT delivery ports
- PPV closing pressure at 55 psi

Part No.	Description
034063	Multi-Function Trailer Valve

**Air Governors (D-2 Style)**


- Factory preset opening and closing pressures of 100 to 120 psi
- (6) 1/8" NPT ports and two mounting holes
- Mounting gasket and (4) 1/8" socket head pipe plugs included
- High temperature governor designed with high temperature withstanding O-rings
- Individually boxed

Part No.	Description	Replaces
032131	Air Governor	Bendix 275491 & Midland KN18530
034083	High Temperature Air Governor	Bendix 284358 & Midland KN18534

**Foot Valves (E-3, E-6 and E-7 Styles)**


- Direct replacement for Bendix 277863 & Midland KN22100
- E-3 Style
- 1/2" NPT supply and delivery ports
- (2) 1/4" NPT auxiliary supply ports

Part No.	Description
034038	Single Circuit Brake Valve



- Direct replacement for Bendix 286171 & Midland KN22140 and KN22150
- E-6 Style
- 3/8" NPT supply and delivery ports

Part No.	Description
034039	Dual Circuit Brake Valve


*Part No. 034040*

*Part No. 034077*

- E-7 Style
- Dual circuit valves
- 1/2" exhaust port with diaphragm
- Three mounting holes-firewall mounted
- O-rings included

Part No.	Side Ports	Rear Ports	Application	Replaces
034040	(2) 1/4" Supply	No Threads	Ford	Bendix 284760
034077	(4) 1/4" Supply (4) 1/4" Delivery (Threaded)	1/8" Supply (2) 1/2" Supply (2) 1/2" Delivery	Navistar	Bendix 288383

**Spring Brake Valve (SR-1 Style)**


- Direct replacement for Bendix 286364
- 1/4" NPT reservoir, control, supply and delivery ports
- 55 psi reservoir trip pressure
- Bracket mounted

Part No.	Description
034030	Spring Brake Valve

**Trailer Spring Brake Valves (SR-2 and SR-4 Styles)**

*Part No. 034031*

*Part No. 034032*

- SR-2 style valves
- 1/4" NPT service reservoir (2) and trailer supply ports
- (4) 3/8" NPT delivery ports
- 1/4" NPT trailer service port on Part No. 034031

Part No.	Reservoir Port	Replaces
034031	1/2" MPT	Bendix 103061
034032*	3/4" MPT	Bendix 287376

\*Does NOT have trailer service port for anti-compound



- SR-4 style valves
- 1/4" NPT reservoir charging (2), trailer supply and trailer service ports
- (4) 3/8" NPT delivery ports

Part No.	Reservoir Port	Replaces
034033	3/4" MPT	Bendix 101112
034034	1/2" MPT	Bendix 101622

**Trailer Spring Brake Valve (SR-5 Style)**


- Direct replacement for Bendix 065437
- 3/4" MPT reservoir mounting port
- 1/4" NPT service/spring brake reservoir, service, trailer supply and trailer service ports

- (4) 3/8" NPT delivery ports
- Anti-compounding

Part No.	Description
034035	Trailer Spring Brake Valve

**In-Line Quick Release Valves**


Part No. 032019



Part No. 032020

- Speeds up release of trailer service brakes when installed on service side gladhand
- Speeds up application of trailer parking brakes when installed on emergency side gladhand
- Suitable for use on double or triple trailers
- Durable zinc die cast bodies
- Flow Rate: Forward - 9.0 SCFM at 2 psi; Exhaust - 8.0 SCFM at 2 psi
- 1/2" - 14 MPT with Vibraseal thread sealer one end, 1/2" - 14 FPT other end.
- 1-1/2" diameter x 3-1/2" long

Part No.	Description
032019	Mounts Between Tractor Protection Valve and Air Lines
032020	Mounts at tractor Gladhand

**Quick Release Valves (QR-1 Style)**


- 3/8" NPT exhaust port
- (2) 11/32" mounting holes at 1-1/2" on center
- Cracking pressure of 1 psi

Part No.	Delivery Ports	Supply Ports	Replaces
032015	3/8" NPT	3/8" NPT	Bendix 229859, 288251 & Midland KN32005
032018	3/8" NPT	1/2" NPT	Bendix 229860 & Midland KN32011
034078	1/4" NPT	3/8" NPT	Bendix 229813

**Quick Release/Double Check Valve (QR-1C Style)**


- Direct replacement for Bendix 289714 & Midland KN32041
- 1/4" NPT supply and balance ports
- (2) 3/8" NPT delivery ports
- (2) 11/32" diameter mounting holes at 1-1/2" on center
- Supply and delivery differential is 1 psi max

Part No.	Description
034012	Quick Release Valve

**Limiting and Quick Release Valves (LQ-2 and LQ-4 Styles)**


- Direct replacement for Bendix 229505
- LQ-2 Style
- Limits front axle service brake application by 50% and serves as a quick release valve for that axle - commonly found on pre-121 (pre-1985) vehicles
- 3/8" NPT supply, delivery and exhaust ports
- 1/4" NPT control port
- 19/32" diameter mounting holes at 1-1/2" on center

Part No.	Description
034084	Limiting and Quick Release Valve



- Direct replacement for Bendix 289144
- LQ-4 Style
- For limiting front axle pressure
- 3/8" NPT supply and delivery ports
- (2) 19/32" diameter mounting holes at 1-1/2" on center
- Nominal hold off pressure of 4 psi
- Nominal equalizing pressure of 60 psi

Part No.	Description
034036	Limiting and Quick Release Valve

AIR

### Air Tractor Control Kits

- Kits add hand and foot control to trucks with pre-FMVSS 121 air brakes hauling an air brake trailer (for trucks with FMVSS 121 air brakes, consult the truck manufacturer)
- Hose assembly jumper lines and support springs included with kit (kit No. 131012 only)
- Hand control valve included (except for Part No. 131016). This normally closed valve has 1/4" FPT inlet/outlet/exhaust ports and an 1/8" FPT pressure gauge port (180 psi

maximum supply pressure) - hand control valve also sold separately

- **NOT FOR ABS APPLICATIONS**



Part No.	Description
131012	Kit for Tractor Installations
131014	Kit for Dump Truck Installations
131016	Kit for Dump Truck Installations without Hand Valve
032051	Hand Control Valve

## AIR ACCESSORIES VALVES

### Universal Fan Clutch Drive Solenoid Kit

*Five year guarantee against failure under normal operating conditions!*



**Nominal Voltages:** 12 VDC  
**Working Voltage:** 11 -16 VDC  
**Maximum Operating Pressure:** 150 psi  
**Exposure Temperature:** 200 ° F (max)  
**Mounting Hole:** 3/8"  
**Ports:** (3) 1/8"-27 FPT

- Universal kit replaces existing solenoids found on Kysor, Bendix and Horton fan clutches
- Kit includes valve, wire harness with Weather-Pack sealed connectors, exhaust shield, in-line filter and butt connectors

Part No.	Description
032192	Universal Solenoid Kit
032194*	Replacement Solenoid
032190	Replacement In-Line Filter
032191	Replacement 1/8" NPT Exhaust Vent

\*Valve may also be used for shutter stat solenoid applications. Replaces Navistar numbers 450284C91 and 1692761C91 for this use

### Three-Way Solenoid



- Provides on/off exhaust function
- Inlet port normally closed-  
*for intermittent use only*
- (2) 1/4" FPT ports
- 12 VDC
- 100 - 120 psi operating pressure
- 2-9/32" diameter mounting holes on 2-1/2" centers

Part No.	Description
320051	Three-Way Solenoid

**NOTE:** Always use in conjunction with a momentary contact switch (see Part No. 090202 on page 81)

### Air Solenoid Valve



- Direct replacement for Neway 90054075 (normally open)
- 12 VDC, 10 watts
- Intermittent use only
- 100psi maximum operating pressure
- 1/4" threads

Part No.	Description
034075	Air Solenoid Valve

### Tag Axle Control Solenoid Valve



- Direct replacement for Midland/Haldex & Neway 90554662
- Operates auxiliary lift axle
- 3/8" NPT ports
- 12 VDC
- 72" lead
- 150 psi maximum operating pressure

Part No.	Description
034094	Solenoid Valve Assembly

### Power Take-off and Dump Pump Control Valve Kit



- Replaces Chelsea 328388-79X
- Kit includes combo control valve with 1/4" built-in push-to-connect fittings, in-line fuse holder with 9 amp fuse, cable, pressure protection valve 1/4" nylon tubing (50') and fittings-control valve assembly also sold separately

Part No.	Description
032144	PTO and Dump Pump Control Valve Kit
032142	Combo Control Valve (Feathering Valve)
034073	PTO Cable
032086	Pressure Protection Valve

### Power Take-Off Four-Way Control Valve



- Replaces Chelsea 328865X
- Panel-mounted, three position valve
- 1/8" - 27 NPTF
- 150 psi maximum operating pressure
- Operating temperature range from -20° to +200° F

Part No.	Description
032145	PTO Four-Way Control Valve Assembly

### Power Take-Off Air Shift Kit



- Power take-off kit controls add-on air-controlled accessories
- Kit includes control valve, indicator light, 1/4" nylon tubing (50) and fittings, cable, bracket and pressure protection valve. Control valve assembly, indicator light and cable also sold separately

Part No.	Description
034070	Power Take-Off Air Shift Kit
034071	Air shift Valve Assembly
034072	Indicator Light
034073	PTO Cable
032086	Pressure Protection Valve

### Power Take-Off Combo Control Valve with Shift Tower



- Combo valve controls PTO and dump pump operations
- 1/4" brass push-to-connect fittings included on valve assembly
- Shift tower measures 4-5/8" x 3-5/8" x 8" H overall with 2" access hole and mounting holes 4-1/4" on center

Part No.	Description	Replaces
032143	PTO Combo Valve with Shift Tower	-----
032142	Combo Control Valve (Feathering Valve)	Chelsea 329358X
032146	Control Valve Shift Tower	Chelsea 329219X

### Air and Air-Electric Three-Way Toggle and Flipper Valves



Part No.	Photo	Description	Toggle Style	Lever Position	Primary Vehicle Application*
032225	A	Air-Electric Toggle Valve	Paddle	—	Kenworth, Volvo
032227	B	Air-Electric Toggle Valve	Blade	—	Mack
032228	C	Air-Electric Toggle Valve	Bat	—	Peterbilt
032229	D	Air Toggle Valve	Paddle	—	Kenworth, Volvo
032231	E	Air Toggle Valve	Blade	—	Mack
032232	F	Air-Electric Flipper Valve	—	Right Off	Freightliner
032234	F	Air-Electric Flipper Valve	—	Right Off	Navistar
032235	F	Air-Electric Flipper Valve	—	Right On	Navistar
032233	G	Air Flipper Valve	—	Right Off	Freightliner
032236	G	Air Flipper Valve	—	Right Off	Navistar

\*These are only primary listings-valves are universal and suitable for a variety of applications

- Push-connect fittings mate easily with 1/4" nylon tubing for easy installation
- 150 psi maximum operating pressure
- ON-OFF Faceplate Part No. 032039 fits air-electric and flipper valves. Part Nos. 032232, 032233, 032234 and '032236 and installs using 10-24 x 1/4" screw

#### Air-Electric Valves Technical Information

**Switch Off Position:** No air flow, electrical contacts open

**Switch On Position:** Air flows through valve, electrical contacts closed

**Amperage:** 5 amp resistive current load at 12 VDC

**Terminal Size:** 1/4" blade Terminal Size

**Pressure Switch:** Open below 10 psi, closed above 35 psi

### Transmission Selectors



Part No.	Description
032400	Trans Selector A4487
032401	Trans Selector A4490
032402	Trans Selector A4491

### Transmission Range



Part No.	Description
032403	Range Value A-6909
032404	Range Value A-6913
032405	Range Value A-6915
032406	Range Value A-6918

### Universal Air Accessory Dash Valves

- Two position, three-way air valves
- Include DOT compliant (FMVSS 106) push-to-connect fittings for 1/4" tubing
- Built-in standard four pin electrical connector for backlit function
- Additional rear port used to easily jumper air lines between valves
- Fit standard 22 mm x 44 mm openings, easily replacing valves found on many current model trucks

**Operating Temperature:** -10° to +160° F

**Rated Pressure:** 150 psi maximum

**Rated Current Load:** 1 amp at 14 VDC (max.)

**Electric Connector:** Valve connector mates with Metri-Pack 150 Series connector Part No. 12045813 with female terminals (for reference only-not available from Velvac and not included)



Part No.	Description
032247	Inter-Axle Differential Lock Dash Valve
032248	Fifth Wheel Slide Dash Valve
032249	Air Suspension Dump Dash Valve
032250	Power Take Off Dash Valve
032253	Universal Dash Valve
032022	Inter-Axle Differential Lock Dash Valve
032023	Differential Lock Dash Valve

### Universal Three-Way Toggle Valve



- 1/8" NPT supply and delivery (2) ports
- Includes chrome-plated flip handle
- Faceplate sold separately-install using a 10-24 x 1/4" screw

Part No.	Description
032037	Universal Three-Way Toggle Valve
032039	Faceplate-On/Off

### On/Off Air Control Toggle Valve



- Replaces Mack 20-QE39311
- 1/8" NPT inlet and outlet ports
- Includes mounting washer and nut

Part No.	Description
032138	On/Off Air Control Valve

**Height Control Valves -**
**Standard Leveling Valve, Cab Leveling Valve and a Rapid Dump Feature valve**
**The Shear-Seal® Advantage**

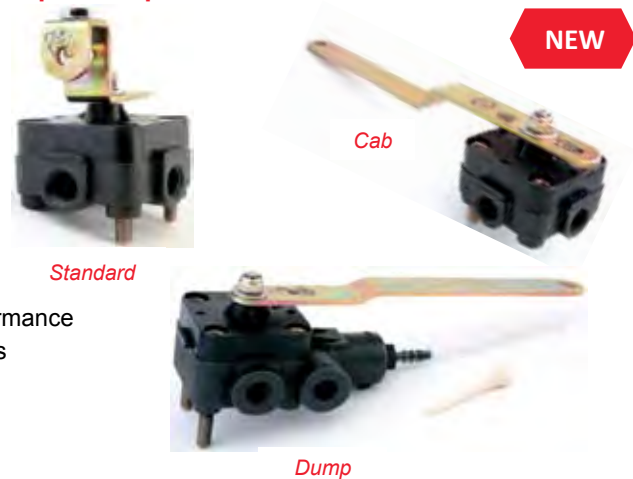
In the past industry expectations for commercial vehicle air suspension height control valves was limited. Designs were based on seals that wore rapidly, requiring frequent replacement. As the seals failed, height control performance deteriorated and air consumption increased. Valve replacement and downtime costs were rising with trucking demand.

**The Shear-Seal® Solution:**

- Provides breakthrough improvements in durability and performance
- Over 40 years of heavy duty demanding industry applications such as: steel and paper mills, oil exploration and processing and defense
- Zero lead technology reduces downtime and costly air loss

**The Shear-Seal® Principle**


- Based on the sliding of two precisely machined metal sealing surfaces across each other creating a zero-leak\* seal
- Media passes through the center of the seals rather than across the seal surface preventing contamination from entering the seal areas
- As the valve shifts, the wiping action of the polished metal seals pushes away debris
- Precision engineering and manufacturing combine for unmatched performance and reliability
- These valves are actual OEM valves used in production



Part No.	Description	Ports	Replaces	Used with Vehicles
034101	Cab Valve	1/4" NPT	WABCO S464 007 004-0 Barksdale KD2355	International cab, Peterbilt cab
034111	Standard Chassis Valve	1/4" NPT	WABCO S464 002 443-0 Barksdale KD2356 Midland KN 27000	International chassis
034112	Standard Chassis Valve	1/4" NPT	Hadley/Neway 90054007, Barksdale KD2357	Kenworth chassis
034113	Standard Chassis Valve	1/4" NPT	Delco King of the Road 12C-1 (KOR 5549705) & 12-6-2 (KOR 5549706), Barksdale KD2373	Volvo chassis
034114	Standard Chassis Valve	1/4" NPT	Hadley H00450CE Barksdale KD2375	Volvo/ Mack chassis
034122	Dump Valve	1/4" NPT	Hadley H00500RS Barksdale KD2358	International chassis
034123	Dump Valve	1/4" NPT	WABCO 464 008 115-0 Barksdale KD2359	Volvo chassis
034124	Dump Valve	1/4" NPT	International 2506169C91 Hadley HAD500NS, Barksdale KD2360	International chassis w/dump, Peterbilt chassis w/dump
034126	Dump Valve	1/4" NPT	HalDEX PR 90554950 & 90554945, Barksdale KD2374	Kenworth chassis w/dump Volvo chassis

**NOTE:** See photos on page 52

\*Zero-leak is less than 4CC per minute

Shear-Seal® is a registered trademark of Barksdale Control Products

**Shear-Seal® Height Control Valve**

**NEW**



Part No.  
034122

Part No.  
034123

Part No.  
034124

Part No.  
034112

Part No.  
034101

Part No.  
034126

Part No.  
034113

Part No.  
034114

Part No.  
034111

**Shear-Seal® Height Control Valve Linkage and Hardware**

**NEW**

**Adjustable Linkage**

- Adjusts for 8-3/4" to 14-1/2"
- 1/4" diameter mounting bolts
- Zinc plated steel rods
- Elastomer ends



Adjustable Linkage

Part No.  
034135

Part No.  
034136

Part No.	Description
034130	Adjustable Linkage - adjustment range 6.9-9.6 inches
034131	Adjustable Linkage - adjustment range 9.8-11.5 inches
034132	Adjustable Linkage - adjustment range 10.9-13.6 inches
034133	Adjustable Linkage - adjustment range 12.8-19.0 inches
034134	Linkage Hardware - 5/16-18 thread
034135	Linkage Hardware- 1/4-20 thread
034136	Linkage Hardware - 8mm course thread



Part No.  
034134

## Height Control Valves



Part No. 032139



Part No. 034065-Delayed Response\*\*



Part No. 034064-Immediate Response



Part No. 032140



Part No. 032141-Immediate Response\*

Part No.	Ports	Description	Replaces
032139	1/8" NPT	Includes Linkage and Brackets	Hadley H600
032140	1/4" NPT	Valve Only	Midland/Haldex & Neway 90554241
032141*	1/4" NPT	Includes Built-In Dump Valve	Midland/Haldex & Neway 90554271
034064	1/4" NPT	Includes Linkage Kit	Midland KN27000
034065**	1/8" NPT	Includes Fitting Package	Neway 90054007

\* Normally open dump feature; needs air pressure to dump from air spring

\*\*7-12 seconds prior to releasing air to air bags; also known as self-leveling

## Air Horn Actuator Valves



- Direct replacements for air horn valves found on many trucks
- Replace similar valves from both Grover and Hadley
- Molded mounting bracket and push-connect fittings provide easy installation

Part No.	Photo	Description	Ports	Vehicle Application
032240	A	Single Outlet	(3) 1/4"	Kenworth
032241	A	Dual Outlet	(3) 1/4"	Kenworth
032242	B	Dual Outlet	(3) 1/4", (1) 3/8"	Freightliner
032243	B	Single Outlet	(3) 1/4", (1) 3/8"	Freightliner
032244	C	Medium-Duty	(2) 3/8"	Navistar
032245	D	Conventional Cab	(2) 3/8"	Navistar
032246	E	Cab over	(2) 3/8"	Navistar

## Rapid Dump Air Suspension Valve



- Replaces Humphrey 250A N/O valves
- Pilot operated
- Dual delivery design allows for in-line plumbing of air spring lines and eliminates need for tee fittings
- (4) 1/8" FPT ports
- Mounts on either right or left frame rail using 1/4" mounting holes

Part No.	Description
032195	Rapid Dump Air Suspension Valve

### Pressure Protection Valves



- Normally closed
- Nominal closing pressure 65-75 psi
- (2) 1/4" FPT ports
- 150 psi maximum operating pressure

Part No.	Description
032086	Pressure Protection Valve



PR-4 Style

- Direct replacement for Bendix 286500
- 1/4" NPT supply and delivery ports
- 85 psi nominal closing pressure
- Non-adjustable

Part No.	Description
034037	Pressure Protection Valve

### Three-Way Pilot Valve



- Direct replacement for Neway 90054079
- For Neway suspension systems
- 1/4" NPT supply/delivery/exhaust ports

Part No.	Description
034074	Three-Way Pilot Valve



- Designed for convenient in-tank mounting on tanks with dual outlet ports
- All valves *except* Part No. 032221 include Vibraseal sealant on mounting thread for easy installation

Part No.	Inlet Port (NPTM)	Outlet Ports (NPTF)	Nominal Opening Pressure (psi)	Nominal Closing Pressure (psi)	Primary Vehicle Application*
032216	3/8"	3/8"	55	45	Freightliner
032217	3/8"	3/8"	85	67	Ford
032218	1/2"	3/8"	55	45	Freightliner
032219	1/2"	3/8"	85	67	Freightliner
032220	1/2"	1/4"	65	55	Peterbilt
032221	1/2"	1/4"	100 (max)	70 (min)	Kenworth
032222	1/4" (Hex Nipple)	1/4"	100 (max)	70 (min)	Mack**

\* These are only primary listings-valves are universal and suitable for a variety of applications

\*\* Replaces Mack number 20QE2326A

### Height and Lumbar Control Seat Valves



- Valves control air ride truck seats and lumbar supports
- Available in push/pull and paddle type configurations
- Spring-loaded, three-way function
- Electro-pneumatic combination valve designed to operate air seats using an electric air compressor
- Designed to replace valves on seats by major manufacturers such as Bostrom, National and Sears

Part No.	Photo	Description	Ports	Primary Seat Application*
032110	A	End and Side Ported with Removable Chrome Knob	(2) 1/8" FPT	Various
032205	B	End Ported with Removable Chrome Knob	(2) 1/8" FPT	Various
032206	C	Electro-Pneumatic with Removable Black Knob and Two 1/4" Blade Terminals	(1) 1/8" FPT	Various
032201	D	Paddle Type	(2) 3/16" Barbs	Bostrom

\*These are only primary listings-valves are universal and suitable for a variety of applications

### Air Pressure Gauge



- 1-1/2" diameter dial
- Accommodates a 1/8" FPT port
- Pressure range of 0 - 160 psi

Part No.	Description
035065	Air Pressure Gauge

### Pressure Regulator Valve



- A compact, high quality in-line pressure regulator with gauge and bracket kit, rated to 125 psi with 1/4" NPT ports

Part No.	Description
320149	Pressure Regulator Valve

### Low Air Pressure Warning Light



- 12 volt red light
- Uses #57, 1895 or 293 bulb
- Mounts through 3/4" hole
- Complete with low air face plates

Part No.	Description
036049	Low Air Pressure Warning Light Assembly
002063	Replacement Red Pilot Light
036045	Replacement Faceplate

*NOTE: Use in conjunction with a low pressure switch part Nos. 0304041, 034042 or 175043*

### Brake Light Switch (SL-4 Style)



- Direct replacement for Bendix 228600
- 1/4" NPT supply
- Actuates at 3-5 psi

Part No.	Description
036036	Stop Light Switch

### Low Air Warning Buzzer



- 12 volt buzzer
- 9/32" diameter mounting holes

Part No.	Description
036043	Low Air Warning Buzzer

*NOTE: Use in conjunction with a low pressure switch, Part No. 034041 or 034042*

### Pressure Regulator Valve



- Direct replacement for Bendix 217380 & Midland KN31070
- Non-exhaust type regulator
- 3/8" NPTF delivery and supply ports
- 10-125 psi adjustable pressure gauge

Part No.	Description
032060	Pressure Regulator Valve

### Low Pressure Indicators (LP-3 Style)



- 1/4" NPT supply
- Automatic pressure release at 60 +/- 6 psi

Part No.	Description	Replaces
034041	Single Terminal	Bendix 279416
034042	Double Terminal	Bendix 228750

*NOTE: Use in conjunction with either warning buzzer Part No. 036043 or warning light Part No. 036049*

### Air Dryer Replacement Cartridges



Part No. 034046



Part No. 034047



Part No. 034048

- All include seal rings

Part No.	Description	Replaces
034046	Fits AD-SP Type Air Dryers	Bendix 109994, Bosch 1-487-434-901 & WABCO 432-410-020-2, 432-420-220-2 (also fits System Saver 1200)
034047	Fits AD-4 Air Dryers	Bendix 103981, 104358
034048	Fits AD-9 Air Dryers	Bendix 107794, 107796

### AD-9 Air Dryer Rebuild Purge Kits



Part No. 034087



Part Nos. 034088, 034089

- Installation instructions and all necessary lubricants included
- 12 and 24 VDC heater/thermostat kits also sold separately and include heater/thermostat assembly, seal rings and mounting hardware

Part No.	Description	Replaces
034087	Purge Valve Kit w/ Purge Piston Assembly	Bendix 5005037, 5004336, 5004337, 107798
034088	Purge Assembly Kit - 12 Volt (includes Aluminum Purge Housing, Purge Valve Kit and 12 V Heater/Thermostat Kit	Bendix 800405
034089	Purge Assembly Kit -- 24 Volt (includes Aluminum Purge Housing, Purge Valve Kit and 24V Heater/Thermostat Kit	Bendix 5004338
034092	Heater/Thermostat Kit Only - 12 Volt	Bendix 109578
034093	Heater/Thermostat Kit Only - 24 Volt	Bendix 109579

### Air Dryer Wiring Harness



- Direct replacement for Bendix 109869, 109871, 298948
- Fits both 12 and 24 volt AD-9, AD-SP, AD-IP and System Saver 1200 units
- 22" leads

Part No.	Description
034091	Air Dryer Wiring Harness

### Safety Valves (ST-3 and ST-4 Styles)



Part No. 030075

Part No. 030074

- ST-3 Style
- Automatic Pressure release at 150 psi
- 1/4" NPT
- Adjustable valve preset to 125 psi by factory; adjustable from 41-149 psi

Part No.	Description	Replaces
030075	Safety Valve	Bendix 284142 & Midland KN31200, KN31400

030074	Adjustable Safety Valve	Bendix 205105
--------	-------------------------	---------------

- ST-4 Style
- 1/4" NPT
- Automatic pressure release at 175 psi
- Low profile valve fits AD-9, AD-SP, AD-IP, and System Saver 1200 air dryers



Part No. 034090

Part No.	Description	Replaces
034090	Safety Valve	Bendix 800350

### Automatic Reservoir Drain Valve (DV-2 Style)

- Direct replacement for Bendix 281923 & Midland KN24000
- All ports 3/8" NPT



Non-heated

Part No.	Description
034043	Automatic Reservoir Drain Valve

### Single Check Valves



Part No.  
034044

Part No. 320014

Part No. 320001

Part No. 034045

Part No. 320003

Part No.	Description	Replaces
034044	1/4" Threads	Bendix 229603, 800375
320014	3/8" Threads	Bendix 227870, 800373 & Midland KN23010
320001	1/2" Threads	Bendix 227717, 227788, 227871, 800372 & Midland KN23000
034045	1/2" Female Threads	Bendix 800370
320003	3/4" Threads	Midland KN23040

### Air Tank Drain Cocks



Part No. 036003

Part No.  
036019

Part No.  
036021

- 1/4" MPT

Part No.	Description
036003	Lever Handle Drain Cock
036019	Back Seating Drain Cock
036021	Wing Handle Drain Cock

### Drain Pull Valves



- Attached vinyl coated aircraft cable
- .075" diameter cable
- 1/4" MPT
- 120 psi maximum pressure

Part No.	Description
032135	Valve with 3' Cable
032058	Valve with 4' Cable
032082	Valve with 5' Cable
032160	Valve with 5' Cable Uncrimped on Free End- Includes One Extra Sleeve
032081	Valve Without Cable
032170	100' Bulk Cable
032083	Replacement 5' Cable and Sleeves
032185	Replacement Cable Sleeve

## SLACK ADJUSTERS

### Manual Slack Adjusters



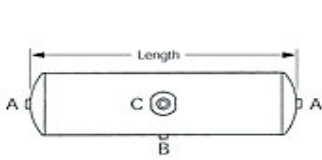
- Straight arm, standard duty slack adjusters with bronze bushings
- 22,000 in.-lbs. Rating in accordance with SAE Test J1461 Draft 4

- Five rivet design
- 26,000 in.-lbs. maximum torque rating

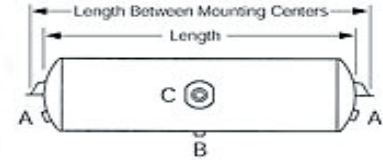
Part No.	Spline	Drilling	Replaces
035120	1.60"-37	6"	Bendix 283411, Midland KN44041 & Euclid E1574HD
035121	1.60"-37	5", 6", 7"	Midland KN44042
035122	1.50"-28	5", 6"	Bendix 286965, Midland KN44051 & Euclid E2458
035123	1.50"-28	5-1/2", 6-1/2"	Bendix 288753, Midland KN44061 & Euclid E2459HD
035124	1.50"-28	5", 6", 7"	Bendix 288282, Midland KN44071 & Euclid E2458HD
035125	1.50"-10	5", 6", 7"	Bendix 278323, Midland KN47001 & Euclid E612HD
035126	1.50"-10	5-1/2", 6-1/2"	Bendix 278321, Midland KN47011 & Euclid E940HD
035127	1.50"-10	5", 6"	Bendix 278312, Midland KN47081 & Euclid E1063HD
035128	1.25"-10	5", 6"	Bendix 278303, Midland KN48001 & Euclid E939
035129	1.25"-10	5", 6", 7"	Bendix 278305 & Midland KN48002
035130	1.25"-10	4-1/2", 5-1/2"	Bendix 278302, Midland KN48031 & Euclid E4904
035131	1.25"-10	4-1/2", 5-1/2" (Right Hand Offset)	Bendix 278294, Midland KN49000 & Euclid E2762RH
035132	1.25"-10	4-1/2", 5-1/2" (Left Hand Offset)	Bendix 278295, Midland KN49010 & Euclid E2763LH

## Air Tanks

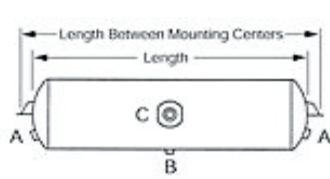
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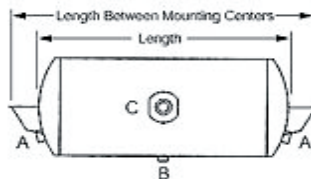
Type 1 - Bracket Mounted



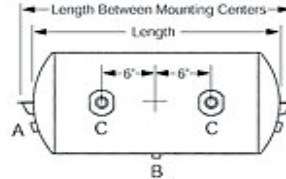
Type 2 - Flange Mounted



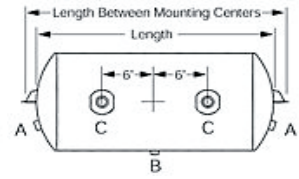
Type 3 - Flange Mounted



Type 4 - Flange Mounted



Type 5 - Flange Mounted



Type 6 - Flange Mounted

- All tanks feature dual main ports except Part No 035103
- All steel construction
- All tanks are water tested prior to shipping
- Dipped tanks are rust resistant and primer sealed
- Internally corrosion resistant
- Tanks meet SAE J10 requirements

Part No.	Tank Type	Diameter	Length	A	B	C	Cu. In. Capacity	Mounting Centers
035103*	1	8"	29-1/4"	1/2"	1/4"	3/4"	1425	—
035101	2	8"	29-1/4"	3/8"	1/4"	3/4"	1425	32"
035102	3	8"	29-1/4"	3/8"	1/4"	3/4"	1425	32"
035106	3	9-1/2"	22-1/2"	3/8"	1/4"	3/4"	1488	27-1/2"
035104	4	9-1/2"	22-1/2"	3/8"	1/4"	3/4"	1488	27-1/2"
035105	4	9-1/2"	22-1/2"	1/2"	1/4"	3/4"	1488	27-1/2"
035108	3	12"	27"	3/8"	1/4"	3/4"	2850	29-1/2"
035107**	5	12"	27"	3/8"	1/4"	3/4"	2850	29-1/2"
035109**	6	12"	27"	3/8"	1/4"	3/4"	2850	29-1/2"

\* This tank can also be used for vacuum applications - see also mounting brackets

Part No. 501051

\*\* Dual main ports on same side of tank-ports are 12" apart on center

### Air Tank Check Valve Kit

- Provides a second dry air reservoir
- Kit includes 1425 cu. in. air tank, mounting brackets, one-way check valve, reducer bushing and 1/4" drain plug

Part No.	Description
131045	Air Tank Check Valve Kit

### Air Tank Mounting Brackets



- For tanks up to 8-3/16" in diameter

Part No.	Description
501051	Air Tank Mounting Brackets

### Air Brake Chambers



- Direct replacements for all popular service brake chambers
- Fully threaded shaft for maximum adjustability
- All include mounting hardware, clevis and cotter pin

Part No.	Diameter	Type	Working Stroke
030013	5.785"	12	1-3/4"
030015	6.5"	16	2-1/4"
030017	7"	20	2-1/4"
030019	7.5"	24	2-1/2"
030021	8.25"	30	2-1/2"
030024	9"	36	2-3/4"

### Air Brake Diaphragms



- Gas and oil resistant
- Rubber/neoprene blend
- Fabric reinforced for extra strength and long life

Part No.	Diameter	Type
031021	6"	9
031023	5.5"	12
031025	6"	16
031027	6.5"	20
031031	7"	24
031033	8"	30
031035	9"	36

Anodized aluminum clear-coated bodies • Nitrile seals for long cycle life • High impact knobs  
 Balanced spool design • Operating temperature range from -40 F to + 180 F  
 •Stainless steel hardware • Normal operating pressure 100 psi

## Four-Way Push/Pull Valves



Both faceplates included

- Aluminum shaft with stainless steel extension and delrin detent ring provides easy ID of valve position
- Threaded aluminum mounting boss for 1" dia. Through hole mounting (nuts included)
- (3) 9/32" dia. Body mounting holes
- (5) 1/4" -18 FPT ports
- Normal operating pressure 100 psi
- Includes two faceplates:  
 Pull to Open/Push to Close  
 Pull to Raise/Push to Lower

### APPLICATIONS FOR VALVES

- Two position valve operates any double acting air cylinder
- Three position valve operates systems where full air or vacuum pressure must be isolated

Part No.	Description
320121	2-position valve
320122	3-pos, holding type valve
320125	Replacement knob, faceplates and nuts

## Viper™ Four-Way Push/Pull



- One piece stainless steel shaft
- Can be mounted using (2) 3/16" dia. body mounting holes or through a 1/2" dia. through hole
- (3) 1/8"NPT ports, (2) 10-32 exhaust ports
- Includes faceplate

Part No.	Description
320124	"Viper" Four-Way Valve
320127	Replmt Knob and faceplate

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[www.velvac.com](http://www.velvac.com)

## Four -Way Push/Pull Compact Design Valve

NEW



- The compact design fits into today's small dash board designs
- Pneumatic valve is designed to control the operations of a typical air cylinder
- 150 psi maximum air pressure
- 0.4 cv air flow
- Aluminum body and end caps stainless steel extension
- 40 micron filtration

Part No.	Description	Parker Ref
320011	4-way valve	410939002

## Four-Way Rotary Handle Valve



- Three position valve
- (3) 1/4" - 18 FPT ports
- 1/4" NPT threaded exhaust ports
- (2) 1/4" dia body mounting holes at 1-15/16" on center
- Operating pressure to 150 psi
- Includes solid one-piece handle and two faceplates (Raise/Lower and Open/Close)

Part No.	Description
320123	Rotary Handle Valve
321034	Raise/Lower Faceplate
030092	Cone Filter 1/4"

## Cone Filters



## Four -Way Electronic Solenoid Valve



- Operates any single acting or pressure double acting air cylinder
- Air-piloted assist
- Actuated with a std on/off switch
- (5) 1/4" -18 FPT port
- (3) 9/32" dia valve body mtg holes
- Normal oper. pressure 100psi
- Exhaust cone filters included

Part No.	Description
320131	Four-way Solenoid
320132	Electrical Coil
320133	Solenoid Mounting Nut
030092	Cone Filter 1/4"
030084	Cone Filter- 1/8"

## Four -Way Mini Electronic Solenoid Valve



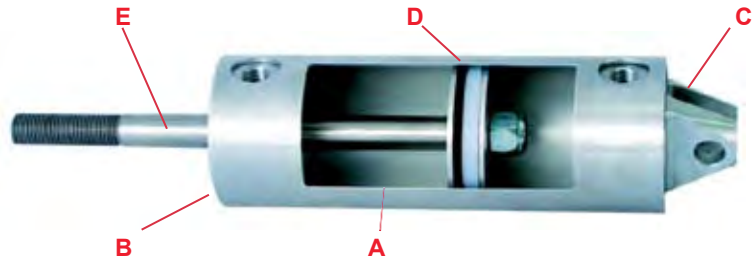
- Compact design- 4" overall length
- Air-piloted assist
- 1/8" supply and delivery ports
- 10-32 exhaust ports
- 12VDC coil with low 2 watt draw
- Normal operation pressure 100 psi

Part No.	Description
320134	4-way Mini Solenoid
320135	Electrical Coil
030093	Cone Filter 10-32

Part No.	Description
030093	10-32 Cone Filter
030084	1/8" Cone Filter
030092	1/4" Cone Filter
030094	3/8" Cone Filter



Backed by a 3 year warranty



AIR

Velvac's heavy-duty Enforcer™ series of air cylinders are built tough for long life and made from some of the strongest materials available today!

- Machined from 6061 series aluminum, 303 stainless steel, with Nitrile "O" rings and a UHMW polyethylene wear band, they are the ultimate air cylinder!
- Cycle tested into the millions! The solid construction means they will keep on working even in extreme conditions where other air cylinders fail!
- These cylinders are available in push/pull, solenoid operated and spring return versions that will slam the door on the competition!

**General**

Information	Feature #	Feature/Benefit
<b>Cylinder Construction</b>	A	Aluminum cylinder tubing with a 16 RMS finish, lock ring construction secures end caps to tube
<b>Front Cover</b>	B	Solid aluminum with oilight bronze bushing, Delrin seal and 1/4" NPT port
<b>Rear Cover</b>	C	Solid aluminum with mounting hole for 1/2" clevis pin and 1/4" NPT port
<b>Piston Cup</b>	D	Solid aluminum with Nitrile "O" ring rated at -40° to 185° F and UHMW polyethylene wear band
<b>Piston Rod</b>	E	5/8" diameter 303 series stainless steel with 5/8" - 18 thread
<b>Temp Rating</b>		-40° to 185° F
<b>Pressure Rating</b>		10 psi minimum to 150 psi maximum Standard operating pressure 100 psi



**2-1/2" Air Cylinder**

Part No.	Cylinder Type	Stroke	Retracted Length	Extended Length	Thrust at 100 psi	Draw at 100 PSI
100204	Push/Pull	4"	9.89"	13.89"	491 lbs	460 lbs
100226	Spring Return	6"	13.75"	19.75"	251 lbs	460 lbs
100206	Push/Pull	6"	11.89"	17.89"	491 lbs	460 lbs
100228	Spring Return	8"	16.50"	24.50"	251 lbs	460 lbs
100208	Push/Pull	8"	13.89"	21.89"	491 lbs	460 lbs
101208	w/Solenoid	8"	13.89"	21.89"	491 lbs	460 lbs

**3-1/2" Air Cylinders**

100306	Push/Pull	6.68"	13.60"	20.28"	962 lbs	930 lbs
100326	Spring Return	6"	14.88"	20.88"	482 lbs	930 lbs
101306	w/Solenoid	6"	13.60"	20.28"	962 lbs	930 lbs
100308	Push/Pull	8.68"	15.60"	24.28"	962 lbs	930 lbs
100328	Spring Return	8"	17.88"	25.88"	482 lbs	930 lbs
101308	w/Solenoid	8.68"	15.66"	24.28"	962 lbs	930 lbs
100310	Bullet Type	10"	16.92"	26.95"	962 lbs	930 lbs

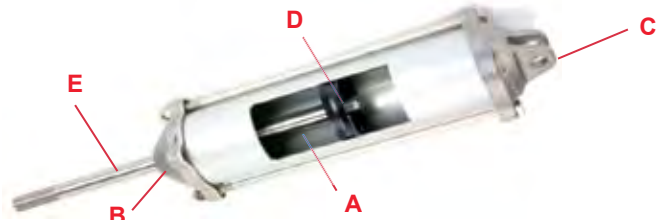
**NOTE:** Air cylinders and tailgate kits are designed to operate the locking linkage on dump bodies and are **NOT** to be used as a means of mechanically holding the tailgate shut. Custom kits are available - contact Velvac for more information.

Enforcer™ is a trademark of Velvac, Inc.

VELVAC  
Original

Velvac's standard series of air cylinders are built for durability with a reputation for quality and affordability!

- These cylinders can be used in a wide variety of applications and conditions and can take the daily abuse associated with typical tailgate applications.
- They are backed with a 1 year warranty and are 100% tested!
- Available in push/pull, solenoid operated and spring return versions.



General Information	Feature #	Feature/Benefit
<b>Cylinder Construction</b>	A	Smooth cylinder grade aluminum tubing with a 32 RMS finish, tie rod construction secures end caps to tube
<b>Front Cover</b>	B	Die cast aluminum with Nitrile dirt wiper and pressure seal and oil impregnated bronze bushing and 1/4" NPT port
<b>Rear Cover</b>	C	Die cast aluminum with mounting hole for 1/2" clevis pin and 1/4" NPT port
<b>Piston Cup</b>	D	Emralon-coated, single piece, molded piston cup
<b>Piston Rod</b>	E	5/8" diameter 300 series stainless steel with 5/8" - 18 thread
<b>Temp Rating</b>		-20° to 185° F
<b>Pressure</b>		10 psi minimum to 120 psi maximum
<b>Rating</b>		Standard operating pressure 100 psi



- 2-1/2" Air Cylinders at 100 psi have a thrust of 483 lbs and a draw of 452 lbs
- 3-1/2" Air Cylinders at 100 psi have a thrust of 962 lbs and a draw of 918 lbs

### 2-1/2" Air Cylinder

Part No.	Cylinder Type	Stroke	Retracted Length	Extended Length
100122	Push/Pull	4"	9.89"	13.89"
100125	Spring Return Norm. Ext.	4"	10.62"	14.62"
100123	Push/Pull	6"	11.89"	17.89"
100126	Spring Return Norm. Ext.	6"	13.89"	19.89"
100124	Push/Pull	8"	13.89"	21.89"

### 2-1/2" Cylinder Replacement Parts

Part No.	Description
101066	Front Cover Kit - includes front cover with bushing & seals installed & two cylinder gaskets
101067	Rear Cover Kit - includes rear cover & two cylinder gaskets
101068	Piston Cup Kit - includes piston cup, lock nut & two cylinder gaskets

### 3-1/2" Air Cylinders

100131	Push/Pull	6.68"	13.60"	20.28"
100132	Push/Pull	8.68"	15.6"	24.28"
100136	Push/Pull	8.68"	18.43"	27.12"
100137*	Push/Pull	8.68"	15.60"	24.28"

### 3-1/2" Cylinder Replacement Parts

Part No.	Description
101069	Front Cover Kit - Includes front cover with bushing & seals installed & two cylinder gaskets
101070	Rear Cover Kit - Includes rear cover & two cylinder gaskets
101071	Piston Cup Kit - Includes piston cup, lock nut & two cylinder gaskets

\*Kit contains air cylinder Part No. 100132 and extended clevis kit #109051. Use this kit when replacing previous cylinder Part No. 101028

**NOTE:** Air cylinders and tailgate kits are designed to operate the locking linkage on dump bodies and are **NOT** to be used as a means of mechanically holding the tailgate shut. For tailgate kits see page 63. Custom kits are also available - contact Velvac for more information.



Backed by a 3 year warranty



**High Lift Cylinder -  
Made in the U.S.A.**

**General Information      Feature/Benefit**

Cylinder Tube	Aluminum cylinder tubing with a 16 RMS finish
Front Cover	Solid aluminum with oil tight bronze brushing, Delrin seal and 3/8" NPT port
Rear Cover	Solid aluminum with mounting hole for 1" clevis pin and 3/8" NPT port
Piston Cup	Solid aluminum with Nitrile "O" ring rated at -40° to 185°F and UHMW polyethylene wear band
Temp Rating	40 below to 185 above
Pressure Rating	Standard operating pressure 100 psi 10 psi minimum to 150 psi maximum

Part No.	Bore	Cylinder Type	Stroke	Retracted Length	Extended Length	Thrust at 100 psi	Draw at 100 psi
100424	4"	Push/Pull	24"	34.50"	58.50"	1,275 lbs	1,158 lbs

**Tailgate Cylinders - Made in U.S.A.**



Backed by a 3 year warranty



Part No. 100613  
Replaces MGM  
R5A

Part No. 100614

- Velvac's Enforcer series of tailgate cylinders is the serious choice for your tailgate
- Machined from 6061 series aluminum, 5/8" diameter 303 stainless steel shaft with 5/8" - 18 threads, Nitrile "O" rings and a UHMW polyethylene wear band, they are the ultimate tailgate cylinder
- Direct replacements to Haldex and MGM
- These cylinders slam the door on the competition and keep it closed
- Standard operating pressure 100 psi 90 psi minimum to 150 psi maximum



Part No. 100615



Part No. 100603  
Replaces Haldex  
R3PT75

Part No.	Bore	Type	Cylinder Stroke	Retracted Length	Extended Length	Thrust at 100 psi	Draw at 100 psi
100603	6"	Spring Return	3"	16.18"	19.18"	400 lbs	2,400 lbs
100613	6"	Spring Return	4.38"	18.62"	23"	1,417 lbs	1,400 lbs
100614		*Bracket Kit for 100613					
100615		*Spacer kit for 100613					

**NOTE:** Extended/retracted lengths are measured from the tip of the shaft to the end of the cylinder  
\*The bracket kit is used for new MGM installations, while the spacer kit is used when replacing the existing MGM cylinder



Part No.	Cylinder Diameter/Stroke
100022	2-1/2" x 8" Kit, contents as shown
100028	2-1/2" x 8" Kit, contents as shown, plus 50' of 3/8" black nylon tubing and clips
101002	3-1/2" x 8" Kit, contents as shown, plus 50' of 3/8" black nylon tubing and clips and extended clevis kit Part No. 019015 (see page 127)



Part No.	Cylinder Diameter/Stroke
101054	2-1/2" x 8" Kit, contents as shown
101058	3-1/2" x 8" Kit, contents as shown



Part No.	Cylinder Diameter/Stroke
101055	2-1/2" x 8" Kit, contents as shown
101059	3-1/2" x 8" Kit, contents as shown



Part No.	Cylinder Diameter/Stroke
100144-7	3-1/2" x 8" Kit, contents as shown - designed to fit Ox bodies



Part No.	Cylinder Diameter/Stroke
100036	2-1/2" x 6" Kit
100037	2-1/2" x 8" Kit
101003	3-1/2" x 8" Kit with extended clevis, Part No. 019051
101004	3-1/2" x 6" Kit
101078	3-1/2" x 8" Kit with clevis Part No. 019049

- Solenoid operated cylinder kits allow the operator to electronically unlock tailgate without leaving the cab
- All kits include clevis and pins, electrical switch part No. 090177, cylinder with four-way solenoid attached

**FIFTH WHEEL AIR CYLINDERS**




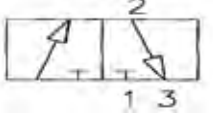

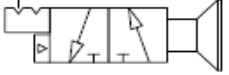

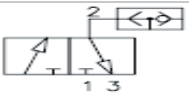



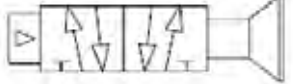




- Cast aluminum front and rear cover with 1/4" FTP port
- Mounting hole for 17/32" clevis, front and rear
- 100 psi operating pressure
- Gold anodized tube for corrosion resistance

Part No.	Bore	Stroke	Replaces	Retracted Length	Extended Length
100101	2-1/2"	6-3/4"	Holland XA-2524-R	12-5/8"	19-13/32"
100102	3-1/2"	2"	Holland XA-2524-R-13-1	7-21/32"	9-21/32"

## Manual Push/Pull Valves

High flow dual pressure air valves for lift axles, suspension dump systems and tailgate control - solid aluminum construction - Nitrile seals for long cycle life - High impact knobs with face plates - Balanced stainless steel and aluminum spool design - Operating temperature range from -40° to +180° F - Stainless steel hardware - Normal operating pressure 100 psi

AIR

Part No.	Description	Valve Type	Ports	Air Flow	Applications	Schematic
 320129	"Mini" valve w/ built in exhaust filter	3 Way	1/4" NPT	1.5 Cv	A	
 320140	Valve w/ remote 1/4" NPT exhaust air pilot reset option	3 Way	3/8" NPT	2.2 Cv	A	
 320147	"Mini" valve with integrated shuttle and built in exhaust filter	3 Way	1/4" NPT	1.5 Cv	A	
 320128	3 position valve with center exhaust feature	4 Way	1/4" NPT	1.5 Cv	C	
 320141	2 position with soft detent and 1/8" NPT air pilot reset option	4 Way	1/4" NPT	1.5Cv	B	
 320146	2 position with soft detent and 1/8" NPT remote air pilot reset option	4 Way	3/8" NPT	2.2 Cv	A	
 320151	2 position with soft detent	4 Way	3/8" NPT	2.2 Cv	A	

A - Applications include single acting air cylinders, lift axles or suspension systems

B - Applications include single or double acting air cylinders lift axles

C - Applications include single or double acting air cylinders

### Silicone Lubricant



- Specially formulated silicone lubricant protects and extends the life of air valves and air brake valves. Helps repair the drying effects caused by alcohol and antifreeze
- Light oil can be added directly into the air lines and the heavy oil can be added directly into the valves. Apply twice a year for a better operating system

**HELPFUL HINT:** To prevent damage to seals, premature air product failures, and possible warranty claim rejection, many OE manufacturers instruct customers to avoid the use of petroleum based products and de-icing agents in their air systems. It is recommended to change the air dryer filters regularly and use Velvac's line of silicone valve oils to help repair seal damage and extend the life of air valves.

### Part No. Description

320170	Light Weight Oil - 4 oz bottle
320171	Light Weight Oil - 5 pack of 4 oz bottles
320172	Heavy Weight Oil - 4 oz bottle
320173	Heavy Weight Oil - 5 pack of 4 oz bottles

### Brass Electric Coil Air Converter




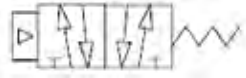



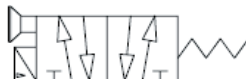

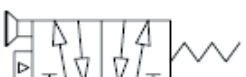

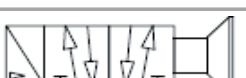
- Solenoid override adapter mounts on the coil and allows you to convert the electrical signal into an air signal
- 1/8" NPT ports
- Solid brass construction

### Part No. Description

320148	Brass Electric Coil Air Converter
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### SOLENOID VALVES

Solenoid valves allow the driver to operate single or double acting cylinders, lift axles or suspension dump systems electronically - Constructed with the same materials as Velvac's air accessory valves - The solenoid valves have a 12-volt power consumption coil that uses only 4.8 watts - Normal operating pressure 100 psi


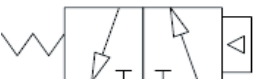



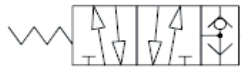
Part No.	Description	Valve Type	Ports	Air Flow	Applications	Schematic
 <b>320130</b>	Spring return valve with 1/8" NPT external pilot	4 Way	3/8" NPT	2.2 Cv	A	
 <b>320136</b>	Spring return valve with internal pilot assist	4 Way	3/8" NPT	2.2 Cv	A	
 <b>320143</b>	Spring return valve with internal manual override	4 Way	3/8" NPT	2.2 Cv	B	
 <b>320144</b>	Spring return valve with air operated external manual override	4 Way	3/8" NPT	2.2Cv	B	
 <b>320145</b>	Push-pull valve with solenoid air pilot return	4 Way	3/8" NPT	2.2Cv	C	

A - Applications include lift axles or suspension systems

B - Applications include lift axles

C - Applications include single or double acting air cylinders and lift axles

### AIR-PILOT VALVES

Part No.	Description	Valve Type	Ports	Air Flow	Applications	Schematic
 <b>320137</b>	Air pilot spring return with 1/4" NPT air pilot supply support	3 Way	3/8" NPT	2.2 Cv	A	
 <b>320138</b>	Shuttle air pilot spring return valve	4 Way	3/8" NPT	2.2 Cv	B	
 <b>320139</b>	Air pilot spring return valve with 1/8" external pilot port	4 Way	3/8" NPT	2.2 Cv	B	

A - Applications include suspension systems

B - Applications include lift axles