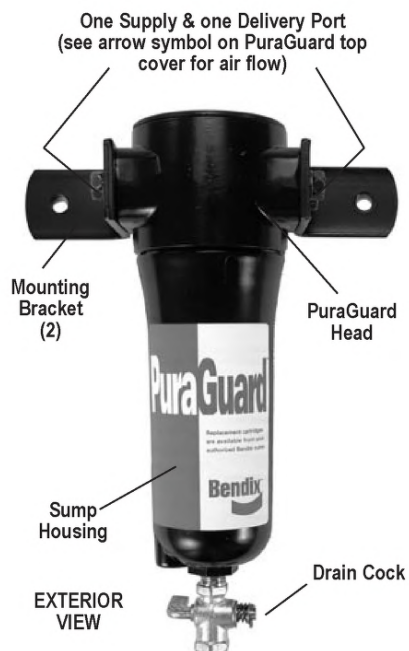
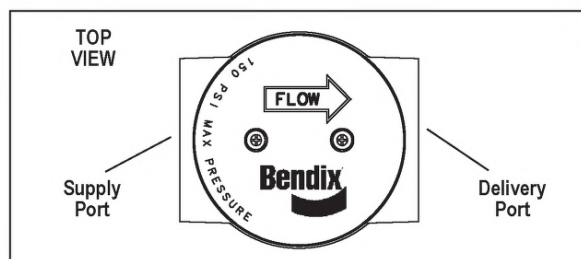


**PuraGuard™**

|                    |
|--------------------|
| Service<br>Pc. No. |
| 800691             |

Maintenance Kit .....5006788  
Rebuild Kit.....5006789  
Replacement Drain Cock .....226338

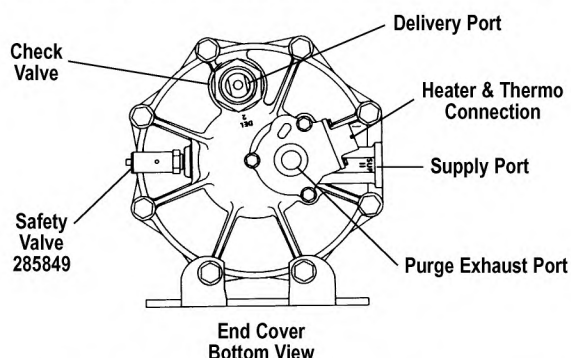


## AD-9 Air Dryer

- More Desiccant Works Longer
- Compact Size Saves Space
- Remanufactured Exchange

V.M.R.S. 13-010-033

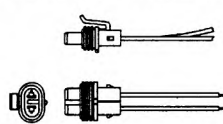
| Part No. | Description                         |
|----------|-------------------------------------|
| 107796   | Service New – Desiccant Cartridge   |
| 107794X  | Reman. Exchg. – Desiccant Cartridge |
| 109579   | 24 Volt Heater & Thermo.            |
| 109578   | 12 Volt Heater & Thermo.            |
| 107695   | Bracket Kit                         |
| 5005037  | Hard Seat Purge Valve Kit           |
| 5005893  | Soft Seat Purge Valve Kit           |



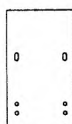
Detail Parts or assemblies not displaying a part number and not contained in a kit ARE NOT AVAILABLE



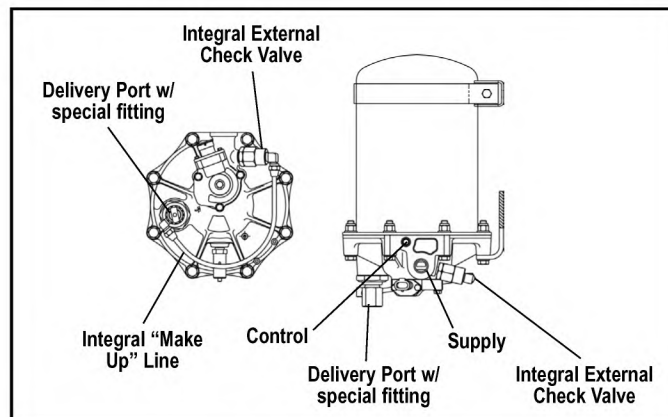
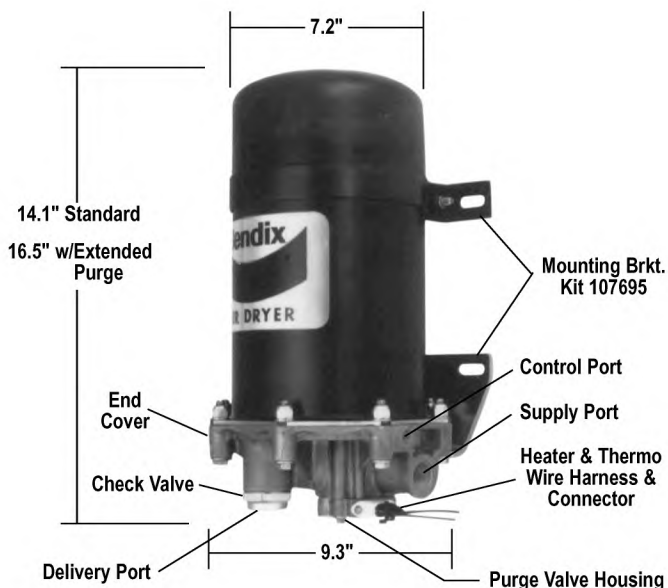
Exhaust Cover  
PC. NO. 112399



Wiring Harness & Connector  
PC. NO. 109869



Universal Mounting Plate  
PC. NO. 113209



## AD-9 Drop In

| AD-9 Service Part No. | AD-9 Reman. Exch. Part. No. | End Cover Information and Detail |                             |                   |                          |                                      |                                         |                     | Comments                      |
|-----------------------|-----------------------------|----------------------------------|-----------------------------|-------------------|--------------------------|--------------------------------------|-----------------------------------------|---------------------|-------------------------------|
|                       |                             | End Cover Assy. Compl. New       | Supply & Delivery Port Size | Check Valve Assy. | Purge Valve Assy.        |                                      |                                         |                     |                               |
|                       |                             |                                  |                             |                   | Heater Voltage (75 Watt) | Purge Vlv. Assy. Compl. w/Heater New | Purge Vlv. Assy. Compl. w/Heater Reman. | Heater & Thermo Kit |                               |
| 065224                | —                           | 065229                           | .75" PT                     | 107799            | 24                       | 5004338                              | 5004342                                 | 109579              |                               |
| 065225                | 109685X                     | 065231                           | .50" PT                     | 107800            | 12                       | 800405                               | 5004341                                 | 109578              |                               |
| 065226                | 109687X                     | 065230                           | .75" PT                     | 107799            | 12                       | 800405                               | 5004341                                 | 109578              |                               |
| 065227                | 109688X                     | 065229                           | .75" PT                     | 107799            | 24                       | 5004338                              | 5004342                                 | 109579              | Extended Purge                |
| 065228                | —                           | 065230                           | .75" PT                     | 107799            | 12                       | 800405                               | 5004341                                 | 109578              | Extended Purge                |
| 065243                | —                           | 065231                           | .50" PT                     | 107800            | 12                       | 800405                               | 5004341                                 | 109578              | Extended Purge                |
| 800514                | —                           | 065454                           | .50" PT                     | 107800            | 24                       | 5004338                              | 5004342                                 | 109579              | Extended Purge                |
| 065499                | —                           | 065498                           | .50" PT                     | 107800            | 12                       | 5004339                              | —                                       | 109578              | Discharge Line Unloader Model |
| 065605                | —                           | 065605                           | .50" PT                     | 107800            | 24                       | 5004340                              | —                                       | 109579              | Discharge Line Unloader Model |
| 065649                | —                           | 065653                           | .75" PT                     | 107799            | 24                       | 5004338                              | 5004342                                 | 109579              | Soft Seat                     |
| 065650                | 109689X                     | 065654                           | .50" PT                     | 107800            | 12                       | 800405                               | 5004341                                 | 109578              | Soft Seat                     |
| 065651                | 109690X                     | 065655                           | .75" PT                     | 107799            | 12                       | 800405                               | 5004341                                 | 109578              | Soft Seat                     |
| 065652                | 109691X                     | 065653                           | .75" PT                     | 107799            | 24                       | 5004338                              | 5004342                                 | 109579              | Soft Seat – Extended Purge    |
| 065647                | —                           | —                                | .50" PT                     | 107800            | 12                       | 800405                               | 5004341                                 | 109578              | Drop In                       |

## AD-SP Air Dryer

- System Purge
- Available Remanufactured Exchange

V.M.R.S. 13-010-033

### AD-SP Field Installation Kits

| Kit<br>Pc. No. | Voltage |
|----------------|---------|
| 131031         | 12V     |
| 131032         | 24V     |

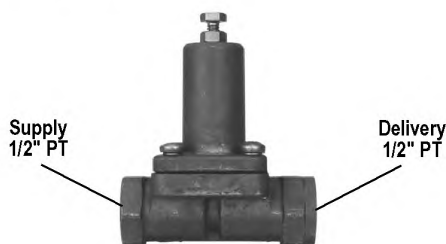
| Reman.<br>Pc. No. | Service<br>Pc. No. | Heater &<br>Thermostat<br>Volts-Watts<br>(See Note 2) |
|-------------------|--------------------|-------------------------------------------------------|
| 109991X           | 800887             | 12v - 90w                                             |
| 109992X           | 800972             | 24v - 90w                                             |

Note 1: All replacement air dryers include 109871, wire harness and splice kit.

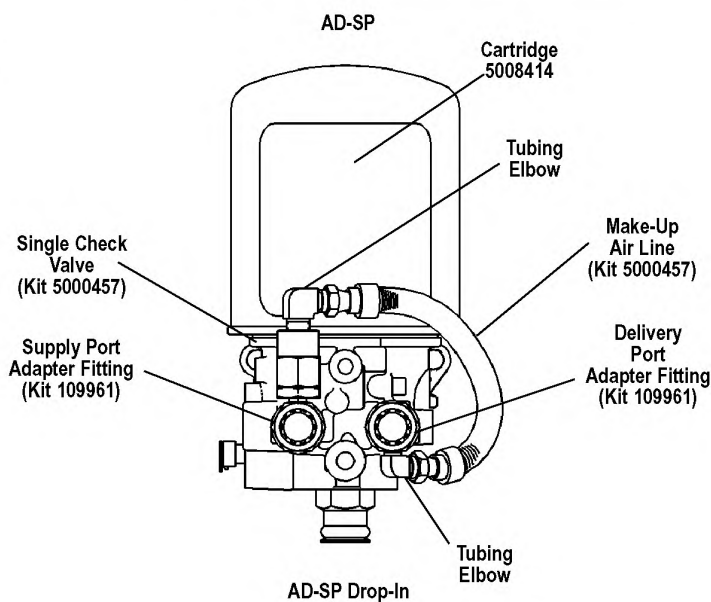
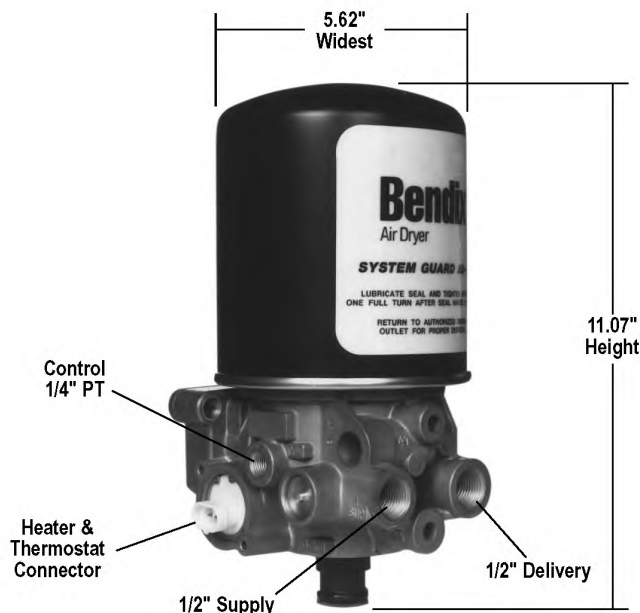
Note 2: 12 & 24 volt AD-SP air dryers are identified by connector color – White = 12v, Gray = 24v

### Maintenance Kits

|                                 |         |
|---------------------------------|---------|
| Purge Valve Kit .....           | 109995  |
| Check Valve Kit .....           | 5005624 |
| Silencer Kit .....              | 5004224 |
| Turbo Cut-off Kit .....         | 109993  |
| Heater & Thermostat Kit         |         |
| • 12V .....                     | 109495  |
| • 24V .....                     | 109496  |
| Wire Harness & Splice Kit ..... | 109871  |



SC-PR  
Single Check Protection Valve –  
must be used in conjunction  
with the AD-SP Air Dryer  
065677 - Service New  
5000148X - Reman



## AD-4 Air Dryer



### Remanufactured End Covers

|         |                 |
|---------|-----------------|
| 065044X | 12V. 1/2" Ports |
|---------|-----------------|

### Service & Reman. AD-4 Assys.

| AD-4<br>Reman.<br>Pc. No. | Service<br>Pc. No. | AD-9<br>Reman.<br>Pc. No. | Heater<br>Volts | Supply<br>Ports | Comments       |
|---------------------------|--------------------|---------------------------|-----------------|-----------------|----------------|
| 065041X                   | 065041             | 109685X                   | 12              | 1/2 PT.         |                |
| 065102X                   | 065102             | 065102X                   | 12              | 3/4 PT.         | Extended Purge |

| Pc. No. | Description                   |
|---------|-------------------------------|
| 102657  | Thermostat Kit (single term.) |
| 103817  | Major Kit                     |
| 103818  | Purge Valve Kit               |
| 103879  | Seal Kit                      |
| 103980  | End Cover Kit                 |
| 103981  | Desiccant Cartridge Kit       |
| 103982  | Thermostat Kit (double term.) |
| 104027  | Mounting Bracket Kit          |
| 104358X | Reman. Desiccant Cartridge    |
| 288918  | Thermostat Cover Kit (single) |

## AD-IP Air Dryer

- Integral Purge Air Dryer

V.M.R.S. 13-010-033

### Maintenance Kits

| Desiccant Cartridge       |         |
|---------------------------|---------|
| Service New               | 065624  |
| Remanufactured            | 109493X |
| Service Purge Valve       | 800404  |
| Cartridge Bolt Kit        | 109498  |
| Delivery Check Vlv. Kit   | 109494  |
| Heater & Thermo. Kit      |         |
| 12 Volt                   | 109495  |
| 24 Volt                   | 109496  |
| Wire Harness & Splice Kit | 109871  |
| Mounting Bracket Kit      | 5001247 |
| Purge Valve Maint. Kit    | 5003547 |
| *Extended Purge Kit       | 5005309 |

\*For extended purge air dryers only

| Service Pc. No. | Reman. Pc. No. | Supply Port | Delivery Port | Heater & Thermo. Volts-Watt | Comments         |
|-----------------|----------------|-------------|---------------|-----------------------------|------------------|
| 065612          | 109477X        | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Notes 3, 4, 6    |
| 065613          | 109478X        | 1/2" PT     | 1/2" PT       | 24v - 90w                   | Notes 3, 4, 6    |
| 065693          | 109503X        | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Notes 1, 3, 4    |
| 800089          | 5000985X       | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Notes 2, 3, 4, 6 |
| 800618          | 5006234X       | 1/2" PT     | 1/2" PT       | 24v - 90w                   | Notes 3, 4, 6, 7 |
| 800576          | 5005556X       | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Notes 3, 4, 6, 7 |
| 800577          | 5005567X       | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Notes 2, 7       |

Note 1- No upper or lower mounting bracket.

Note 2 - Has 1/8" PT ECON port (plugged). See illustration for port location.

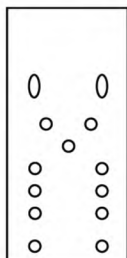
Note 3 - All replacement air dryers include 109871 (wire harness and splice kit).

Note 4 - 12 & 24 volt air dryers are identified by connector color - White = 12v, Gray = 24v

Note 5 - Center to center of slots in both brackets 5.64 inches

Note 6 - All replacement air dryers include 5001247 (mounting bracket kit)

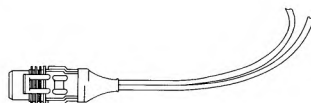
Note 7 - Extended Purge



**Universal Mounting Plate**

Pc. No. 113209

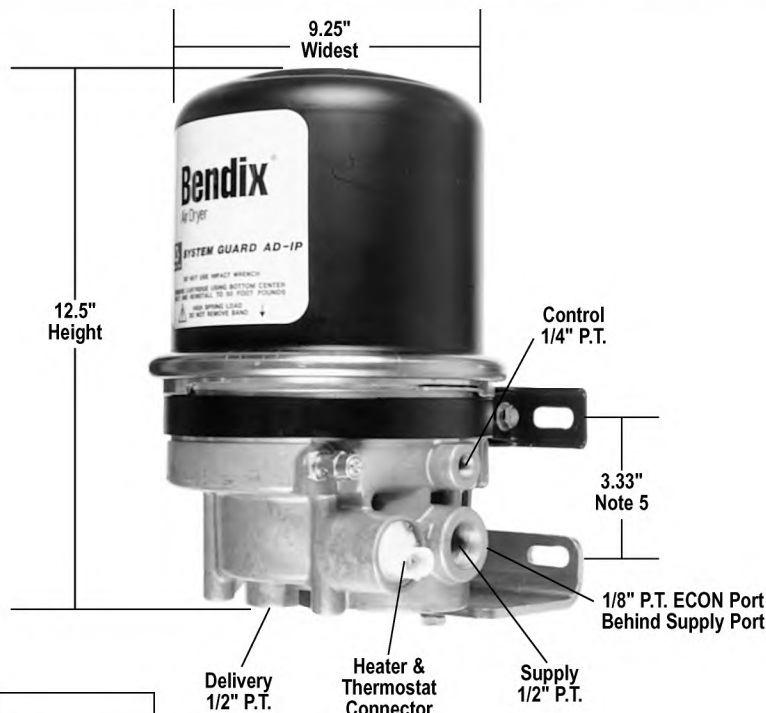
(Can be used to mount any air dryer to vehicle)



**Wire Harness Assembly**  
(Use Kit 109871)



**Exhaust Cover 112609**  
(available as a separate item)



**Extended Purge Kit 5005309**



### AD-IP Drop In

| Service Pc. No. | Reman. Pc. No. | Supply Port | Delivery Port | Heater & Thermo. Volts-Watt | Comments   |
|-----------------|----------------|-------------|---------------|-----------------------------|------------|
| 800067          | 5000709X       | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Notes 1, 2 |
| 800168          | 5001751X       | 1/2" PT     | 1/2" PT       | 12v - 90w                   | Note 3     |

Note 1- All replacement air dryers include 109871 (wire harness and splice kit) and 5001247 (mounting bracket kit).

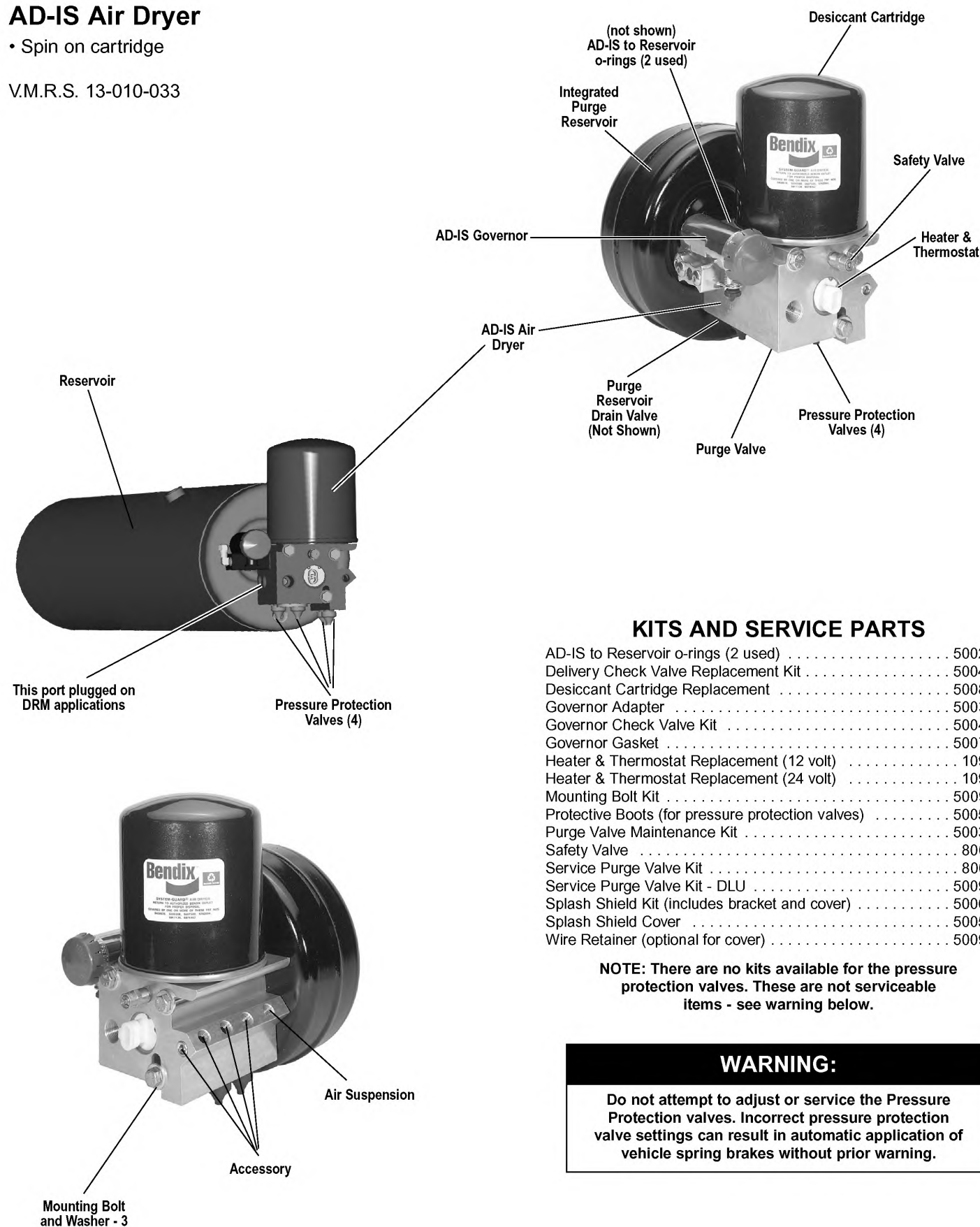
Note 2 - 12 & 24 volt air dryers are identified by connector color - White = 12v, Gray = 24v

Note 3 - Includes ECon Check Valve Kit & no Mounting Kit

## AD-IS Air Dryer

- Spin on cartridge

V.M.R.S. 13-010-033



### KITS AND SERVICE PARTS

|                                                   |         |
|---------------------------------------------------|---------|
| AD-IS to Reservoir o-rings (2 used)               | 5002816 |
| Delivery Check Valve Replacement Kit              | 5004052 |
| Desiccant Cartridge Replacement                   | 5008414 |
| Governor Adapter                                  | 5003698 |
| Governor Check Valve Kit                          | 5004049 |
| Governor Gasket                                   | 5007834 |
| Heater & Thermostat Replacement (12 volt)         | 109495  |
| Heater & Thermostat Replacement (24 volt)         | 109496  |
| Mounting Bolt Kit                                 | 5009233 |
| Protective Boots (for pressure protection valves) | 5005163 |
| Purge Valve Maintenance Kit                       | 5003547 |
| Safety Valve                                      | 800350  |
| Service Purge Valve Kit                           | 800404  |
| Service Purge Valve Kit - DLU                     | 5009650 |
| Splash Shield Kit (includes bracket and cover)    | 5006698 |
| Splash Shield Cover                               | 5005266 |
| Wire Retainer (optional for cover)                | 5009653 |

**NOTE:** There are no kits available for the pressure protection valves. These are not serviceable items - see warning below.

### WARNING:

Do not attempt to adjust or service the Pressure Protection valves. Incorrect pressure protection valve settings can result in automatic application of vehicle spring brakes without prior warning.

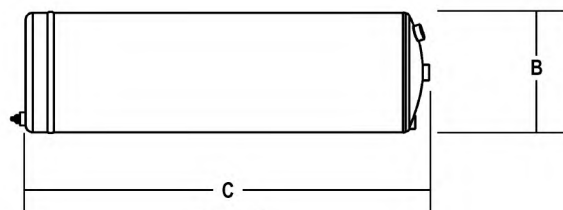


Figure 1

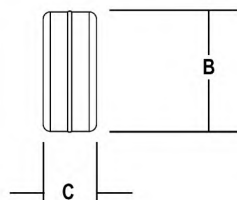


Figure 3

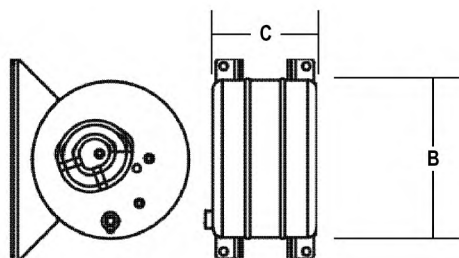


Figure 4

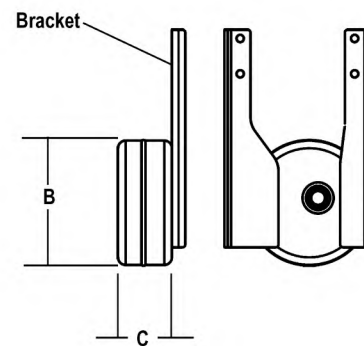


Figure 2

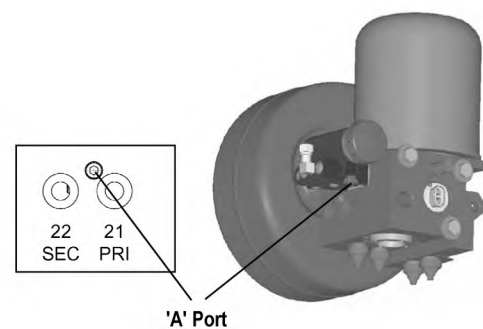
Service and Remanufactured AD-IS Air Dryers do not include DRM Reservoirs or Purge Volume Reservoirs.

## Dryer Reservoir Modules

| AD-IS Service Pc. No. | AD-IS Reman. Pc. No. | Reservoir Service Pc. No. | 'A' Port* Plug | Suspension Port | Accessory Ports (Qty.) |
|-----------------------|----------------------|---------------------------|----------------|-----------------|------------------------|
| 800383                | 5004050X             | 5005313                   | without        | 1/4" NPT        | 1/4" NPT (4)           |
| 800838                | 5008332X             | 5007588                   | without        | 1/4" PTC        | 1/4" NPT (4)           |
| 801045                | 5009233X             | 5008939                   | without        | 1/4" NPT        | 1/4" NPT (4)           |

## AD-IS Air Dryer with Purge Volume

| AD-IS Service Pc. No. | AD-IS Reman. Pc. No. | 'A' Port* Plug | Primary Port | Secondary Port | Accessory Ports (Qty.) |
|-----------------------|----------------------|----------------|--------------|----------------|------------------------|
| 800959                | 5008871X             | without        | 1/2" PTC     | 1/2" PTC       | 1/4" NPT (4)           |
| 801147                | 5010133X             | with           | 1/4" NPT     | 1/4" NPT       | 1/4" NPT (4)           |
| 801164                | 5010211X             | with           | 1/4" NPT     | 1/4" NPT       | 1/4" NPT (4)           |
| 801266                | 5010696X             | with           | 1/4" NPT     | 1/4" NPT       | 1/4" NPT (3)           |
| 801145                | 5010104X             | with           | 1/4" NPT     | 1/4" NPT       | 1/4" NPT (4)           |



\*AD-IS Dryers with a plugged port 'A' cannot be interchanged with those that do not have a port in this location.

## Reservoirs

| Service Pc. No. | 'B' Dia. Inches | 'C' Length Inches | Compartment Number | Comments | Figure |
|-----------------|-----------------|-------------------|--------------------|----------|--------|
| 5005313         | 9               | 53.5              | 2                  | Steel    | 1      |
| 5009107         | 9               | 55.5              | 2                  | Aluminum | 1      |
| 5007588         | 9               | 26                | 3                  | Steel    | 1      |
| 5008939         | 9               | 29.8              | 2                  | Steel    | 1      |

## Purge Volume

| Service Pc. No. | 'B' Dia. Inches | 'C' Length Inches | Compartment Number | Mounting Bracket | Figure |
|-----------------|-----------------|-------------------|--------------------|------------------|--------|
| 5008781         | 9               | 3.9               | 1                  | Included         | 2      |
| 5009028         | 9               | 6                 | 1                  | 4 Hole SAE Mtg.  | 3      |
| 5008574         | 9               | 3.9               | 1                  | 4 Hole SAE Mtg.  | 3      |
| 5010563         | 9               | 6                 | 1                  | Included         | 4      |

PTC = Push to Connect

## AD-2 Air Dryer

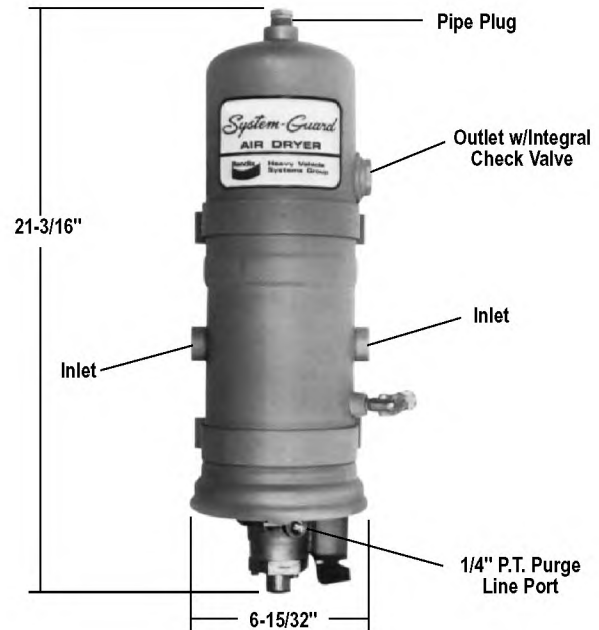
- End Cover Available Remanufactured Exchange  
V.M.R.S. 13-010-033

### AD-2 Field Installation Kits For Trucks

| Reman<br>Pc. No. | New<br>AD-2<br>Pc. No. | Inlet/<br>Outlet<br>Size | Remarks                  |
|------------------|------------------------|--------------------------|--------------------------|
| 286934X          | 286934                 | 1/2" P.T.                | 12 V.D.C. - 60 W. Heater |

### End Covers

| Reman<br>Pc. No. | Service<br>Pc. No. | Remarks                   |
|------------------|--------------------|---------------------------|
| 103253X          | 103253             | 24 V.D.C. - 120 W. Heater |
| 286875X          | 286875             | 12 V.D.C. - 60 W. Heater  |
| 286876X          | 286876             | 24 V.D.C. - 60 W. Heater  |



PC. NO. 101900X IS REMFR. EXCH.  
DESICCANT CARTRIDGE

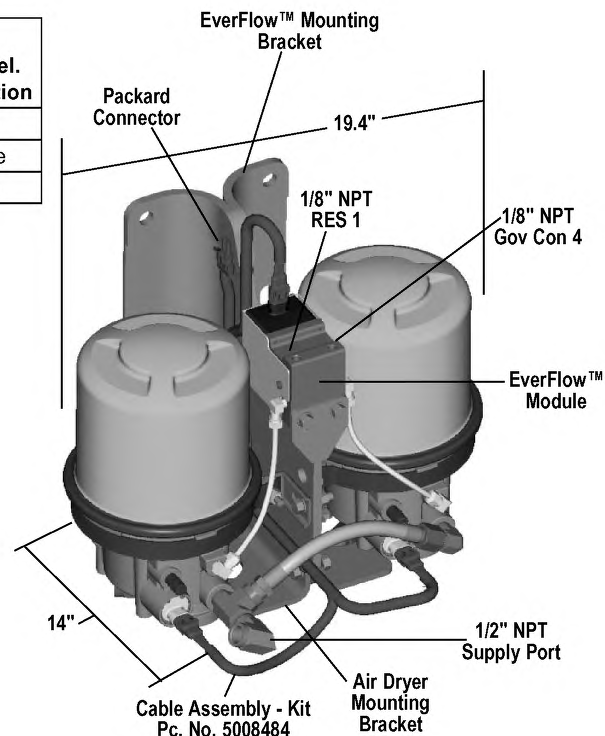
### Service/Maintenance Information

#### Maintenance Kits:

| Pc. No. | Description                         |
|---------|-------------------------------------|
| 102657  | Thermostat Maintenance Kit          |
| 286718  | Desiccant Cartridge Refill Kit      |
| 287053  | Purge Valve Maintenance Kit         |
| 287298  | Check Valve Maintenance Kit         |
| 287313  | Replacement Desiccant Cartridge Kit |
| 288918  | Thermostat Cover Maintenance Kit    |

## EverFlow™ Module Assembly

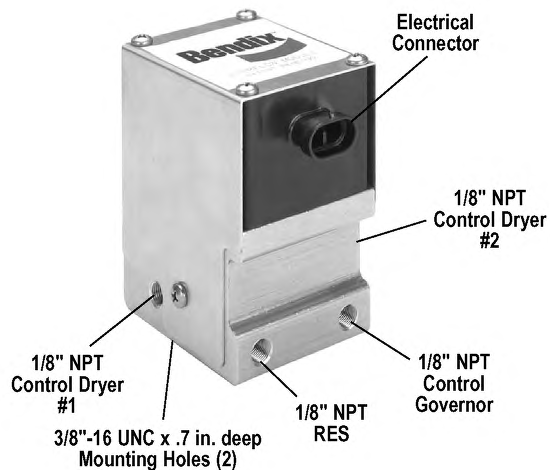
| Serv.<br>Pc. No. | Air Dryer |                  |               | EverFlow™        |               | Sup. & Del.<br>Port Location |
|------------------|-----------|------------------|---------------|------------------|---------------|------------------------------|
|                  | Model     | Serv.<br>Pc. No. | Mtg.<br>Brkt. | Serv.<br>Pc. No. | Mtg.<br>Brkt. |                              |
| 800801           | AD-IP     | 065693           | 5001247       | 800685           | 5008483       | Shown                        |
| 801074           | AD-IP     | 065693           | 5001247       | 800685           | 5008483       | Opposite                     |
| 801032           | AD-9      | 065650           | 5009610       | 800685           | 5008483       | Shown                        |



## EverFlow™ Air Dryer Module

| Retrofit Kit*<br>Pc. No. | Service<br>Pc. No. | Voltage |
|--------------------------|--------------------|---------|
| 800684                   | 800685             | 12 V    |
| 800723                   | 800722             | 24 V    |

\*Includes EverFlow module & hardware  
– does not include air dryers.



## Trailer System-Guard® Air Dryer

| Service<br>Pc. No. |
|--------------------|
| 800765             |



All Supply and Control ports 1/4" NPT