Wetline Kit Training
Dump Truck & Trailer Application Guide

ENGINEERING YOUR SUCCESS.
Dump Truck Two Line System

- Air Lines
- Suction Hose
- High Pressure Hose

Low Usage Applications Only
Standard Service Life
Dump Truck Three Line System

Air Lines

Suction Hose

Return Line Hose

High Pressure Hose

Highly Recommended
Best Service Life
Dump Truck
Manual Transmissions

489XFAHX-A3XK  8 Bolt Std. Mount Air Shift
489XFAHX-S3XK  8 Bolt Std. Mount Combo Valve
489GFAHX-A3XK  8 Bolt Metric Mount Air Shift
489GFAHX-S3XK  8 Bolt Metric Mount Combo Valve

See Chelsea Application Guide for Complete Listing
Tip: For KW / Peterbilt & Sterling Trucks use 5 Arrangement

C102D-25-1  314-9325-229T  Without Air Shift
C102D-25-1AS  314-9325-227T  With Air Shift

SMA50  Saddle Mount Aluminum 50 Gallon Tank
SMS50  Saddle Mount Steel 50 Gallon Tank
Dump Truck Allison
Automatic Transmissions

277XGFJP-S5RB    Allison 4500 Series
277XBFJP-S5XD    Allison 4500 Series
277XSFJP-S5RB    Allison 3500 Series
277XBFJP-S5XD    Allison 3500 Series

See Chelsea Application Guide for Complete Listing

C101D-25         314-9310-226T  Without Air Shift
C101D-25-AS      314-9310-902T  With Air Shift

G102-20-R-4S     308-9310-416T  Without Air Shift
G102-20-R-4S-AS  308-9310-903T  With Air Shift

Note: 3 Line System Only No Exceptions
In Cab Controls Must Have Return to Neutral

SMA50  Saddle Mount Aluminum 50 Gallon Tank
SMS50  Saddle Mount Steel 50 Gallon Tank
Dump Trailer Two Line System

Air Lines

Suction Hose

High Pressure Hose

Low Usage Applications Only
Standard Service Life
Dump Trailer Three Line System

- Air Lines
- Suction Hose
- Return Line Hose
- High Pressure Hose

Highly Recommended
Best Service Life
Dump Trailer Manual
Transmissions

489XFAHX-A3XK  8 Bolt Std. Mount Air Shift
489XFAHX-T3XK  8 Bolt Std. Mount Combo Valve
489GFAHX-A3XK  8 Bolt Met. Mount Air Shift
489GFAHX-T3XK  8 Bolt Met. Mount Combo Valve

See Chelsea Application Guide for Complete Listing
Tip: For KW/ Peterbilt & Sterling Trucks Use 5 Arrangement

C102-25-1  314-9325-229T  Without Air
C102-25-1AS 314-9325-227T  With Air Shift

URA50 Up Right Aluminum 50 Gallon Tank
URS50 Up Right Steel 50 Gallon Tank
URP Up Right Poly 50 Gallon Tank
Dump Trailer Allison
Automatic Transmissions

277XBFJP-T5RB        Allison 4500 Series
277XBFJP-T5XD        Allison 4500 Series
277XGFJP-T5RB        Allison 3500 Series
277XGFJP-T5XD        Allison 3500 Series

See Chelsea Application Guide for Complete Listing

C101D-25     314-9310-226T   Without Air
C101D25-AS   314-9310-902T   With Air Shift

C102D-25     314-9325-234T   Without Air
C102D-25-AS   314-9325-018T  With Air Shift

Note: Many C102’s will not fit when using an Allison Transmission the alternative is to shaft drive the pump

URA50  UP Right Aluminum 50 Gallon Tank
URS50  UP Right Steel 50 Gallon Tank
Combination Moving Floor / Dump Trailer System

Note: Where the application readings show a continuous pressure reading of 3000 PSI, the pump will need to be matched to the pressure requirement. Moving floors and live bottom trailers do not require 3000 PSI continuous pressure. The RV is set for 3000 PSI to get the floor or motor moving.
Combination Moving Floor / Dump Trailer

489XQAHX-A3XK  8 Bolt Std. Mount Air Shift
489XQAHX-T3XK  8 Bolt Std. Mount Combo Valve
489GQAHX-A3XK  8 Bolt Met. Mount Air Shift
489GQAHX-T3XK  8 Bolt Met. Mount Combo Valve

Refer to the Chelsea Application Guide for Complete Listing
PTO to Run @ 125% of engine Speed

PGP051 4B ODT SRP 7/8" 13T 25 BI  313-9610-526T
PGP051 4B MIX SP 7/8" 13T 25 CCW  313-9610-527T

Double Filter Length
50AT225CN2500N  1 ¼” O-Ring
50A5225CN25DDN  1 ¼” NPT
Combination Moving Floor / Dump Trailer

ACVA10
Combo Valve
Dump Truck / Trailer Accessories

S 328388-65X With Auto Kick Out and Spring Return
T 328388-72X Without Auto Kick Out and No Spring Return
U 338388-79X With Auto Kick Out and No Spring Return

Note: S&T Option is most common for Dump Trucks
U most common in Dump Trailers

Combo Valve With Pressure Switch  Allison Transmissions
S With Auto Kick Out and Spring Return
T Without Auto Kick Out and Spring Return

Caution: Never leave any valve in the down position while driving. [Always return to the neutral position]

Chelsea Combo Valve Console
329219X

ASK 17 & ASK 49 Air Shift Kit Only Used with
Chelsea Comb Valve Option to Shift the Pump
Commercial  314-9414-017  C101&C102
Commercial  314-9414-049  G101&G102
Dump Truck / Trailer Accessories

Commercial Pump Support Brace
391-1832-323 (Works with XK and Fuller Transmissions)
Note: A Pump brace is Required on all C102 Pumps to Support the pump to the Transmission

ASK 17  314-9414-017
Air Shift Kit Used with Chelsea Combo Valve Option to Air Shift the C102 Pump

VP04-2-2813 In-cab Air Control with Detent in the raise and lower Positions:
VP04-2-2480 In-cab Air Control with Spring Return to Neutral

Joy Stick
VP04-4-2870 Up Back /Left Right Controls Spring Return to Neutral
Hydraulic Hoses

Suction and Return Line Uses 88 Series Reusable Fittings

High Pressure Hoses Uses 43 Series Crimp Fittings
Hose Barb / Clamps / Ball Valves

Hose Barb

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0188-12-12</td>
<td>¾” Male Pipe to ¾” Hose Barb</td>
</tr>
<tr>
<td>0188-16-16</td>
<td>1” Male Pipe to 1” Hose Barb</td>
</tr>
<tr>
<td>0188-20-20</td>
<td>1 ¼” Male Pipe to 1 ¼” Hose Barb</td>
</tr>
<tr>
<td>0188-20-24</td>
<td>1 ¼” Male Pipe to 1 ½” Hose Barb</td>
</tr>
<tr>
<td>0188-24-24</td>
<td>1 ½” Male Pipe to 1 ½” Hose Barb</td>
</tr>
</tbody>
</table>

Hose Clamps

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>88HC-12</td>
<td>¾” Hose Clamp</td>
</tr>
<tr>
<td>88HC-16</td>
<td>1” Hose Clamp</td>
</tr>
<tr>
<td>88HC-20</td>
<td>1 ¼” Hose Clamp</td>
</tr>
<tr>
<td>88HC-24</td>
<td>1 ½” Hose Clamp</td>
</tr>
</tbody>
</table>

Ball Valves

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XV520P-16</td>
<td>1” Ball Valve</td>
</tr>
<tr>
<td>XV520P-20</td>
<td>1 ¼” Ball Valve</td>
</tr>
<tr>
<td>XV520P-24</td>
<td>1 ½” Ball Valve</td>
</tr>
</tbody>
</table>
Hydraulic Quick Coupler

Wing Nut Coupler
6125-16 1”
6125-20 1 ¼”
6125-24 1 ½”

Matching Nipple
6105-16 1”
6105-20 1 ¼”
6105-24 1 ½”

Complete Assembly
6100-16 1”
6100-20 1 ¼”
6100-24 1 ½”
## Misc. Connectors

### Reducers
- **0102-24-16**: 1 ½” to 1”
- **0102-24-20**: 1 ½” to 1 ¼”
- **0102-20-16**: 1 ¼” to 1”
- **0102-20-12**: 1 ¼” to ¾”

### Pipe Nipple
- **0101-20-20**: 1 ¼” x 1 ¼” Pipe Nipple
- **0101-24-24**: 1 ½” x 1 ½” Pipe Nipple
- **0101-24-32**: 2” x 1 ½” Pipe Nipple

### Male Connector
- **0103-12-12**: ¾” Pipe to ¾” 37 Deg. JIC
- **0103-16-16**: 1” Pipe to 1” 37 Deg. JIC
- **0103-20-20**: 1 ¼” Pipe to 1 ¼” 37 Deg. JIC

### Male Pipe Adapter
- **0107-12-16**: ¾” Male Pipe to 1” Female Swivel
- **0107-16-20**: 1” Male Pipe to 1 ¼” Female Swivel
- **0107-20-20**: 1 ¼” Male Pipe to 1 ¼” Female Swivel

### Street Elbow
- 1 ¼ CD: 1 ¼” Male Pipe X 1 ¼” Female Pipe
- 1 ½ CD: 1 ½” Male Pipe X 1 ½” Female Pipe
**Misc. Connectors**

O-Ring Hollow Hex Head Plug
- HP05-12 ¾” O-Ring
- HP05-16 1” O-Ring
- HP05-20 1 ¼” O-Ring
- HP05-24 1 ½” O-Ring

NPT Hollow Hex Head Plug
- 01HP-12 ¾” NPT
- 01HP-16 1” NPT
- 01HP-20 1 ¼” NPT
- 01HP-24 1 ½” NPT
- 01HP-32 2” NPT
# Dump Truck Cylinders

<table>
<thead>
<tr>
<th>Dump Truck Model #</th>
<th>Application</th>
<th>Max PSI</th>
<th>Lifting Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>S53DC-66-84</td>
<td>10-12 ft</td>
<td>2000</td>
<td>35,441</td>
</tr>
<tr>
<td>S63DC101-120</td>
<td>14-15 ft</td>
<td>2000</td>
<td>51,935</td>
</tr>
<tr>
<td>S63DC-101-140</td>
<td>15-16 ft</td>
<td>2000</td>
<td>51,935</td>
</tr>
<tr>
<td>S63DC-102-126</td>
<td>14-15 ft</td>
<td>2500</td>
<td>70,685</td>
</tr>
<tr>
<td>S63DC-102-138</td>
<td>15-16 ft</td>
<td>2500</td>
<td>70,685</td>
</tr>
<tr>
<td>S63DC-102-162</td>
<td>18-20 ft</td>
<td>2500</td>
<td>70,685</td>
</tr>
<tr>
<td>S74DC-74-135</td>
<td>15-16 ft</td>
<td>2000</td>
<td>71,570</td>
</tr>
<tr>
<td>S74DC-74-156</td>
<td>18-20 ft</td>
<td>2000</td>
<td>71,570</td>
</tr>
<tr>
<td>S74DC-74-161.75</td>
<td>18-20 ft</td>
<td>2000</td>
<td>71,570</td>
</tr>
</tbody>
</table>

*Note: Application varies between Body Manufacturers 2500 PSI*  
*Direct Heil Replacement Cylinders*
Types of Dump Trailers
## Dump Trailer Cylinders

<table>
<thead>
<tr>
<th>Model #</th>
<th>Frame</th>
<th>Hybrid</th>
<th>Frameless</th>
<th>Max PSI</th>
<th>Lifting Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>S84DC-66-170</td>
<td></td>
<td></td>
<td>24 ft</td>
<td>2000</td>
<td>98,034</td>
</tr>
<tr>
<td>S84DC-77-180</td>
<td>24ft</td>
<td></td>
<td></td>
<td>2000</td>
<td>98,034</td>
</tr>
<tr>
<td>S84DC-77-190</td>
<td>24ft</td>
<td></td>
<td></td>
<td>2000</td>
<td>98,034</td>
</tr>
<tr>
<td>S85DC-77-235</td>
<td></td>
<td></td>
<td>32ft</td>
<td>2000</td>
<td>98,034</td>
</tr>
<tr>
<td>S85DC-66-250</td>
<td>24ft</td>
<td></td>
<td></td>
<td>2000</td>
<td>98,034</td>
</tr>
<tr>
<td>S85DC-66-265</td>
<td>32ft</td>
<td></td>
<td>38ft</td>
<td>2000</td>
<td>97,034</td>
</tr>
<tr>
<td>S85DC-66-285</td>
<td>38ft</td>
<td></td>
<td></td>
<td>2000</td>
<td>98,034</td>
</tr>
<tr>
<td>S95DC-52-320</td>
<td>38ft</td>
<td></td>
<td></td>
<td>2000</td>
<td>127,235</td>
</tr>
</tbody>
</table>
Moving Floor Application Guide
Keith Set Up

Note: Keith shows Poppet Style Quick Connects / Most trailers often have Wing Type Quick Connects

**IMPORTANT**
TO ENSURE PROPER OPERATION OF YOUR KEITH® WALKING FLOOR® UNLOADER, THE FOLLOWING CHECKLIST AND DIAGRAM MUST BE FOLLOWED. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY VOID THE KEITH WARRANTY.

**TRACTOR:**
1) MALE QUICK COUPLER TO BE ON RETURN LINE (LINE THROUGH FILTER TO TANK).
2) FEMALE QUICK COUPLER TO BE ON PRESSURE LINE (LINE FROM PUMP).

**TRAILER:**
1) FEMALE QUICK COUPLER TO BE ON RETURN LINE (LINE FROM SWITCHING VALVE PORT STAMPED “RES”).
2) MALE QUICK COUPLER TO BE ON PRESSURE LINE (LINE TO SWITCHING VALVE PORT STAMPED “PUMP”).

*SEE NOTE*

*NOTE: PRESSURE LINE MUST BE ATTACHED TO THIS PORT!!!*

*NOTE: The pressure and return lines must attach to their proper ports on the switching valve. If you have any questions or problems, call KEITH Mfg. Co. at 800-547-6161.*

25
Keith Start Up Procedures

Start-Up Check List for the KEITH® V-Floor® System

Before starting your new KEITH® V-Floor® unloader, a quick start-up check should be made.

1. Is your entire system plumbed to the plumbing diagram?
2. *Pump: Will it pump 30-35 GPM at 3000 PSI?
3. *Relief Valve: Is it set at 2800-3000 PSI?
4. Oil: Have you filled the reservoir?
5. Power Take Off: Is the P.T.O. engaged?
6. Quick Disconnects: Are they the same size and type? Are they completely engaged?
7. Ball Valve: Is the ball valve on the drive unit closed?
8. Is the pressure line on the trailer attached to the pressure line on the tractor and the return line on the trailer attached the return line on the tractor?

*If the information about your pump and relief valve is not known, a pressure/flow check will help determine this information. Be sure that your entire wet kit system meets the requirements of the hydraulic wet kit specifications in this manual.
## Wet Kit Information

<table>
<thead>
<tr>
<th>Transmission:</th>
</tr>
</thead>
<tbody>
<tr>
<td>This wet kit is designed for a Fuller 13 or 15 speed transmission. All of the following information applies to this transmission. Power Take Off (P.T.O.) specifications may vary with other transmissions. Please check with KEITH Mfg. Co. for other specifications.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oil:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chevron AW46 hydraulic oil or equivalent.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P.T.O.:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chelsea series 442/489 bottom mount (6 or 8 bolt) 118% Power Take Off (electric over speed is highly recommended), or Muncie P.C. 65 with electric over speed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pump:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial P51 type with dowelled housing; 2 1/2&quot; gear (2&quot; four bolt suction) with Anchor W43-32-32 flange.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Filter:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter should be 10 to 30 micron on the return line. Filter should be a double element Zinga or equivalent. Filter head #DF-15-25. MF 2215-25-0-2-0. Filter element #LE-10 or LE-30. (The filter element should be changed after 6 hours initially, and then every 6 months thereafter. This may vary with the operating environment.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydraulic Reservoir:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should hold approximately 1 gallon of oil for every gallon per minute you plan to pump, i.e. 40 GPM = 40 gallon reservoir. Reservoir should hold a minimum of 40 gallons of oil.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Suction Line:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction line from the tank to the pump should be no more than 5' in length and a minimum of 2” inside diameter. Example: SAE-100R4. (This type of line has a spiral wire to keep the hose from collapsing under suction.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pressure Line:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose from truck to trailer should be 1” 16 SAE-100R2.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Return Line:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hose from trailer to filter should be 1” 16 SAE-100R1. Hose from filter to tank should be 11/2” 20 SAE-100R1.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>*Pressure Relief Valve:</th>
</tr>
</thead>
<tbody>
<tr>
<td>High quality valve, with the ability to relieve full pump flow at 3000 PSI.</td>
</tr>
</tbody>
</table>

*Note: It is critical that this relief valve is set at no less than 2800 PSI and no more than 3000 PSI.*
Moving Floor System
PTO Driven System

To start the moving floor simply engage the PTO

To stop the moving floor disengage the PTO
Moving Floor
Front Mount Engine
PTO Driven

Manual Transmissions [Eaton]
489XQAHX-A3XK  8 Bolt Std. Mount Air Shift
489XQAHX-V3XK  8 Bolt Std. Mount Air Shift Less Hoses
489GQAHX-A3XK  8 Bolt Metric Mount Air Shift
489GQAHX-V3XK  8 Bolt Metric Mount Air Shift Less Hoses

Tip: For KW / Peterbilt & Sterling Trucks use 5 Arrangement

Automatic Transmissions [Allison]
277XGFJP-B5XK  10 Bolt Standard 2/4 Bolt Flange
277XGFJP-B5RB  10 Bolt Standard 4 Bolt Flange
277XDFJP-B5XK  10 Bolt Rotatable 2/4 Bolt Flange
277XDFJP-B5RB  10 Bolt Standard 4 Bolt Flange

See Chelsea Application Guide for Complete Listing

Pump With Relief Built In
PGP051 2/4B NPT SP 7/8" 13T 25 RV
313-9610-699T  Parker Commercial

Pump Without Built In Relief Valve
PGP051 4B MIX SP 7/8" 13T 25  Keith Standard
313-9610-527T  Parker Commercial
Manual or Automatic Transmissions
Front Mounted Engine

PGPLS076 4C SF SP 1 1/4" K 22
3169610258T Parker Commercial

Activation Switch Kit
3911842118 Parker Commercial
Tanks & Filtration

URA50  UP Right Aluminum 50 Gallon Tank
URS50  UP Right Steel 50 Gallon Tank

SMA50  Side Mount Aluminum
SMS50  Side Mount Steel

FSP415-5AF4H
Hydraulic Hoses

Suction and Return Line Uses 88 Series Reusable Fittings

High Pressure Hoses Uses 43 Series Crimp Fittings
Hydraulic Quick Coupler

Wing Nut Coupler
6125-16 1"
6125-20 1 ¼"
6125-24 1 ½"

Matching Nipple
6105-16 1"
6105-20 1 ¼"
6105-24 1 ½"

Complete Assembly
6100-16 1"
6100-20 1 ¼"
6100-24 1 ½"
## Misc. Connectors

### Reducers
- **0102-24-16**: 1 ½” to 1”
- **0102-24-20**: 1 ½” to 1 ¼”
- **0102-20-16**: 1 ¼” to 1”
- **0102-20-12**: 1 ¼” to ¾”

### Pipe Nipple
- **0101-20-20**: 1 ¾” x 1 ¼” Pipe Nipple
- **0101-24-24**: 1 ½” x 1 ½” Pipe Nipple
- **0101-24-32**: 2” x 1 ½” Pipe Nipple

### Male Connector
- **0103-12-12**: ¾” Pipe to ¾” 37 Deg. JIC
- **0103-16-16**: 1” Pipe to 1” 37 Deg. JIC
- **0103-20-20**: 1 ¼” Pipe to 1 ¼” 37 Deg. JIC

### Male Pipe Adapter
- **0107-12-16**: ¾” Male Pipe to 1” Female Swivel
- **0107-16-20**: 1” Male Pipe to 1 ¼” Female Swivel
- **0107-20-20**: 1 ¼” Male Pipe to 1 ¼” Female Swivel

### Street Elbow
- **1 ¼ CD**: 1 ¼” Male Pipe X 1 ¼” Female Pipe
- **1 ½ CD**: 1 ½” Male Pipe X 1 ½” Female Pipe
Live Bottom Application

ENGINEERING YOUR SUCCESS.
Live Bottom Without Flow Control
Live Bottom With Flow Control
Live Bottom Wetline System

To start the live bottom simply engage the PTO
To stop the live bottom disengage the PTO
PTO and Pump Required

Manual Transmissions [Eaton]
- 489XQAHX-A3XK  8 Bolt Std. Mount Air Shift
- 489XQAHX-V3XK  8 Bolt Std. Mount Air Shift Less Hoses
- 489GQAHX-A3XK  8 Bolt Metric Mount Air Shift
- 489GQAHX-V3XK  8 Bolt Metric Mount Air Shift Less Hoses

Tip: For KW / Peterbilt & Sterling Trucks use 5 Arrangement

Automatic Transmissions [Allison]
- 277XGFJP-B5XK  10 Bolt Standard 2/4 Bolt Flange
- 277XGFJP-B5RB  10 Bolt Standard 4 Bolt Flange
- 277XDFJP-B5XK  10 Bolt Rotatable 2/4 Bolt Flange
- 277XDFJP-B5RB  10 Bolt Standard 4 Bolt Flange

See Chelsea Application Guide for Complete Listing

Pump With Relief Built In
- PGP051 2/4B NPT SP 7/8" 13T 25 RV
- 313-9610-699T   Parker Commercial
Tanks & Filtration

URA50  UP Right Aluminum 50 Gallon Tank
URS50  UP Right Steel 50 Gallon Tank

SMA50  Side Mount Aluminum
SMS50  Side Mount Steel

FSP415-5AF4H
Hydraulic Hoses

Suction and Return Line Uses 88 Series Reusable Fittings

High Pressure Hoses Uses 43 Series Crimp Fittings
Hydraulic Quick Coupler

**Wing Nut Coupler**
- 6125-16 1"
- 6125-20 1 ¼"
- 6125-24 1 ½"

**Matching Nipple**
- 6105-16 1"
- 6105-20 1 ¼"
- 6105-24 1 ½"

**Complete Assembly**
- 6100-16 1"
- 6100-20 1 ¼"
- 6100-24 1 ½"
**Misc. Connectors**

**Reducers**
- 0102-24-16 1 ½” to 1”
- 0102-24-20 1 ½” to 1 ¼”
- 0102-20-16 1 ¼” to 1”
- 0102-20-12 1 ¼” to ¾”

**Pipe Nipple**
- 0101-20-20 1 ¼” x 1 ¼” Pipe Nipple
- 0101-24-24 1 ½” x 1 ½” Pipe Nipple
- 0101-24-32 2” x 1 ½” Pipe Nipple

**Male Connector**
- 0103-12-12 ¾” Pipe to ¾” 37 Deg. JIC
- 0103-16-16 1” Pipe to 1” 37 Deg. JIC
- 0103-20-20 1 ¼” Pipe to 1 ¼” 37 Deg. JIC

**Male Pipe Adapter**
- 0107-12-16 ¾” Male Pipe to 1” Female Swivel
- 0107-16-20 1” Male Pipe to 1 ¼” Female Swivel
- 0107-20-20 1 ¼” Male Pipe to 1 ¼” Female Swivel

**Street Elbow**
- 1 ¼ CD 1 ¼” Male Pipe X 1 ¼” Female Pipe
- 1 ½ CD 1 ½” Male Pipe X 1 ½” Female Pipe
Low Boy Application
Low-Boy System
Low-Boy Connection Wing Type
Low-Boy Wet Line System P20 Pump

Relief Valve is generally built into the Valve on a Low-Boy trailer. If the trailer does not have a relief valve use RPL100A inline relief.
Low-Boy System
Dump Pump
PTO and Pump Required

**Manual Transmissions [Eaton]**
- 489XFAHX-A3XK8 Bolt Std. Mount Air Shift
- 489XFAHX-V3XK8 Bolt Std. Mount Air Shift Less Hoses
- 489GFAHX-A3XK8 8 Bolt Metric Mount Air Shift
- 489GFAHX-V3XK8 8 Bolt Metric Mount Air Shift Less Hoses

**Tip:** For KW / Peterbilt & Sterling Trucks use 5 Arrangement

**Automatic Transmissions [Allison]**
- 277XBFJP-B5XK 10 Bolt Standard 2/4 Bolt Flange
- 277XBFJP-B5RB 10 Bolt Standard 4 Bolt Flange
- 277XBFJP-B5XK 10 Bolt Rotatable 2/4 Bolt Flange
- 277XBFJP-B5RB 10 Bolt Standard 4 Bolt Flange

*See Chelsea Application Guide for Complete Listing*

**Pump**
- PGP020 2/4B NPT SRP 7/8" 13T 20
- 308-9110-266T Parker Commercial

**Dump Pump**
- C102D-25-1 314-9325-229T Without Air Shift
- C102D-25-1AS 314-9325-227T With Air Shift
Tanks & Filtration

URA50  UP Right Aluminum 50 Gallon Tank
URS50  UP Right Steel 50 Gallon Tank

SMA50  Side Mount Aluminum
SMS50  Side Mount Steel

FSP415-5AF4H
Hydraulic Hoses

Suction and Return Line Uses 88 Series Reusable Fittings

High Pressure Hoses Uses 43 Series Crimp Fittings
Hydraulic Quick Coupler

Wing Nut Coupler
- 6125-16  1”
- 6125-20  1 ¼”
- 6125-24  1 ½”

Matching Nipple
- 6105-16  1”
- 6105-20  1 ¼”
- 6105-24  1 ½”

Complete Assembly
- 6100-16  1”
- 6100-20  1 ¼”
- 6100-24  1 ½”
**Misc. Connectors**

**Reducers**
- 0102-24-16  1 ½” to 1”
- 0102-24-20  1 ½” to 1 ¼”
- 0102-20-16  1 ¼” to 1”
- 0102-20-12  1 ¼” to ¾”

**Pipe Nipple**
- 0101-20-20  1 ¼” x 1 ¼” Pipe Nipple
- 0101-24-24  1 ½” x 1 ½” Pipe Nipple
- 0101-24-32  2” x 1 ½” Pipe Nipple

**Male Connector**
- 0103-12-12  ¾” Pipe to ¾” 37 Deg. JIC
- 0103-16-16  1” Pipe to 1” 37 Deg. JIC
- 0103-20-20  1 ¼” Pipe to 1 ¼” 37 Deg. JIC

**Male Pipe Adapter**
- 0107-12-16  ¾” Male Pipe to 1” Female Swivel
- 0107-16-20  1” Male Pipe to 1 ¼” Female Swivel
- 0107-20-20  1 ¼” Male Pipe to 1 ¼” Female Swivel

**Street Elbow**
- 1 ¼ CD  1 ¼” Male Pipe X 1 ¼” Female Pipe
- 1 ½ CD  1 ½” Male Pipe X 1 ½” Female Pipe
Question or Comments

If you have any questions about this product, please contact one of the following individuals:

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