

# DURA-PUMP™ ASSEMBLY GUIDES

DP 4000 Series • DEF 2000 Series • PM 1000 Series

***Congratulations on your recent Dura Products purchase.***

This guide will take you through the steps to easily assemble your device.



## EASY CADDY

*Instructions on page 2*



## QUICK CADDY

*Instructions on page 3*



## TOP UNLOAD

*Instructions on page 4*



**DURA PRODUCTS**  
Technology with Lasting Value

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**Dura Products, Inc.**

# DURA-PUMP™ EASY CADDY

DP 4000 Series • DEF 2000 Series • PM 1000 Series

## Contents:

- A** (1) Dura-Pump™
- B** (2) 1" Hose Barb
- C** (1) 1" x 5' Suction Hose
- D** (4) 1" Hose Clamps
- E** (2) 90° Hose Barb
- F** (1) 2" Female Cam Lock
- G** (1) 2" x 1" Bushing
- H** (1) 1" x 12' Discharge Hose
- I** (1) Ball Valve Nozzle
- J** (1) Caddy
- K** (3) Pins (Not pictured)
- L** (1) 1" Nipple
- M** (1) Dura-Meter™ (Optional)

## Tools Required:

- 1. 5/16 Wrench or flat head screwdriver
- 2. Pipe thread sealant
- 3. WD-40 (optional)

## For SIDE MOUNT Use:

Trim suction hose down to needed length to fit.

*Suggested length of 22" for 275 cage tank.*

## ATTENTION

Apply an even coat of Thread Sealant on male threads. Hand tighten joints and torque another 1/2 to 3/4 turn until threads are sealed.

**See page 1 for finished photo.**

## Suction Hose

(see illustration 1)

**Step 1:** Slide **C** onto **B** and tighten **D**

**Step 2:** Slide **E** into opposite end of **C** and tighten **D**

**Step 3:** Thread **F** into **G**, then thread **G** onto **E**

**Step 4:** Thread **B** into suction side of **A**

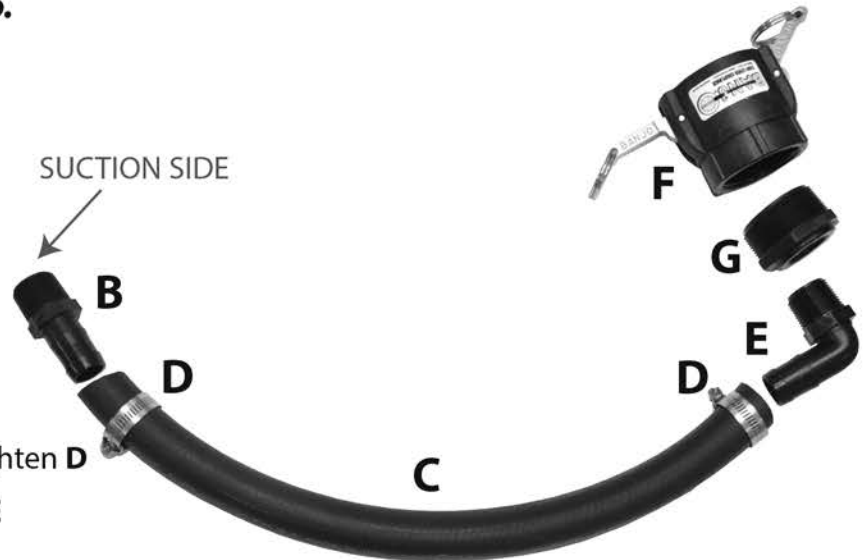


illustration 1

## Discharge Hose

(see illustration 2)

**Step 5:** Thread **E** into the discharge side of **A**

**Step 6:** Slide end of **H** onto **E** and tighten **D**

**Step 7:** Slide **B** into opposite end of **H** and tighten **D**

*If you have purchased a Dura-Meter™, skip Step 8 and proceed to Step 9.*

**Step 8:** Thread **I** onto end of **B**

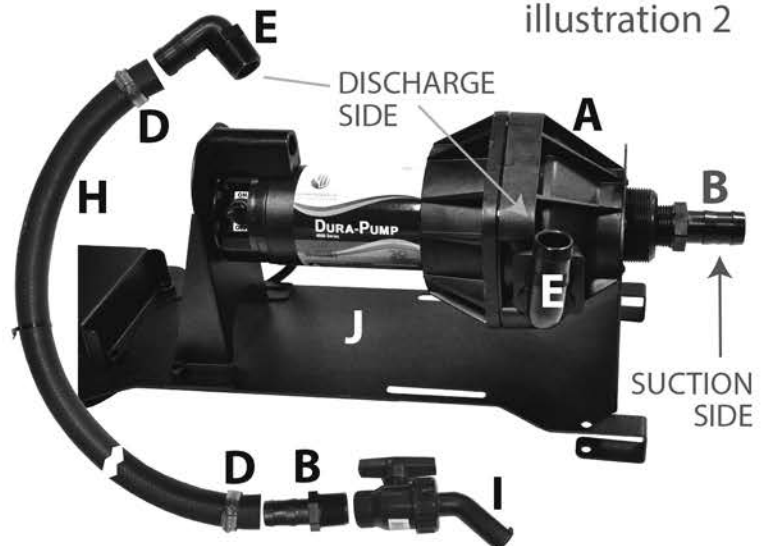


illustration 2

## (Optional) Dura-Meter™

(see illustration 3)

**Step 9:** Thread **L** into right "OUT" port of **M**

**Step 10:** Thread left port of **M** onto **B**

**Step 11:** Thread **I** onto **L**



illustration 3

# DURA-PUMP™ QUICK CADDY

DP 4000 Series • DEF 2000 Series • PM 1000 Series

## Contents:

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| <b>A</b> (1) Dura-Pump™           | <b>H</b> (1) 1" x 12' Discharge Hose |
| <b>B</b> (2) 90° Hose Barb        | <b>I</b> (1) Ball Valve Nozzle       |
| <b>C</b> (1) 1" x 5' Suction Hose | <b>J</b> (1) Dip Tube (Not Pictured) |
| <b>D</b> (4) 1" Hose Clamps       | <b>K</b> (3) Pins (Not Pictured)     |
| <b>E</b> (1) 2" Female Cam Lock   | <b>L</b> (1) Caddy                   |
| <b>F</b> (1) 2" x 1" Bushing      | <b>M</b> (1) Dura-Meter™ (Optional)  |
| <b>G</b> (2) 1" Hose Barb         | <b>N</b> (1) 1" Nipple               |

## Tools Required:

1. 5/16 Wrench or flat head screwdriver
2. Pipe thread sealant
3. WD-40 (optional)

## ATTENTION

Apply an even coat of Thread Sealant on male threads. Hand tighten joints and torque another 1/2 to 3/4 turn until threads are sealed.

**See page 1 for finished photo.**

## Suction & Discharge Hoses

(see illustration 1)

**Step 1: Suction Hose:** Thread **B** into suction side of **A**

**Step 2:** Slide **C** onto **B** and tighten **D**

**Step 3:** Slide second **B** into opposite end of **C** tighten **D**

**Step 4:** Thread **F** into **E**

**Step 5:** Thread **F** into **B**

**Step 6: Discharge Hose:** Screw **G** into discharge side of **A**

**Step 7:** Slide end of **H** onto **G** and tighten **D**

**Step 8:** Slide second **G** into opposite end of **H** and tighten **D**

*If you have purchased a Dura-Meter™, skip Step 9 and proceed to Step 10.*

**Step 9:** Thread **I** onto end of **G**

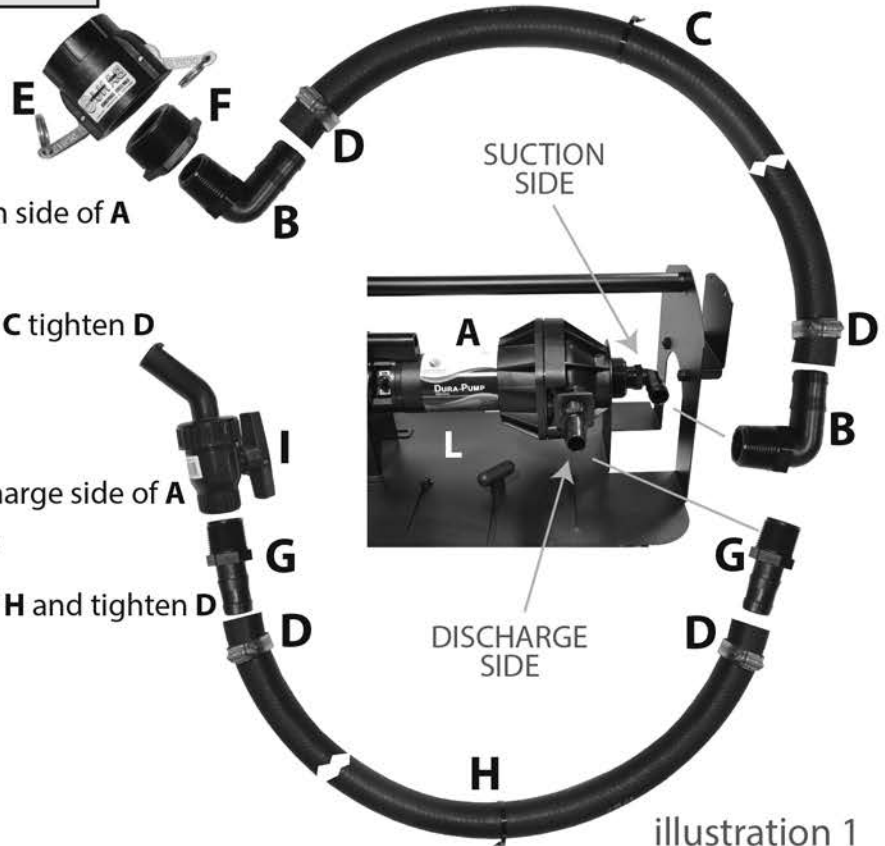


illustration 1

illustration 2

## (Optional) Dura-Meter™

*Meter can be plumbed in-line or mounted at the pump.*

**For in-line,** follow Steps 10, 11 and 12 (see illustration 2)

**Step 10:** Thread **N** into right "OUT" port of **M**

**Step 11:** Thread left port of **M** onto **G**

**Step 12:** Thread **I** onto **N**



**For pump mounting,** follow Steps 13, 14 and 15 (no illustration)

**Step 13:** Remove the 1" plug from back port of **M** and thread **N** into back port

**Step 14:** Thread **G** into right "OUT" port of **M**

**Step 15:** Thread 1" plug into the left side of **M**

# DURA-PUMP™ TOP UNLOAD

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## Contents:

- A** (1) Dura-Pump™
- B** (1) 1" Dip Tube
- C** (2) 1" Hose Barbs
- D** (1) 1" x 12' Discharge Hose
- E** (2) 1" Hose Clamps
- F** (1) Ball Valve Nozzle
- G** (1) Dura-Meter™ (Optional)
- H** (1) 1" Nipple

## Tools Required:

- 1. 5/16 Wrench or flat head screwdriver
- 2. Pipe thread sealant
- 3. WD-40 (optional)

**See page 1 for finished photo.**

## ATTENTION

Apply an even coat of Thread Sealant on male threads. Hand tighten joints and torque another 1/2 to 3/4 turn until threads are sealed.

## Dip Tube & Discharge Hose

(see illustration 1)

**Step 1:** Thread **B** into the suction side of **A**

**Step 2:** Screw **C** into the discharge side of **A**

**Step 3:** Slide end of **D** onto **C** and tighten **E**

**Step 4:** Slide the second **C** into opposite end of **D** and tighten **E**

*If you have purchased a Dura-Meter™, skip Step 5 and proceed to Step 6.*

**Step 5:** Thread **F** onto end of **C**

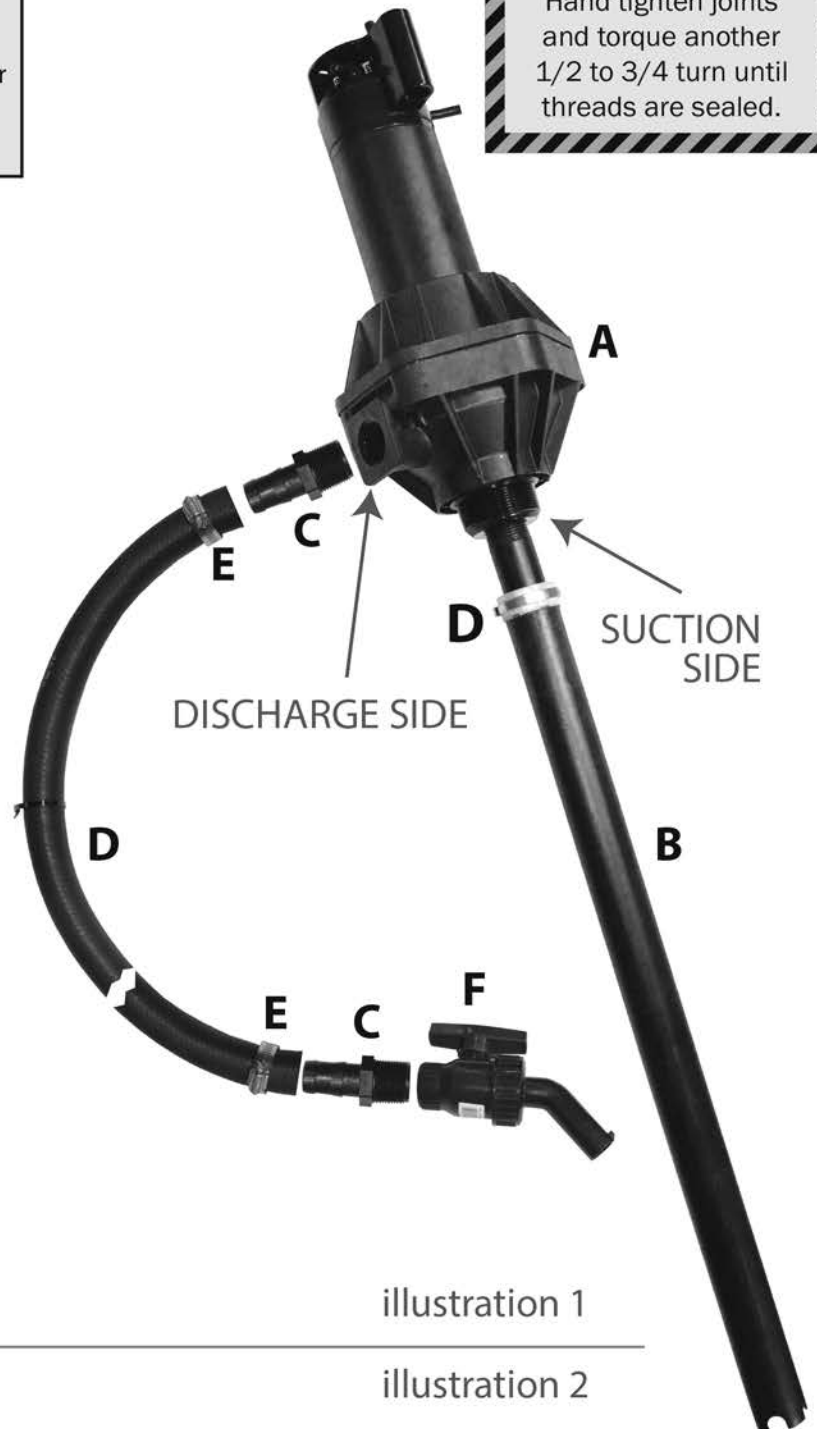


illustration 1

illustration 2

## (Optional) Dura-Meter™

(see illustration 2)

**Step 6:** Thread **H** into right "OUT" port of **G**

**Step 7:** Thread left port of **G** onto **C**

**Step 8:** Thread **F** onto **H**

