

# DURA-ABS™



*Automated  
Direct Injection*

## AUTO-BATCH SYSTEM DIRECT INJECTION

### 3" SYSTEM WITH 3" GAUGE KIT ASSEMBLY GUIDE



SYSTEM CONTAINS	
QTY	DESCRIPTION
1-4	DURA-ABS™ Auto-Batch System
1-4 1 PER DURA-ABS™	3" Accessory Kit
1	3" Gauge Kit
1	DI Frame

*Shown with  
(4) ABS pumps,  
(4) 2" Kits and  
(1) 2" Gauge Kit*



**DURA PRODUCTS**

Technology with Lasting Value

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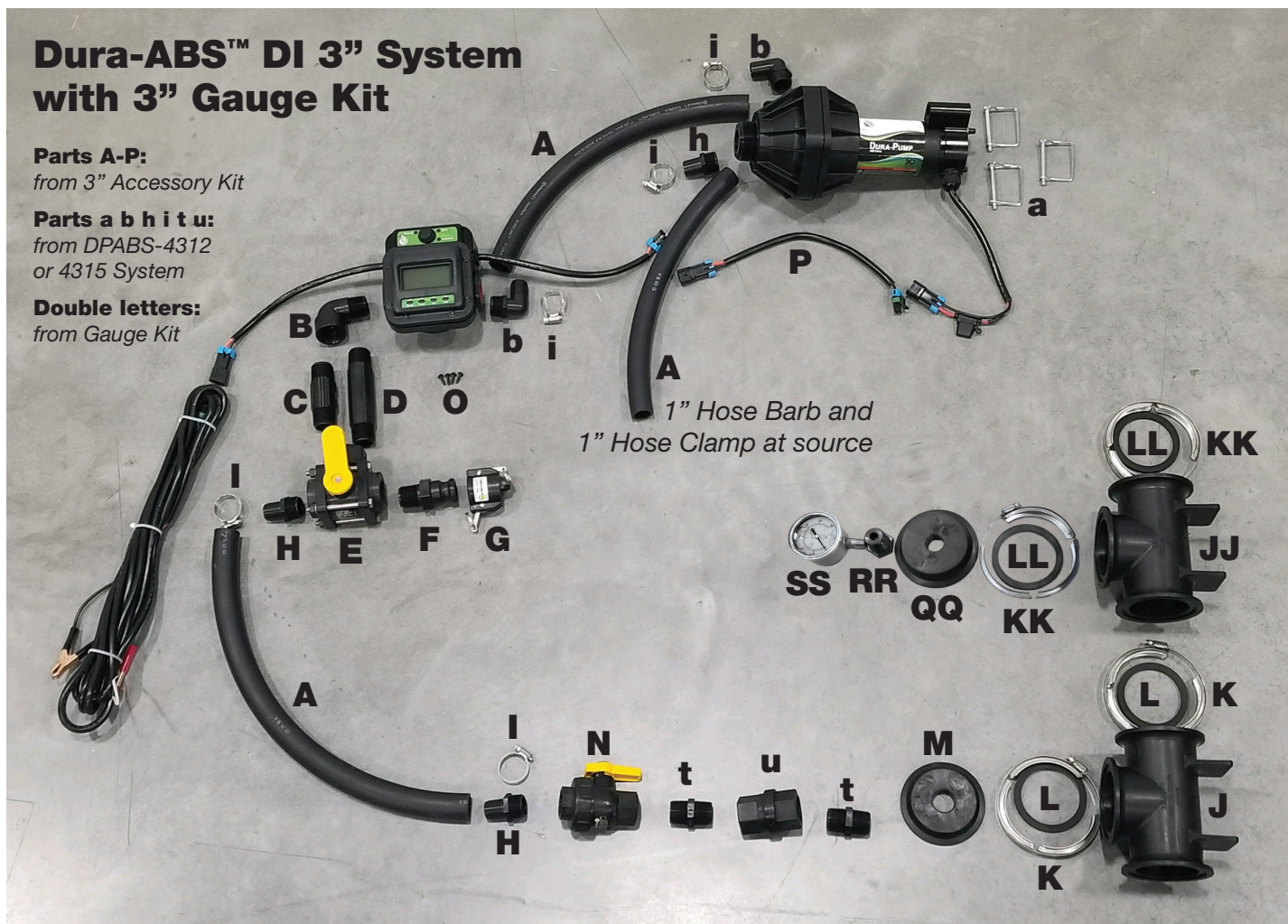
Arcadia, IN 46030 | (317) 984-4003

# Dura-ABS™ DI 3" System with 3" Gauge Kit

**Parts A-P:**  
from 3" Accessory Kit

**Parts a b h i t u:**  
from DPABS-4312  
or 4315 System

**Double letters:**  
from Gauge Kit



## Dura-ABS™ Direct Injection (DI) 3" Accessory Kit Includes:

	QTY	PART #	DESCRIPTION
<b>A</b>	5	DP-T4003	1" EPDM Hose
<b>B</b>	1	DP-BAN4001	1" Street Elbow – 90-degree
<b>C</b>	1	DP-TMNIP100-4	1" x 4" Poly Nipple
<b>D</b>	1	DP-TMNIP100-6	1" x 6" Poly Nipple
<b>E</b>	1	V100SL	Banjo 1" 3-Way Side Load Poly Valve
<b>F</b>	1	DP-TM100F	1" Male Adapter – 1" Male Thread
<b>G</b>	1	DP-TM100125CAP	1" Cap X Male Adapter Poly Cam Lever Coupling
<b>H</b>	2	DP-TM10PHB	1" Poly Hose Barb
<b>I</b>	2	DP-HC1000	1" Hose Clamp
<b>J</b>	1	DP-TMM300TEE	3" Flanged Tee
<b>K</b>	1	DP-BANFC300	300 Series Worm Screw Clamp
<b>L</b>	1	DP-TM300G	300 Series EPDM Gasket
<b>M</b>	1	DP-BANM300PLG100	3" Flange Plug with 1" FPT
<b>N</b>	1	DP-TM4002	1" Full Port Valve
<b>O</b>	4	DP-ATF 45x1.63x14.5	Torx Screw
<b>P</b>	1	SP-LWA-PM1PM-3D2	Pigtail / Meter-to-Pump (for 12 volt systems)



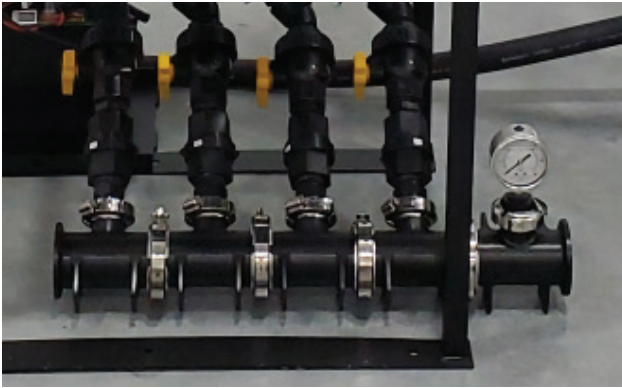
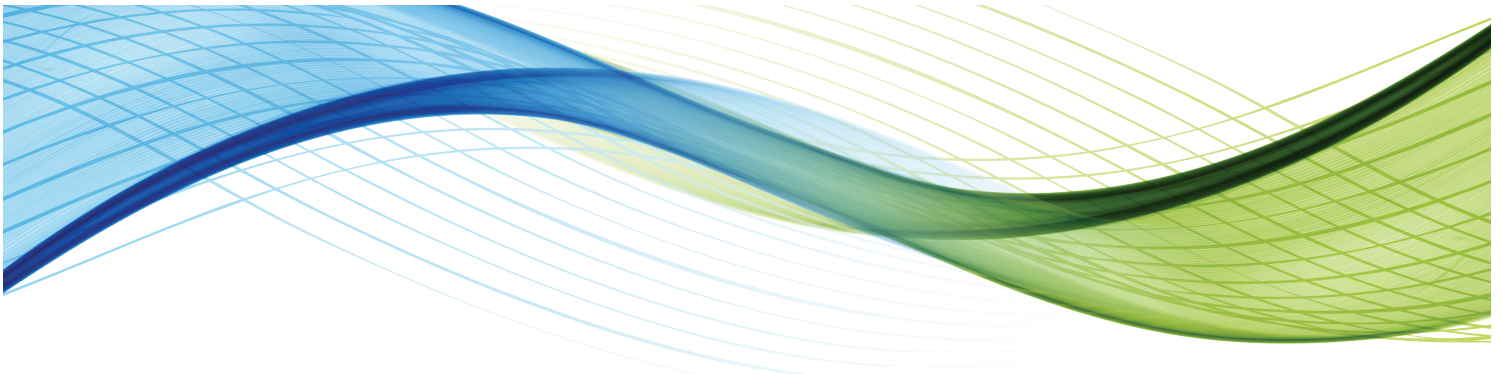
### Dura-ABS™ Direct Injection (DI) 3" Gauge Kit Includes:

	QTY	PART #	DESCRIPTION
<b>JJ</b>	1	DP-TMM300TEE	3" Flanged Tee
<b>KK</b>	2	DP-BANFC300	300 Series Worm Screw Clamp
<b>LL</b>	2	DP-BAN300G	300 Series EPDM Gasket
<b>QQ</b>	1	DP-BANM300PLG100	3" Flange Plug with 1" FPT
<b>RR</b>	1	DP-BANRB100-025raw	1" MPT x 1/4" FPT Reducing Bushing
<b>SS</b>	1	DP-P4045 DI-Gauge	Pressure Gauge, 30 PSI Max 2 1/2"

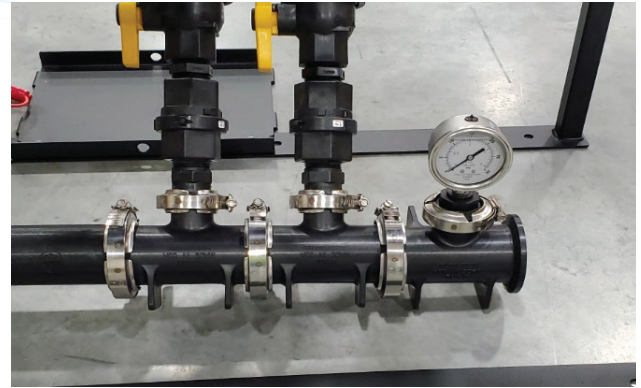
**NOTE: Parts from the two Accessory Bags in the Pump System box along with parts from the 3" DI Accessory Kit will be used to assemble entire set-up.**

### Assembly Steps for 3" DI System

1. Unpack DI Frame from box
2. Assemble Meter Dashboard to frame using the 4 Hex bolts and nuts
3. Insert 2 tube caps on front corners of the frame
4. Place Battery Plate on left rear side of the frame, tighten with 2 Hex nuts (*12 volt systems*)
5. Unpack Pump System(s)
6. Using Instruction sheet from the DP-AB001 Accessory Bag (*included in the pump box*), plumb the pump
7. Place pump into the DI frame, secure using 3 snap pins **a**. Two in front, one in the rear
8. Attach **B** to outlet of the meter
9. Attach either **C** or **D** to **B**
  - a. For position 1 and 2 on dashboard, use **C**
  - b. For position 3 and 4 on dashboard, use **D**
10. Attach 1" Elbow Hose Barb **b** to the inlet of the meter
11. Attach meter to the Meter Dashboard using 4 Torx screws **R**
12. Insert **P** between pump power cord and the meter power cord (*12 volt systems*)
13. Attach **E** to **C** or **D**
14. Attach **F** to the top of **E**
15. Place **G** on top of **F**
16. Insert **H** into bottom of **E**
17. Attach **A** from inlet of meter **b** to outlet of pump **b**. Tighten with clamps **i**. Can cut hose to length
18. Starting from Manifold
  - Attach **J** to **M** using parts **K & L**
  - Attach 1" Poly Nipple **t** to **M**
  - Attach 1" Check Valve **u**, make sure arrow on check valve points toward **J**
  - Attach 1" Poly Nipple **t** to Check Valve **u**, attach **N**
  - Attach **H** to **N**
19. To attach Gauge kit to Manifold
  - Attach **J** to **JJ** using parts **K & L**
  - Attach **JJ** to **QQ** using parts **KK & LL**
  - Attach **RR** to **QQ**
  - Attach **SS** to **RR**
20. Attach 1" hose from bottom of **E** to manifold, tighten with clamps **I**
21. Attach long power cord from meter to battery (*12 volt systems*)



Dura-ABS™ Direct Injection 2" Kit Assembly



Dura-ABS™ Direct Injection 2" Gauge Assembly



Dura-ABS™ Direct Injection 3" Kit Assembly



Dura-ABS™ Direct Injection 3" Gauge Assembly

You may also view assembly videos on our website.

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

Click on the **"Videos"** tab at the top of the page and wait for the page to load.  
Then scroll down and select the **"Dura DI Direct Injection Assembly Video"** link to view.