

DURA-ABS™



Automated
Direct Injection

AUTO-BATCH SYSTEM DIRECT INJECTION

2" SYSTEM WITH 2" GAUGE KIT ASSEMBLY GUIDE



SYSTEM CONTAINS

QTY	DESCRIPTION
1-4	DURA-ABS™ Auto-Batch System
1-4 1 PER DURA-ABS™	2" Accessory Kit
1	2" Gauge Kit
1	DI Frame

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



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Technology with Lasting Value

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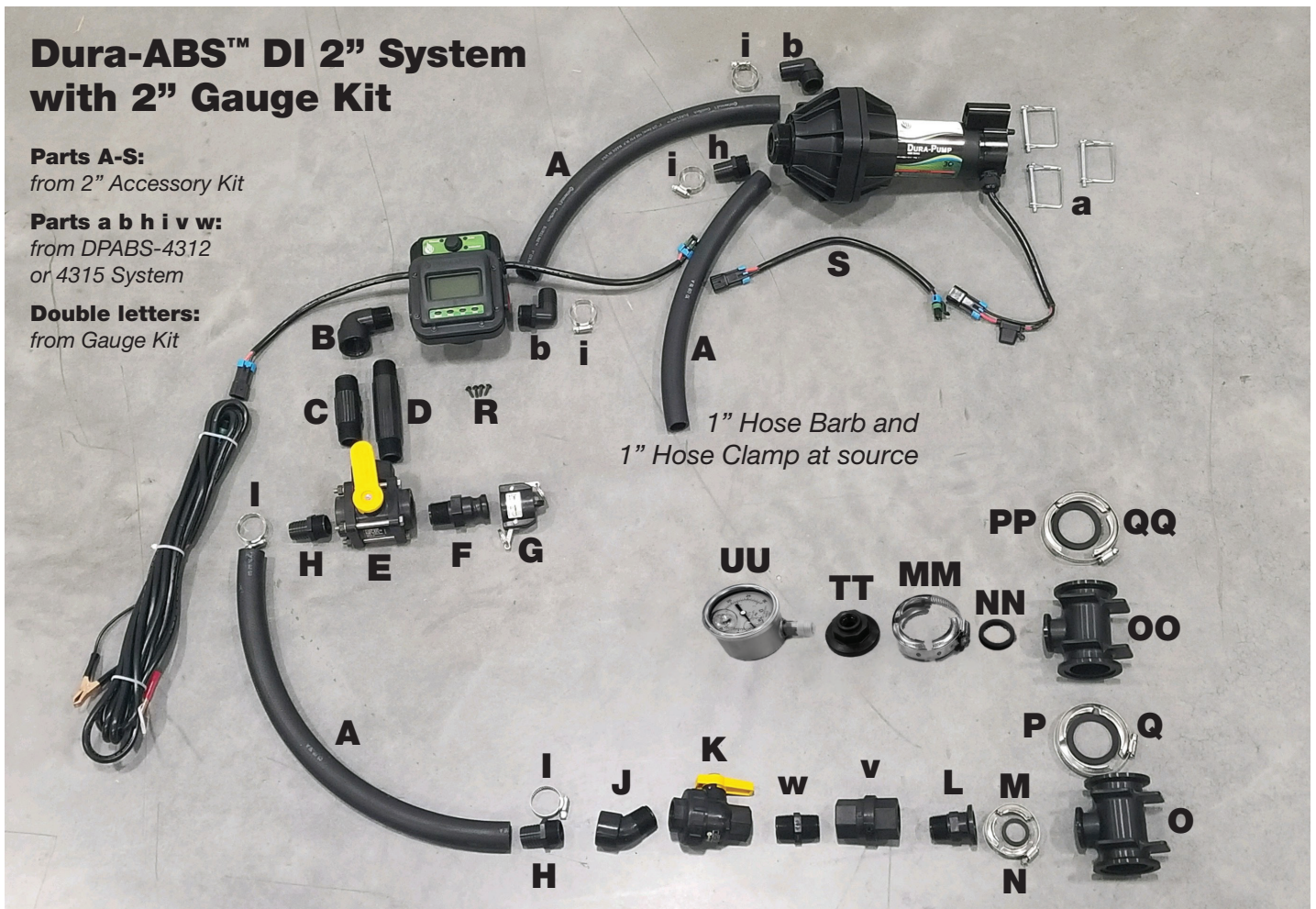
Arcadia, IN 46030 | (317) 984-4003

Dura-ABS™ DI 2" System with 2" Gauge Kit

Parts A-S:
from 2" Accessory Kit

Parts a b h i v w:
from DPABS-4312
or 4315 System

Double letters:
from Gauge Kit



Dura-ABS™ Direct Injection (DI) 2" Accessory Kit Includes:

	QTY	PART #	DESCRIPTION
A	5	DP-T4003	1" EPDM Hose
B	1	DP-BAN4001	1" Street Elbow – 90-degree
C	1	DP-TMNIP100-4	1" x 4" Poly Nipple
D	1	DP-TMNIP100-6	1" x 6" Poly Nipple
E	1	V100SL	Banjo 1" 3-Way Side Load Poly Valve
F	1	DP-TM100F	1" Male Adapter – 1" Male Thread
G	1	DP-TM100125CAP	1" Cap X Male Adapter Poly Cam Lever Coupling
H	2	DP-TM10PHB	1" Poly Hose Barb
I	2	DP-HC1000	1" Hose Clamp
J	1	DP-BANSL100-45	Banjo 1" Poly Street Elbow-45 Degree
K	1	DP-TM4002	1" Full Port Valve
L	1	DP-TMM100MPT	1" Flange x 1" Male Thread (NPT)
M	1	DP-BANFC100	100 Series 1" Worm Screw Clamp
N	1	DP-BANM100G	1" EPDM Manifold Gasket
O	1	DP-BANM220100TEE	2" Full Port Flanged Tee x 1" Flanged Tee
P	1	DP-BANFC220	220 Series 2" Worm Screw Clamp
Q	1	DP-TM200G	220 Series 2" Full Port EPDM Gasket
R	4	DP-ATF 45x1.63x14.5	Torx Screw
S	1	SP-LWA-PM1PM-3D2	Pigtail / Meter-to-Pump (for 12 volt systems)

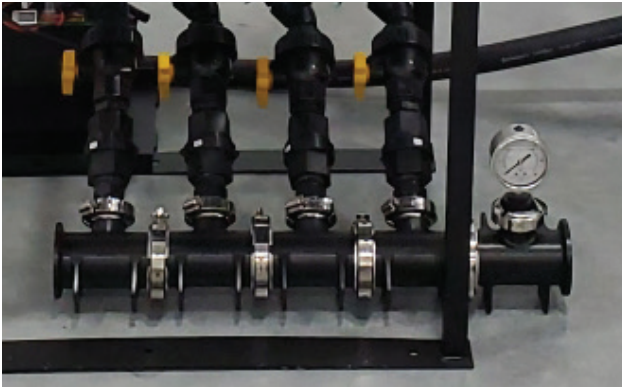
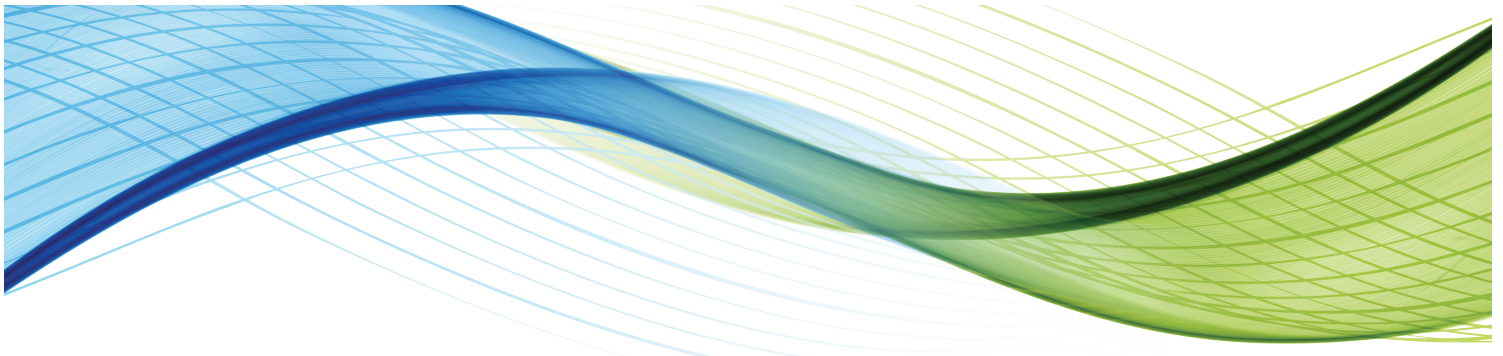
Dura-ABS™ Direct Injection (DI) 2" Gauge Kit Includes:

	QTY	PART #	DESCRIPTION
MM	1	DP-BANFC100	100 Series 1" Worm Screw Clamp
NN	1	DP-BANM100G	1" EPDM Manifold Gasket
OO	1	DP-BANM220100TEE	2" Full Port Flanged Tee x 1" Flanged Tee
PP	1	DP-BANFC220	220 Series 2" Worm Screw Clamp
QQ	1	DP-BTM200G	220 Series 2" Full Port EPDM Gasket
TT	1	DP-TMM100PLG025	1" Flange plug with 1/4" FPT
UU	1	DP-P4045 DI-Gauge	Pressure Gauge, 30 PSI Max 2 1/2"

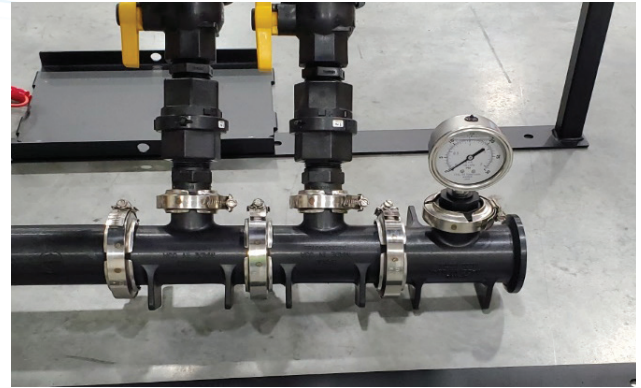
NOTE: Parts from the two Accessory Bags in the Pump System box along with parts from the 2" DI Accessory Kit will be used to assemble entire set-up.

Assembly Steps for 2" 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 **S** 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 the **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 **O** to **L** using parts **M** & **N**.
 - Attach 1" Check Valve **v**, make sure arrow on check valve points toward **O**.
 - Attach 1" Poly Nipple **w** to Check Valve **v**.
 - Attach Ball Valve **K**
 - Attach **J** to **K**.
 - Attach **I** to **J**.
19. To attach Gauge kit to Manifold
 - Attach **O** to **OO** using parts **P** & **Q**.
 - Attach **TT** to **OO** using parts **MM** & **NN**.
 - Attach **UU** to **TT**.
 - Attach **PP** and **QQ** to outlet of **OO**.
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

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.