



DOSATRON®

An Ingersoll Rand Business

HSPK-D14-PRO **Setup Guide for DosaCart PRO 20G**



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HSPK-D14-PRO Kit Contents

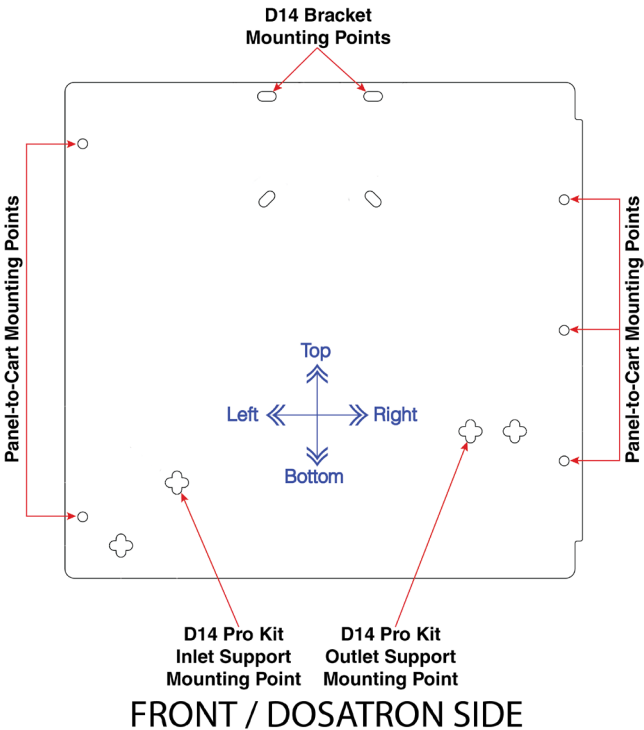
	1x	3/4" Threaded Tee
	1x	3/4" Threaded 90° Elbow
	2x	3/4" Threaded 45° Elbow
	1x	3/4" M x 1/2" F Threaded Bushing
	1x	3/4" Check Valve
	1x	3/4" M x 8" Long PVC Nipple
	1x	3/4" M x 2" Long PVC Nipple
	1x	3/4" Y-Filter
	1x	1/2" Check Valve
	1x	1/2" Close Threaded Nipple
	1x	1/2" MPT x 1/4" Barb Adaptor
	4x	Pipe Support Spacers
	2x	Pipe Support Clamps

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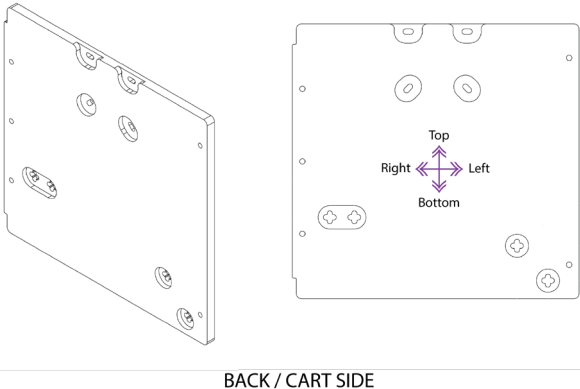
	1x	Hardware Pack Hardware included for: <u>Pipe Supports</u> 2x 1/4\"-20 x 3\" Screws 4x 1/4\" Flat Washers 2x 1/4\" Split Washers 2x 1/4\" Hex Nut <u>Dosatron Bracket</u> 2x 1/4\"-20 x 1\" Screws 4x 1/4\" Flat Washers 2x 1/4\" Split Washers 2x 1/4\" Hex Nut
	1x	3/4\" MPT x 3/4\" M CAM Adaptor
	1x	3/4\" MPT x 3/4\" F CAM Adaptor
	1x	3/4\" M Garden Hose Thd x 3/4\" M CAM Adaptor
	1x	3/4\" F Garden Hose Thd x 3/4\" F CAM Adaptor
	1x	3/4\" FPT x 3/4\" M CAM Adaptor
	1x	3/4\" FPT x 3/4\" F CAM Adaptor

The panel provided with the DosaCart Pro 20G is designed to accomodate mounting of D14, D6, and D40 series Dosatron injectors, and D14 and D6 Pro Hook Up Kits.

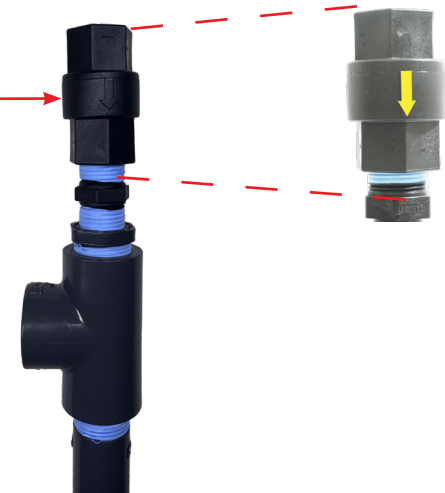
- Note the mounting locations for the D14 Pro Hook Up Kit identified below.
- The panel hshould arrive with the crash bar pre-attached and will include 1/4 - 20 x 1" screws for mounting the panel to the cart.



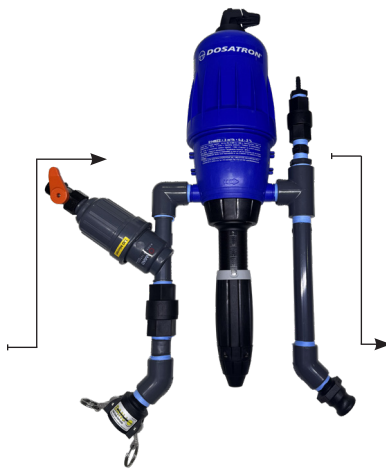
- Required Tools:
- PH2 Phillips Head Screw Driver
 - 7/16" Wrench or Socket
 - Tounge and Groove (Channellock®) Pliers

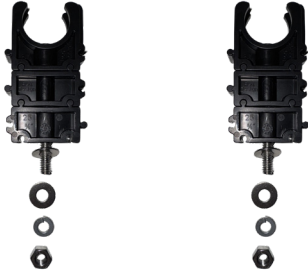
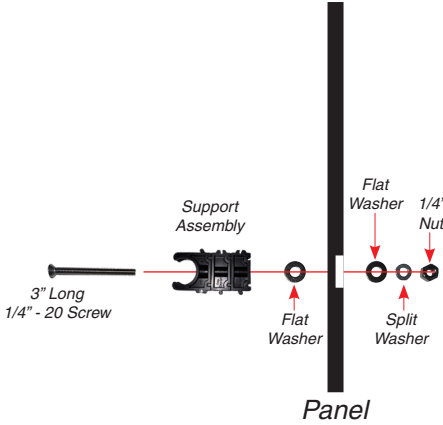
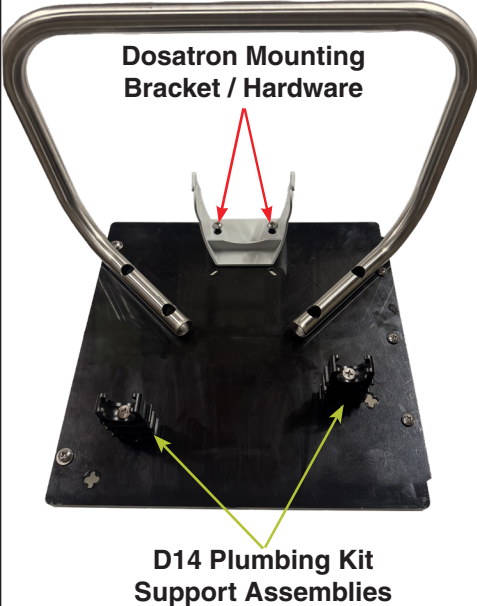


Step	Description	Image
1	Apply teflon tape to the <u>Male Pipe Thread (MPT)</u> fittings with 3-5 wraps of the Blue Monster teflon tape provided. Perform this step on all male pipe threaded fittings included in the kit.	
	<u>TIP:</u> <i>Hold the fitting in your left hand and roll the tape away from you around the threads from the side facing you (clockwise).</i> <i>Start on the top, complete your wrap count on the top (complete wrap), then hold the top position with your finger to secure the wrap and tear the tape to separate it from the roll.</i>	
2	Connect the 45° elbow to the 3/4" x 3" nipple Tighten to hand-tight.	
3	Connect the 3/4" check valve to the end of the 3/4" x 3" nipple opposite the 45° elbow. - The arrow on the check valve should be pointed away from the 45° elbow Tighten to hand-tight.	
4	Connect the inlet of the filter to the check Valve. - The arrow on the check valve should point towards the filter. Tighten to hand-tight.	
5	Connect the 3/4" 90° elbow to the outlet of the Y-filter Tighten to hand-tight.	

Step	Description	Image
6	Connect connect the ¾" x 8" nipple to the bottom port on the tee. - This should be done with the tee rotated so that connections are on the top, bottom, and side of the tee. Tighten to hand-tight.	
7	Connect the 45° elbow to the end of the ¾" x 8" nipple, opposite the tee. Tighten to hand-tight.	
8	Connect the ¾" x ½" bushing to the tee, opposite the nipple & 45° elbow. Tighten to hand-tight.	
9	Thread the ½" close threaded nipple into the ¾" x ½" bushing. Tighten to hand-tight.	
10	Connect the ½" check valve to the ½" nipple with the arrow on the check valve pointing down. Tighten to hand-tight.	

Step	Description	Image
11	Attach the barbed fitting to the remaining threaded connection on the top of the check valve. Tighten to hand-tight <i>** This assembly acts as a vacuum breaker to prevent siphoning through the Dosatron Injector.</i> <i>- During normal operations, under proper operating conditions, this assembly should remain sealed. If gurgling or leaking occurs, this is an indication of low water pressure or an over-demand of water flow beyond the capacity of the Dosatron injector or supply volume.</i>	
12	Tighten all fittings 1-2 complete rotation(s), aligning fittings to the orientation shown: The 45° and 90° elbows should align with one another, pointing opposite directions. The 45° elbow and tee should align with one another, pointing opposite directions.	
14	Attach the provided MPT cam-lock fittings to the 3/4" FPT inlet and outlet connections. The female cam (with levers and rings) should be on the INLET side of the kit. The male cam (barb only) should be on the OUTLET side of the kit.	
14.a	The yellow cam-lock fittings are designed to attach to a garden hose, and can be connected to your garden hose supply line and discharge line to create a "Quick Connect", allowing you to easily connect & disconnect the DosaCart from the hoses.	Discharge Connection Fitting   Supply Connection Fitting

Step	Description	Image
14.b	The remaining FPT cam-lock fittings can be connected to a non-garden hose supply line and discharge line to create a “Quick Connect”, allowing you to easily connect & disconnect the DosaCart from the line.	Discharge Connection Fitting   Supply Connection Fitting
15	Prepare the Dosatron unit by applying 3-5 wraps of teflon tape to the inlet and outlet threaded connections.	
16	Connect the Inlet plumbing assembly to the inlet of the Dosatron injector. Connect the outlet plumbing assembly to the outlet of the Dosatron injector. Tighten to hand-tight, then tighten until the inlet and outlet are aligned vertically with the Dosatron injector (1-2 rotations).	
16.a	Note the arrows on the Dosatron injector body - these arrows indicate flow direction to ensure proper operation.	

Step	Description	Image
17	Prepare the support assemblies for the plumbing kit. Each support assembly will require (1) pipe clamp and (2) spacers, as well as the provided 1/4" - 20 x 3" screws, washers, lock washers, and nuts.	
17.a	Connect (1) pipe clamp (2) spacers by aligning the tongue and groove joints and sliding the pieces together. Repeat for 2nd support assembly.	
17.b	Mount the (2) support assemblies to the panel using the provided 1/4" - 20 x 3" screws, washers, lock washers, and nuts to the points specified on the panel diagram. **Requires PH2 phillips head screw driver and 7/16" socket or wrench. The washers and nuts will sit in the recesses on the back of the panel.	
18	Mount the Dosatron bracket to the (2) points at the top of the panel, using the provided 1/4 - 20 x 1" screws, washers, lock washers, and nuts. The top of the Dosatron Bracket should mount flush with the top of the panel. The washers and nuts will sit in the recesses on the back of the panel. **requires PH2 phillips head screw driver and 7/16" socket or wrench.	

Step	Description	Image
19	Mount the completed panel to the DosaCart Pro 20G using the (5) 1/4 - 20 x 1" screws provided with the cart. *Start with the top screw on each side of the panel, set all screws before tightening **Requires a PH2 phillips head screw driver.	
20	Mount the Dosatron injector and plumbing assembly to the art-mounted panel. Step 20a: Place the Dosatron injector in the bracket but do not latch the bracket to the injector. - bring the Dosatron injector UP through the crash bar to place in the mounting bracket. Step 20b: Press each side of the plumbing kit into the support clamps to secure the assembly. - The inlet support will clamp on just above the 45° elbow. - The outlet support will clamp on to the PVC nipple. Step 20c: Push the Dosatron injector into the bracket to secure in place.	
21	Connect the suction tubing provided with the Dosatron injector to the suction port at the bottom of the Dosatron stem. The Dosatron suction strainer can be attached to the tubing and be draped over the top and into the container, or the tubing can be connected to the filter provided with the DosaCart Pro 20G.	

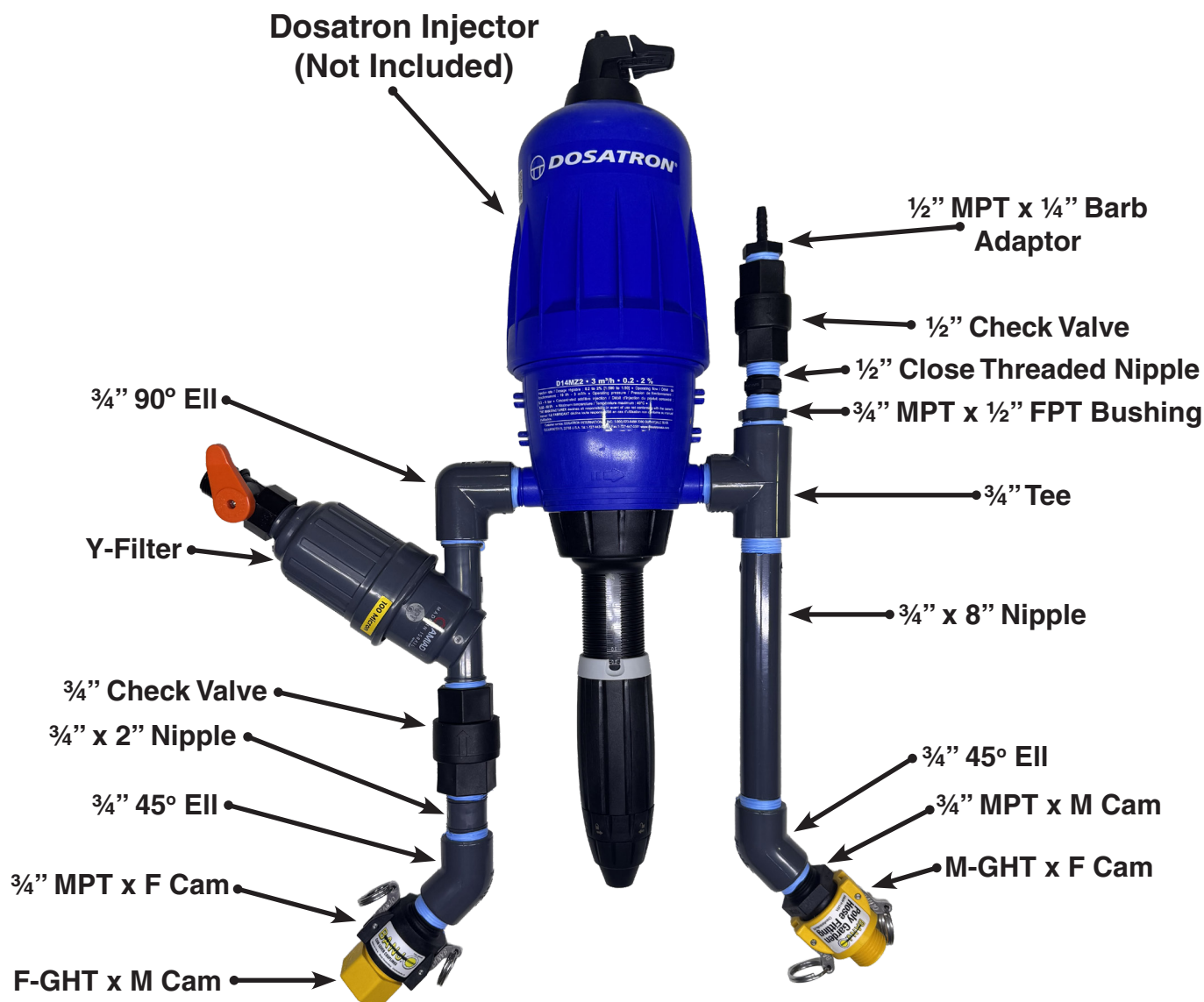


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Quick Start Overview



D14CQS-101025WB-2

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