DOSATRON®

An Ingersoll Rand Business

IPK100-26GPM Setup Guide

Industrial Plumbing Kit for Dosatron D6

Required Tools:

- *5/32" Allen Wrench (for Pressure Regulator Gauge)*
- *Tounge and Groove (Channellock®) Pliers*

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Dosatron International, LLC. • 2090 Sunnydale Blvd. • Clearwater, FL 33765 • 1-727-443-5404

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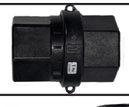
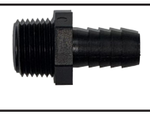
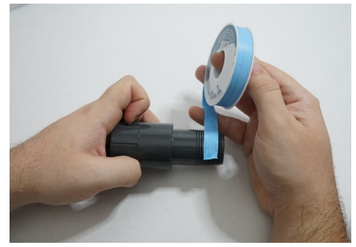
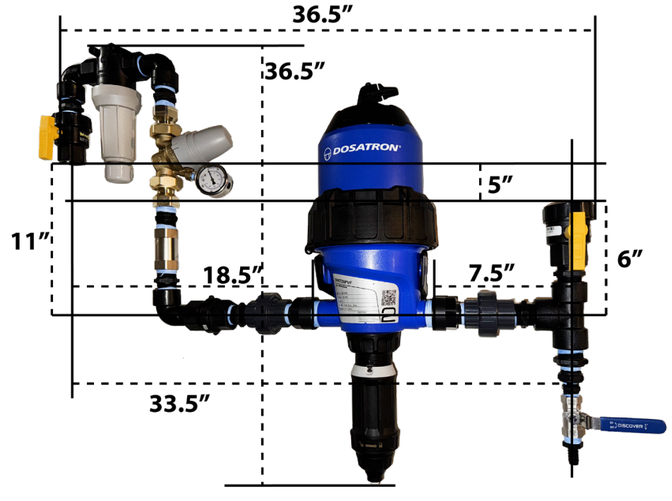
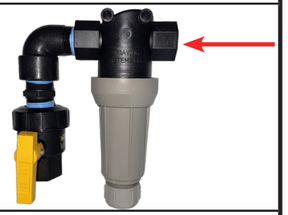
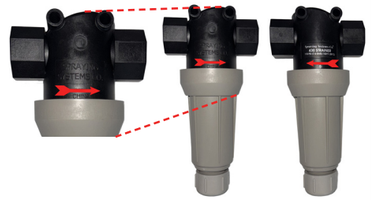
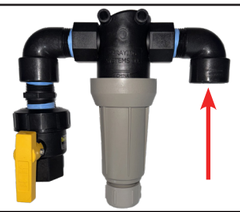
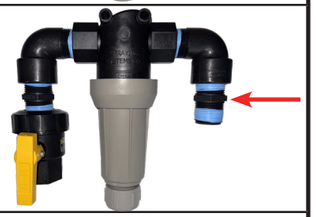
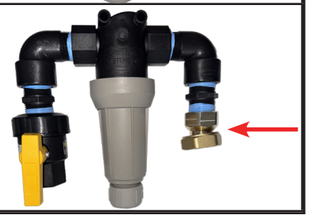
IPK100-26GPM Kit Contents

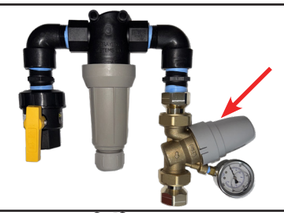
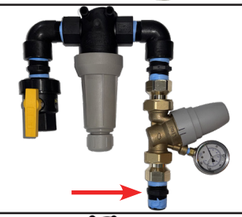
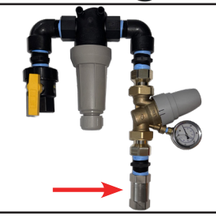
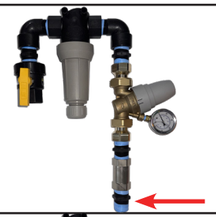
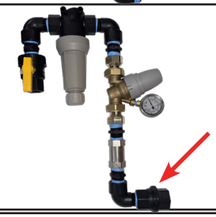
	2x	1" Union Ball Valve (Threaded)
	3x	1" M x F Threaded 90° Ell
	1x	1" Threaded Tee
	7x	1” Close Threaded Nipple
	2x	1" Sch. 80 Threaded Union
	2x	1¼" F x 1" M Threaded Adaptor (for Dosatron D6)
	1x	1" 200 Mesh T-Filter
	1x	1" Pressure Regulator w/ Gauge
	1x	1" 25 GPM Flow Restrictor
	1x	1" Check Valve
	1x	1" x ¾" Reducer Bushing
	1x	¾" x ½" Reducer Bushing
	1x	½" Close Threaded Nipple
	1x	½" Stainless Steel Threaded Ball Valve
	1x	½" MPT Barb Adaptor

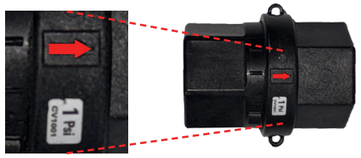
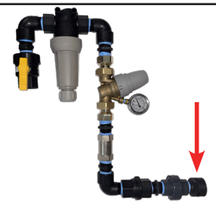
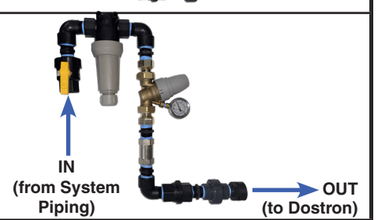
Installation Preparation

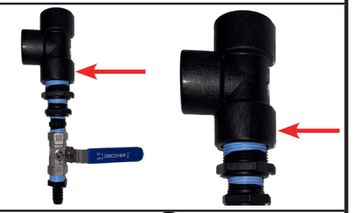
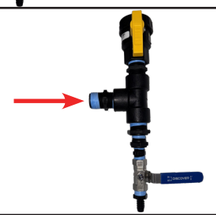
Step	Description	Image
0.1	**Apply teflon tape to ALL Male Pipe Thread (MPT) fittings with 3-5 wraps of the Blue Monster teflon tape provided.** **Perform this step on all male pipe threaded fittings included in the kit.**	
	TIP: *Hold the fitting in your left hand and roll the tape away from you around the threads from the side facing you (clockwise).* *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.*	
0.2	**Prepare the Dosatron unit by applying 3-5 wraps of teflon tape to the inlet and outlet threaded connections.**	

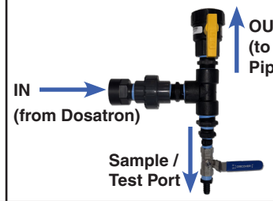
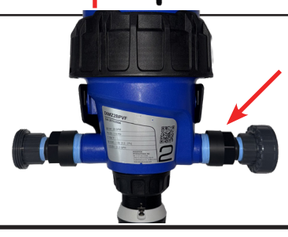


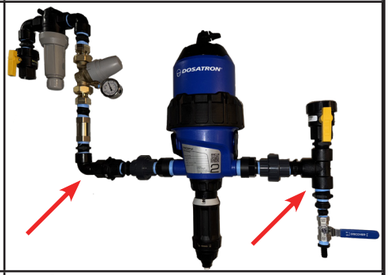
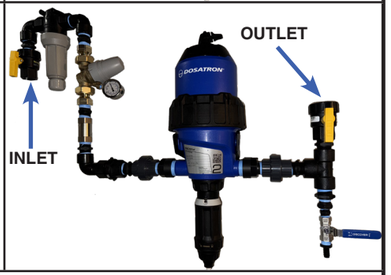
Step	Description	Image
1	Connect a 1" close threaded nipple to the union-end of a union ball valve. Tighten to hand-tight.	
2	Connect the female end of a 1" M x F 90° ell to the other end of the 1" close threaded nipple. Tighten to hand-tight.	
3	Connect the male end of the 1" M x F 90° ell to the INLET of the 1" T-filter. Tighten to hand-tight.	
3.a	NOTE - Flow direction though the T-filter is noted on the black plastic body of the filter.	
4	Connect the male end of another 1" M x F 90° ell to the OUTLET of the 1" T-filter. Tighten to hand-tight.	
5	Connect a 1" close threaded nipple to the female end of the 1" M x F 90° ell. Tighten to hand-tight.	
6	Connect the inlet union of the pressure regulator to the male end of the 1" close threaded nipple. Tighten to hand-tight.	

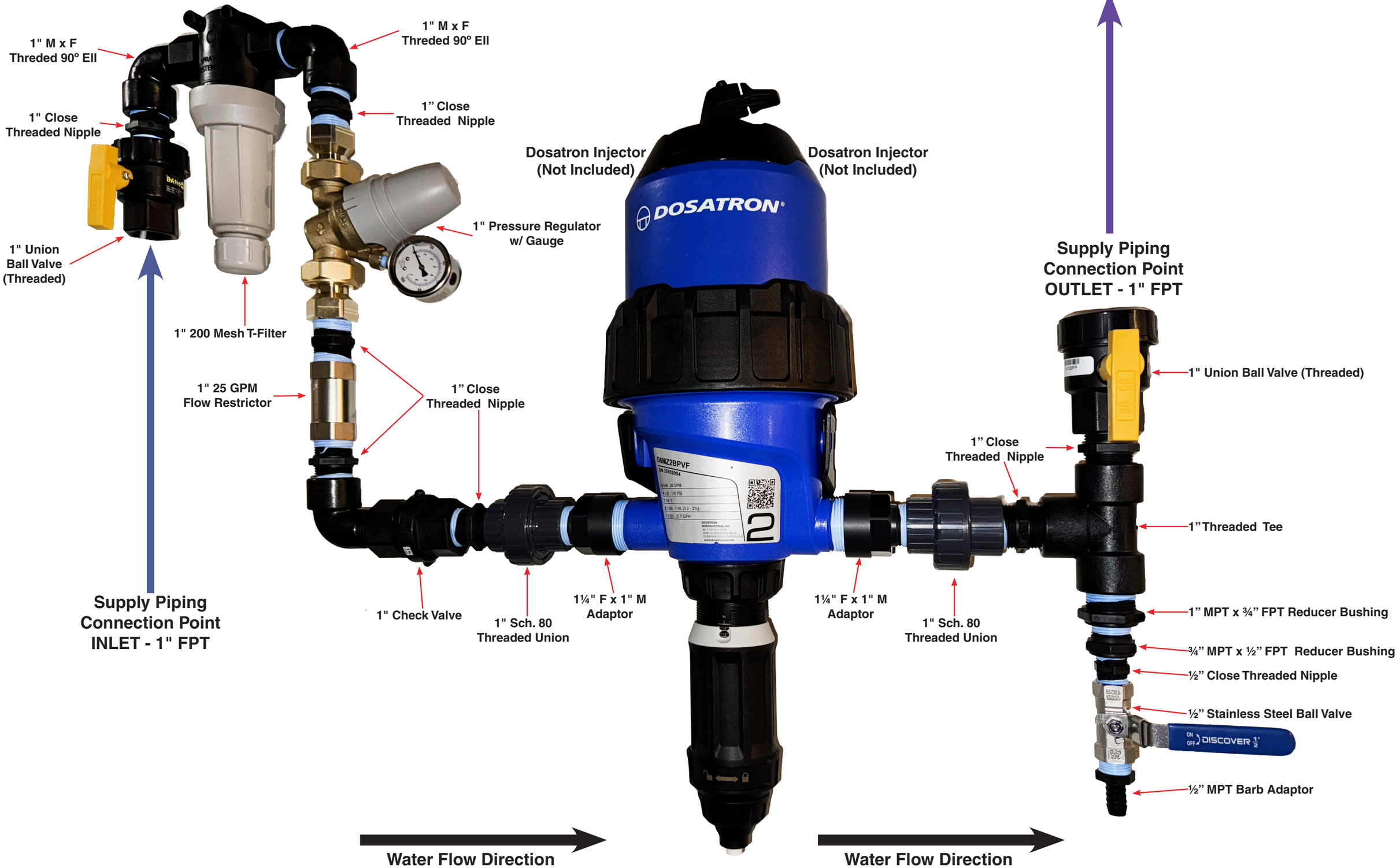
Step	Description	Image
7	Connect the inlet of the pressure regulator to the union. Tighten to hand-tight.	
8	Connect a 1" close threaded nipple to the outlet union of the pressure regulator. Tighten to hand-tight.	
9	Connect the INLET of the 25GPM flow regulator to the male end of the 1" close threaded nipple. Tighten to hand-tight.	
9.a	NOTE - Flow direction though the flow regulator is noted (engraved) on the stainless steel body of the flow regulator.	
10	Connect a 1" close threaded nipple to the OUTLET of the flow regulator. Tighten to hand-tight.	
11	Connect the female end of the remaining 1" MxF 90° ell to the other end of the 1" close threaded nipple. Tighten to hand-tight.	
12	Connect the INLET end of the check valve to the male end of the 1" M x F 90° ell. Tighten to hand-tight.	

Step	Description	Image
12.a	NOTE - Flow direction though the check valve is noted (engraved) on the black plastic body of the check valve.	
13	Connect a 1" close threaded nipple to the OUTLET of the check valve Tighten to hand-tight.	
14	Connect the threaded union to the male end of the 1" close threaded nipple. Tighten to hand-tight.	
15	Connect a 1¼" F x 1" M threaded adaptor to the female end of the threaded union. Tighten to hand-tight.	
16	This completes the assembly of the INLET side of the plumbing kit. Tighten all fittings 1-2 complete rotation(s), aligning fittings to their final orientation.	
17	Connect the ½" MPT Barb Adaptor to the ½" stainless steel threaded ball valve. Note valve handle orientation to ensure free movement. Tighten to hand-tight.	
18	Connect the ½" close threaded nipple to the opposite end of the ½" stainless steel threaded ball valve. Tighten to hand-tight.	

Step	Description	Image
19	Connect the ½" F x ¾" M reducer bushing to the ½" close threaded nipple. Tighten to hand-tight.	
20	Connect the ¾" F x 1" M reducer bushing to the ½" F x ¾" M reducer bushing. Tighten to hand-tight.	
21	Connect the 1" M end of the assembly to the 1" threaded tee as shown in the image. Tighten to hand-tight.	
22	Connect a 1" close threaded nipple to the end of the tee opposite the reducer bushing. (top) Tighten to hand-tight.	
23	Connect the remaining union ball valve to the 1" close threaded nipple. Note - the union end of the ball valve should be connected to your system/plant piping. Tighten to hand-tight.	
24	Connect a 1" close threaded nipple to the remaining branch of the tee (left) Tighten to hand-tight.	
25	Connect the threaded union to the male end of the 1" close threaded nipple. Tighten to hand-tight.	

Step	Description	Image
26	Connect a 1¼" F x 1" M threaded adaptor to the female end of the threaded union. Tighten to hand-tight.	
27	This completes the assembly of the OUTLET side of the plumbing kit. Tighten all fittings 1-2 complete rotation(s), aligning fittings to their final orientation.	
28	Disconnect the union and 1¼" F x 1" M threaded adaptor from the inlet side of the plumbing kit (at the union nut).	
29	Note the arrows on the Dosatron injector body inlet - these arrows indicate flow direction to ensure proper operation.	
30	Connect the 1¼" F x 1" M threaded adaptor end to the INLET of your Dosatron injector. Tighten hand-tight + 1-2 complete rotations.	
31	Disconnect the union and 1¼" F x 1" M threaded adaptor from the outlet side of the plumbing kit (at the union nut).	
32	Connect the 1¼" F x 1" M threaded adaptor end to the OUTLET of your Dosatron injector. Tighten hand-tight + 1-2 complete rotations.	

Step	Description	Image
33	Mount your Dosatron injector bracket on the wall or other surface in proximity to your system/plant piping. Mount the Dosatron injector on the bracket with the proper flow orientation for your system piping.	
34	Connect the inlet and outlet plumbing kits to the unions and adaptors connected to the Dosatron injector in steps 30 & 32.	
35	Connect the inlet and outlet to your system/plant piping using 1" Male NPT connections (not provided). Inlet & outlet connections are unionized to provide easy connection & disconnection from the system piping.	
36	The system can now be pressurized and checked for leaks. Tighten any connections that may leak, take care to not over-tighten any fittings.	
37	Connect the suction tubing to the suction port on the bottom of the Dosatron Injector and suction strainer to the end of the tubing. Place suction strainer into concentrated solution container.	
38	Set the injection rate on your Dosatron using the adjustment sleeve on the injection stem. Your Dosatron is now ready to use.	


1" M x F
Threded 90° Ell
1" Close
Threaded Nipple
1" Union
Ball Valve
(Threaded)
1" M x F
Threded 90° Ell
1" Close
Threaded Nipple
1" Pressure Regulator
w/ Gauge
1" 200 Mesh T-Filter
1" 25 GPM
Flow Restrictor
1" Close
Threaded Nipple
Supply Piping
Connection Point
INLET - 1" FPT
Dosatron Injector
(Not Included)
Dosatron Injector
(Not Included)
DOSATRON
D6MZ2BPVF
1" Check Valve
1" Sch. 80
Threaded Union
1¼" F x 1" M
Adaptor
Water Flow Direction
Supply Piping
Connection Point
OUTLET - 1" FPT
1" Union Ball Valve (Threaded)
1" Close
Threaded Nipple
1" Threaded Tee
1" MPT x ¾" FPT Reducer Bushing
¾" MPT x ½" FPT Reducer Bushing
½" Close Threaded Nipple
½" Stainless Steel Ball Valve
½" MPT Barb Adaptor
1¼" F x 1" M
Adaptor
1" Sch. 80
Threaded Union
Water Flow Direction

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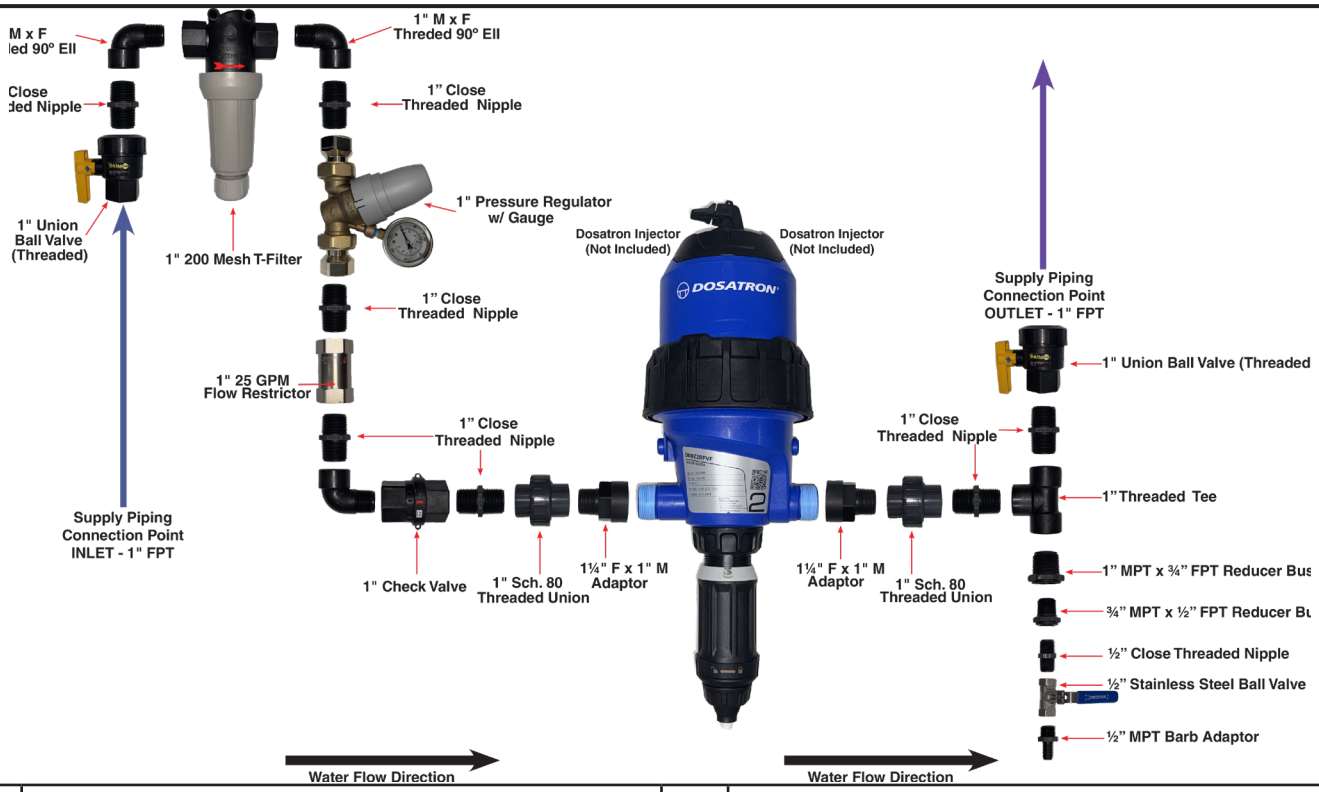
IPK100-26GPM

Quick Start Overview



2x	1" Union Ball Valve (Threaded)	1x	1" 25 GPM Flow Restrictor
3x	1" MxF Threaded 90° Ell	1x	1" Check Valve
1x	1" Threaded Tee	1x	1" x ¾" Reducer Bushing
7x	1" Close Threaded Nipple	1x	¾" x ½" Reducer Bushing
2x	1" Sch. 80 Threaded Union	1x	½" Close Threaded Nipple
2x	1¼" F x 1" M Threaded Adaptor (for Dosatron D6)	1x	½" Stainless Steel Threaded Ball Valve
1x	1" 200 Mesh T-Filter	1x	½" MPT Barb Adaptor
1x	1" Pressure Regulator w/ Gauge	2x	½" Teflon Tape Roll

QR CODE

SCAN QR CODE
FOR DETAILED INSTRUCTIONS AND ADDTIONAL INFORMATION

IPK100-26-INST-121525WB-2

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