MP Stake Written Specifications

**Part 1 – General**

* 1. The MP Stake is a temporary irrigation solution for use with either MP Rotator® nozzles or spray nozzles. Two models come preassembled with a 26" (66 cm) stake, 0.345" distribution tubing, ½" male-threaded connection, and nozzle adapter. A pressure-regulated model comes preassembled with a Hunter Check Valve and pressure-regulated shrub adapter.

**Part 2 – Parts and Material**

* 1. The Hunter MP Stake shall be available in the following options:
1. MP-STAKE
	1. 26" (66 cm) stake, 0.345" tubing to ½" male fitting, PROS-00 shrub adapter
2. MP-STAKE-PRS40-CV
	1. 26" (66 cm) stake, 0.345" tubing to ½" male fitting, Hunter Check Valve, PROS-00-PRS40 pressure-regulated shrub adapter
	2. Specification descriptions
3. -PRS40 = Pressure-regulated to 40 PSI (2.8 bar; 280 kPa), gray shrub body identifier
4. -CV = Factory-installed Hunter Check Valve
	1. Component descriptions
5. Stake description
	1. The stake and attached adapter shall be made of a black, UV-resistant polybutylene terephthalate and polycarbonate blend.
	2. The stake shall be 26" (66 cm) long and preassembled to an adapter for assembly to a nozzle shrub adapter.
6. Tubing description
	1. The supply tubing shall be made from a flexible, linear, low-density polyethylene.
	2. The supply tubing shall have a 0.345" inlet diameter.
	3. The supply tubing shall be 36" (91 cm) long.
7. Connection fitting description
	1. The supply tubing shall be compression fitted to a ½" male-threaded fitting for easy assembly into the lateral line.
	2. The fitting shall be made of a ½" male-threaded PVC base and an ABS top.
8. Nozzle shrub adapter description
	1. The standard MP-STAKE model shall include the black PROS-00 nozzle shrub adapter.
	2. The pressure-regulated MP-STAKE-PRS40-CV model shall include the gray PROS-00-PRS40 nozzle shrub adapter.
	3. MP Stake dimensions
9. MP-STAKE
	1. Total height = 28" (71 cm)
	2. Inlet = ½" male-threaded
10. MP-STAKE-PRS40-CV
	1. Total height = 34" (86 cm)
	2. Inlet = ½" male-threaded
	3. Warranty
11. MP Stake models shall have a warranty period of two years.

**Part 3 – Function and Operation**

1. Operating pressure
2. The MP Stake shall operate from 30 to 70 PSI (2.1 to 4.8 bar; 210 to 480 kPa).
3. Reference the pressure loss charts at hunterindustries.com for the most updated pressure loss performance data.
	1. Pressure regulation
4. When PRS40 is specified, the staking kit shall include a preassembled, pressure-regulating shrub adapter as an integral part of the kit.
5. The PRS40 model will provide optimal distribution uniformity of the MP Rotator by maintaining a constant outlet pressure of 40 PSI (2.8 bar; 280 kPa) when inlet pressures are greater than 10 PSI (0.7 bar; 70 kPa) just below the pressure regulator.
	1. Drain check valve
6. For the standard MP-STAKE model, no drain check valve shall be included in the staking kit.
7. For the pressure-regulated MP-STAKE-PRS40-CV model, the staking kit shall come preassembled with the Hunter Check Valve.
8. The Hunter Check Valve has a preset check height of 12' (3.7 m) and adjustability up to 32' (9.8 m) of check height using a flat-head screwdriver from the top of the check valve.

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