



## Product Specifications

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### **PRO-S Sprays Pressure Regulator PR40 / Professional Series Spray Sprinklers**

Model # 78004-PR40, 78004-CV-PR40, 78006-PR40,  
78006-CV-PR40, 78012-PR40, 78012-CV-PR40

The pressure regulating sprinkler shall be a fixed-spray type capable of covering a \_\_\_\_\_ foot (m) radius with a flow rate of \_\_\_\_\_ PSI (bars/kPa) with a full circle discharge rate of \_\_\_\_\_ GPM (mm/hr; l/m). The sprinkler body shall be available with a 4-inch (10.1 cm), 6-inch (15.2 cm) or 12-inch (30.5 cm) pop-up stroke, depending on the body specified, to bring the nozzle into a clean environment. When specified, the sprinkler shall be supplied with an adjustable 25°-360° pattern with a 1/2-inch (1.3 cm) Female National Pipe Thread (FNPT) inlet. When specified, the sprinkler shall be supplied with a fixed arc female thread nozzle in 360°, 270°, 180°, and 90° patterns in 8-foot (2.4-meter), 10-foot (3.0-meter), 12-foot (3.7-meter), and 15-foot (4.6-meter) radius. When specified, the unit shall be supplied with a center strip 4 x 24 foot (1.2 x 7.3 m), end strip 4 x 12 foot (1.2 x 3.65 m), side strip 4 x 28 foot (1.2 x 8.5 m), and high/low H4 x L4 x 28 foot (H4.2 x L1.2 x 8.5 m) female threaded nozzle. The 6-inch (15 cm) and 12-inch (30 cm) sprinklers shall be equipped with a 1/2-inch FNPT side inlet.

The pressure-regulating device shall increase water droplet size to prevent fogging and misting of the nozzle spray pattern by maintaining a constant nozzle outlet pressure of 40 PSI (2.8bar) with an inlet pressure of up to 100 PSI (6.9 bar), regardless of the nozzle installed. A tool shall be supplied for radius reduction of the spray nozzle (fixed and adjustable) by up to 25%. Nozzles shall be provided with large-area, fine mesh-weave filters. Arc adjustment shall be set by use of the multi-function tool inserted into the slot on the top cover of the spray. The arc coverage shall be increased or decreased in accordance with the top arrow marking by rotation of the tool.

The sprinkler shall have a stainless-steel retraction spring for positive retraction of the riser in all soil conditions when irrigation is complete.

The sprinkler shall have a pressure activated, multi-functional, UV stable wiper seal that positively seals the sprinkler cap against the pop-up stem to reduce leaks caused by trapped debris under the wiper seal, even under low pressure conditions. The seal shall be molded around a ridged plastic ring to prevent damage to the seal. The seal shall be removable from the cap for easy service and shall be replaced.

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The sprinkler shall have a blue-colored, factory-installed, removable flush cap with a pull-up tab that shall prevent debris from entering the sprinkler during installation. The removable flush cap shall allow the sprinkler system to be flushed in one direction before installing the nozzle. The flush cap shall open as the stem extends and completely closes when the stem is in the retracted position in all types of soil.

The 4-inch (10 cm) pop-up spray shall have an exposed surface diameter after installation of \_\_\_\_\_ inches (cm) and have an overall height of \_\_\_\_\_ inches (cm). The 6-inch (15 cm) pop-up spray shall have an exposed surface diameter after installation of \_\_\_\_\_ inches (cm) and have an overall height of \_\_\_\_\_ inches (cm). The 12-inch (30 cm) pop-up spray shall have an exposed surface diameter after installation of \_\_\_\_\_ inches (cm) and have an overall height of \_\_\_\_\_ inches (cm).

The body and riser of the sprinkler shall be constructed of corrosion resistant, impact resistant, heavy-duty ABS. The sprinkler shall be serviceable after installation by unscrewing the body cap, removing the riser assembly, and extracting the inlet filter screen. The inlet filter basket shall protect the drive from clogging and shall be removed for cleaning and flushing the system. The sprinkler shall include a universal plastic adjustment tool.

When specified, the sprinkler shall have the option of a factory-installed or field installed drain check valve (78004-CV-PR, 78006-CV-PR, 78012-CV-PR) capable of checking up to 10 feet (3 m) in elevation. When specified as factory-installed, the sprinkler shall have the letters "CV" printed in white lettering on the sprinkler body cap for field identification. The sprinkler shall have the option of a black cover for the top of the sprinkler head and nozzle (78004-GUARD-PR, 78006-GUARD-PR, 78012-GUARD-PR) to provide additional protection to the spray head. When specified, the sprinkler shall have a molded purple twist cap made of UV resistant, high impact ABS to indicate the use of non-portable water (78004-PR-RCW, 78006-PR-RCW, 78012-PR-RCW).

The sprinkler shall carry a five-year trade, exchange warranty.

The sprinkler shall be manufactured by K-Rain Manufacturing Corporation of Riviera Beach, Florida.