

Plasma cutting application: **Sprinkler system installation**

Specific plasma use

Sprinkler system fabrication

Pipes of various sizes, 1" to 10" in diameter, are cut to required lengths using either a hand torch or machine torch on a pipe cutting machine or portable clamp on style machine. Bevel, saddle, straight and miter cuts are easily made on a variety of pipe thicknesses.

Systems: Powermax600®, 1000 or 1250

Sprinkler system alteration

To install new branches a template is clamped to the side of an existing pipe then the hole is cut to the required size by following the template.

Systems: Powermax600, 1000 or 1250

Hanging bracket fabrication

Angle iron, typically 1/8" (3 mm) thick, is cut and formed into the correct shape for pipe support.

Threaded rods are also cut to hold the brackets at the correct suspension height.

Systems: Powermax30 or 600

Existing sprinkler removal

Sections of existing sprinkler systems are sometimes removed to install a new system for proper water coverage. Pipes and hanging brackets are cut or the welds securing them from the ceiling are gouged out.

Systems: Powermax600 or 1000



Sprinkler System Installation

Specific benefits of Powermax systems

- Superior speed of plasma cutting results in shorter cut times and greater productivity over conventional processes such as oxyfuel and saws.
- High cut quality reduces or eliminates secondary operations such as grinding.
- Ease of installing machine torches on a pipe beveling and cutting machines.
- Piercing capabilities for ease of starting interior cuts.
- Hypertherm's drag-cutting technology makes it easy to follow a line or template.
- Gouging process offers ease of removing existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of cutting at various locations.
- The controlled arc and high cutting speeds reduce heat-affected zone and metal distortion.



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