



Plasma cutting application

Sprinkler system installation

Examples of plasma uses

Sprinkler system fabrication

Pipes of various sizes, 25 mm to 254 mm (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: Powermax45, 65 or 85

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: Powermax30 XP, 45, 65 or 85

Hanging bracket fabrication

Angle iron, typically 3 mm (1/8") 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 XP or 45

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: Powermax30 XP, 45 or 65

Key advantages of Powermax® systems

- Superior speed of plasma cutting results in shorter cut times and greater productivity over processes such as oxyfuel or saws.
- Easy to set up and operate.
- Piercing capability makes starting interior cuts easy.
- High cut quality reduces or eliminates secondary operations, such as grinding.
- Drag-cutting technology makes it easy to follow a line or template.
- Gouging process efficiently removes existing welds with reduced noise and smoke over conventional methods.
- System portability offers ease of use at various locations.
- Controlled arc and high cutting speeds reduce heat-affected zone and warping.
- Cut a variety of ferrous and non-ferrous metals including mild steel, stainless and aluminum – painted or rusted.
- Pilot arc control feature enables uninterrupted cutting on expanded metal.
- Machine torches are available for use on pipe beveling and cutting machines.

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