

JCM INDUSTRIES

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Typical Specification

JCM 407 Wide Body Service Saddle with Electro Galvanized Strap

Service Saddles for pipe sizes 2" through 12" shall have a wrap around design with a ductile iron body, fusion plastic coated. The coating thickness shall be a minimum of 12 mils with a dielectric strength of over 12,000 volts. The gasket shall be a broad pressure activated design, molded of virgin rubber and bonded into a cavity in the saddle body, which provides internal as well as external gasket retention.

The strap shall be corrosion resistant, forged AISI C-1018 steel, zinc plated with dichromate seal.

Service saddles shall be JCM 407 or approved equal.

JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings. Meets Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61 and Standard 61 Annex G Certified.



This typical specification, provided by JCM Industries, is a proposed guideline for use by specifying agencies to ensure significant design and material features of this product are included within the agencies' individual specifications.

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Material Specification

JCM 407 Wide Body Service Saddle with Electro Galvanized Strap

JCM Service Saddles are constructed of ductile iron with shop primer coating and have corrosion resistant strap. These saddles meet or exceed ANSI/AWWA C-800 Standards for service line fittings.

Body Casting: Wrap around design of Ductile Iron, ASTM A-536 annealed to 60-40-18. Body has a gasket cavity, which provides internal as well as external gasket retention.

Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40°F to 212°F (-40°C – 100°C) Gasket suitable for water, salt solutions, mild acids, bases, and sewage. Optional EPDM gasket available.

Straps: Nominal sizes 2" through 12" have corrosion resistant, forged AISI C-1018 steel strap, zinc plated with dichromate seal.

Coating: Casting is coated with fusion bonded high density blue plastic, 12 mils minimum thickness, with a dielectric strength of over 12,000 volts. Water absorption less than .20% (less than nylon) prevents undercutting and blistering.

Pressure Rating: Working pressure is 250 PSI hydrostatic. Contact factory if higher working pressure is required.

Sizes: See Catalog.

Standards: JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61 and Standard 61 Annex G Certified.

JCM Industries endorses observance of Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe and endorses the recommendations they make for tapping PVC Pipe. Service Fittings are available to adhere to those recommendations.

Information provided base on current data available. Contact JCM Industries Technical Services for modifications or changes.



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