



FIRE SUPPRESSION SPRINKLER SYSTEMS

Product Installation Instructions Black Steel Piping Schedule 10, 30 and 40

1.1 SUMMARY

A. Certified Products:

- Schedule 10: 4.500" X 0.120" ASTM A135/A795 Grade A or B, Type E
6.625" X 0.134" ASTM A135/A795 Grade A or B, Type E
8.625" X 0.188" ASTM A135/A795 Grade A or B, Type E
- Schedule 30: 8.625" X 0.277" ASTM A135/A795 Grade A or B, Type E
- Schedule 40: 4.500" X 0.237" ASTM A135/A795 Grade A or B, Type E
6.625" X 0.280" ASTM A135/A795 Grade A or B, Type E
8.625" X 0.322" ASTM A135/A795 Grade A or B, Type E

B. Product Applications:

- Wet-Pipe Sprinkler Systems
- Dry-Pipe Sprinkler Systems
- Preaction-Pipe Sprinkler Systems
- Deluge-Pipe Sprinkler Systems

1.2 REFERENCES

- A. UL 852 – Standard for Metallic Sprinkler Pipe for Fire Protection Systems
- B. FM 1630 – Approval Standard for Steel Pipe for Automatic Fire Sprinkler Systems
- C. ASME B36.10M – Welded and Seamless Wrought Steel Pipe
- D. ASTM A53 – Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- E. ASTM A135 – Standard Specification for Electric-Resistance-Welded Steel Pipe
- F. ASTM A795 – Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use
- G. ASTM A733 – Standard Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel pipe Nipples.
- H. ASTM A865 – Standard Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints.
- I. AWWA C606 – Grooved and Shouldered Joints
- J. NFPA 13 – Standard for the Installation of Sprinkler Systems

1.3 STORAGE

- A. If possible, store the pipe indoors to prevent possible discoloration, the accumulation of dirt and to extend the life of the product. However, if pipe is stored outdoors, it should be stored in such a way as to allow air circulation (do not cover directly with plastic) and to allow water drain-off.



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1.4 Schedule 10, 30 and 40 Sprinkler Pipe

- A. Pipe shall be black steel pipe.
- B. Pipe shall be manufactured to meet the requirements of ASTM A53, A135, A795 and NFPA 13.
- C. Pipe shall be listed to UL 852 and FM 1630.
- D. Pipe shall be labeled or marked showing evidence of third-party listing to product standard.

1.5 Pipe Ends:

- A. Unthreaded ends intended to be joined by welding or by listed rubber gasketed fittings.

1.6 INSTALLATION

- A. Schedule 10, 30 and 40 pipe shall be installed in compliance with the latest version of NFPA 13 and any other relevant authority having jurisdiction's requirements.
- B. Use only listed fittings to make changes in direction, branch takeoffs from mains and reduction in pipe sizes.
- C. For proper operation, all pipe surfaces should be cleaned prior to installation. In order to provide a leak-tight seat for the gasket, pipe surfaces should be free from indentations and projections from the end of the pipe to the groove. All loose paint, scale, dirt, chips, grease, and rust must be removed prior to installation. Failure to take these important steps may result in improper coupling assembly, causing leakage.
- D. Paragon does not provide engineering services, system design or installation services. Paragon bears no liability for any portion of the system design or installation.
- E. Paragon does not apply MIC coatings at this time. Because CPVC products are made with base resins having different molecular weights and varying chlorine contents and compound additives, Paragon cannot warrant its products to be chemically compatible with CPVC in any case.
- F. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses, and that purchasers assume all risks and liability for their results of use the products, including use in accordance with seller's recommendation. Any warranty, whether expressed or implied, of merchantability or of fitness for any purpose whatsoever is hereby excluded. Products will meet seller's standard specifications therefore, seller's liability in respect thereof or in connection therewith shall only be as will be set forth in seller's current general terms and conditions for the manufacture and sale of goods.