

Dyna-Flow®

High Strength Steel Pipe

- Exceptional hydraulics
- Lightweight and easy to install
- Available factory roll grooved
- ABFII coated ID
- UL and cUL listed
- FM approved

➤ **The original high-strength light wall sprinkler pipe with superior hydraulics.**

Dyna-Flow® is the “original” high-strength light wall sprinkler pipe. With outstanding hydraulic capabilities, Dyna-Flow is recognized as the most popular alternative to Schedule-10 pipe. Lightweight and easy to cut, Dyna-Flow is a valuable addition to any fire protection system.

With an inside diameter (ID) up to 11% larger than Schedule-40 and up to 7% larger than Schedule -10, Dyna-Flow pipe hydraulics are exceptional. Larger ID’s enable Dyna-Flow and related components to be down-sized within the system, increasing the potential for job cost savings. For complete Hazen Williams charts, refer to “Dyna-Flow Hydraulic Data Tables”.

Dyna-Flow pipe has metallurgical properties that provide excellent fabrication characteristics for end prep finishes, welding and roll grooving. There are no special processes or equipment needed for fabrication and installation.

Dyna-Flow Specifications				
NPS	Nominal I.D.	Wt.	Wt. (H2O Filled)	CRR
In; mm	In; mm	Lbs/Ft; kg/m	Lbs/Ft; kg/m	Unthreaded
1"	1.191	0.830	1.31	2.41
25	30.3	1.2	1.95	–
1¼"	1.536	1.059	1.87	1.55
32	39.0	1.6	2.78	–
1½"	1.728	1.667	2.71	3.44
40	43.9	2.5	4.03	–
2"	2.203	2.104	3.79	2.78
50	56.0	3.1	5.64	–
2½"	2.703	2.564	5.10	1.60
65	68.7	3.8	7.59	–
3"	3.314	3.387	7.18	1.48
75	84.2	5.0	10.69	–
4"	4.310	4.473	10.86	1.00
100	109.5	6.7	16.16	–



➤ **Superior Coating**

Dyna-Flow products are coated with an environmentally approved and specially formulated modified-acrylic or water-based coating. This durable coating is paintable and acts as an excellent primer while resisting weather and UV degradation from outdoor storage.

The internal surface of all black Allied Tube & Conduit Fire Sprinkler pipe products up to 4.500" in diameter is coated with our new Antibacterial Formula, “ABFII”. In scientific laboratory tests, ABFII proved to have superior resistance to microbial colonization of pipe walls, thereby inhibiting or possibly preventing the onset of Microbiologically Influenced Corrosion (MIC) upon installation and the first 25 flushes of the fire sprinkler system.*

➤ **American Made**

Able to meet “Buy American” requirements, and is available through distributors in the USA, Canada, Mexico and Latin America.

➤ **Specifications & Approvals**

Dyna-Flow pipe is manufactured to meet ASTM A-795 Type E, Grade A and is in compliance with NFPA-13 and NFPA-14. All sizes of Dyna-Flow are UL and cUL listed and FM approved.

Dyna-Flow is UL and cUL listed for use with roll grooved, plain-end and welded joints for wet, dry, pre-action and deluge systems. It is FM approved for roll grooved, plain end and welded joints for wet systems. Dyna-Flow is available “hot-dip” galvanized** and has been specifically approved by FM for dry system uses. Dyna-Flow complies with NFPA 13 and is rated at 300 psi working pressure.

* See ABFII warranty

** must be ordered in 10 bundle increments



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