

# Dyna-Flow<sup>®</sup>

## Submittal Data Sheet

### High Strength Steel Pipe

Dyna-Flow<sup>®</sup> pipe is the “original” high-strength lightwall sprinkler pipe. Dyna-Flow has outstanding hydraulic capabilities and is recognized as the most popular alternative to Schedule-10 pipe. Lightweight, easy to cut and easy to handle for installation. Dyna-Flow is a valuable addition to any fire protection system.

**Additional Benefits** Lightweight and easy to install, resulting in more efficient use of your freight and labor dollars. Provides stability needed to comply with standard hanger spacing (15 ft O.C.) per NFPA. Available in standard lengths for your convenience, or can be ordered in custom lengths upon approval. Fast cutting and welding, as well as easy roll grooving and end preparation. Available in Factory roll grooved form for quicker shop turnaround. Clean, durable mill coating provides longer “shelf life” and acts as an excellent primer for custom paint applications.

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

**Coatings & Fabrication** Dyna-Flow products are coated with an environmentally approved and specially formulated modified-acrylic or water-based coating. This durable, exterior black coating is paintable and acts as an excellent primer that is resistant to weathering and U.V. degradation from outdoor storage. Metallurgical properties provide excellent fabrication characteristics for end prep finishes, welding and roll grooving. No special process or equipment is needed for fabrication and installation.

The internal surface of all black Fire Sprinkler pipe up to 4.5000” in diameter shall be coated with Allied Tube & Conduit Antibacterial Formula “ABF”.

**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 are in compliance with NFPA-13 and NFPA-14. All sizes of Dyna Flow are UL Listed, FM Approved and ULC Listed.

Dyna-Flow is UL/ULC Listed for use with roll grooved, plain-end couplings, and welded joints for wet, dry, pre-action and deluge systems. It is FM Approved for roll grooved, plain-ended, and welded joints for wet systems. Refer to appropriate documentation for up-to-date listing and approval information. Dyna-Flow is now available “hot-dip” galvanized\* and has been specifically approved by FM for dry systems uses.

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	–



\* Must be ordered in 10 bundle increments.

Project:	Sprinkler Contractor:	Date:
Engineer:	Specification Reference:	System Type:
Locations:	Comments:	



Customer Service (800) 882-5543 Fax: (800) 659-7730

• 16100 S Lathrop Ave.  
Harvey, IL 60426

• 11350 Norcom Rd.  
Philadelphia, PA 19154

• 2525 N 27th Ave.  
Phoenix, AZ 85009

• 600 Dean Sievers Place  
Morrisville, PA 19067

www.alliedtube-sprinkler.com