



**DYNA-FLOW®**

# Dyna-Flow®

## High Strength Steel Pipe

**The original high-strength lightwall sprinkler pipe with hydraulics superior to Schedule-10.**

Dyna-Flow 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.

### 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.”

Specifications							
NPS	Nominal I.D.	Wt.	Wt. (H2O Filled)	Pcs/	Wt/Lift (21')	Wt/Lift (24')	Wt/Lift (25')
In; mm	In; mm	Lbs/Ft; Kg/m	Lbs/Ft; Kg/m	Lift	Lbs; Kg	Lbs; Kg	Lbs; Kg
1"	1.191	0.830	1.31	91	1,586	1,812	1,888
25	30.3	1.2	1.95	91	719	822	856
1¼"	1.536	1.059	1.87	61	1,356	1,550	1,615
32	39.0	1.6	2.78	61	615	703	733
1½"	1.728	1.667	2.71	61	2,135	2,440	2,542
40	43.9	2.5	4.03	61	968	1107	1153
2"	2.203	2.104	3.79	37	1,634	1,868	1,946
50	56.0	3.1	5.64	37	741	847	883
2½"	2.703	2.564	5.10	30	1,615	1,846	1,923
65	68.7	3.8	7.59	30	733	837	872
3"	3.314	3.387	7.18	19	1,351	1,544	1,608
80	84.2	5.0	10.69	19	613	700	729
4"	4.310	4.473	10.86	19	1,784	2,039	2,124
90	109.5	6.7	16.16	19	809	925	963

### Coatings & Fabrication

Dyna-Flow products are coated with an environmentally approved and specially formulated modified-acrylic or water-based coating. This durable coating is paintable. The black coating acts as an excellent primer and 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. There is no special process or equipment needed for fabrication and installation.

The internal surface of all black Allied Tube & Conduit Fire Sprinkler pipe products up to 4.5000" in diameter is coated with our new Antibacterial Formula, “ABF”. In scientific laboratory test, ABS proved to have superior resistance to microbial colonization of pipe walls, thereby delaying or possibly preventing the onset of Microbiologically Influenced corrosion (MIC) when the First Sprinkler System is first installed.

### Specifications & Approvals

Dyna-Flow/Super Flo 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/Super Flo are UL Listed, FM Approved and ULC Listed.



Listed



Approved



Listed

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

### 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.

**tyco**

a vital part of your world

**allied**  
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