

## DIAMETERS

-  1.00in/25mm
-  1.50in/38mm
-  1.75in/44mm
-  2.00in/51mm
-  2.50in/64mm
-  3.00in/76mm

# HYDRATAK<sup>600</sup>™

Designed as a flexible, primary attack, rubber fire hose for municipal firefighting

- » Available with Mertex Wayout® couplings when specified
- » Available colors: As indicated
- » Maintenance free so it can just be wiped down and returned to service
- » Constructed from specially formulated synthetic nitrile rubber to produce excellent abrasion resistance
- » Highly resistant to fuels, chemicals, oils, heat and environmental pollutants and is impervious to molds, mildew and other airborne organisms

orange	1.75in/45mm
red	All sizes
blue	1.75in/45mm
green	1.75in/45mm
yellow	All sizes

† Colors only available in sizes as indicated

Trade Size		Bowl Size		Weight UN-COUPLED (50' / 15.2m)		COIL DIAMETER (50' / 15.2m)		Service Pressure		Proof Pressure		Burst Pressure	
In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
1	25	1 3/16	30	9.3	4.2	16.0	40.6	300	2 070	600	4 140	900	6 200
1 1/2	38	1 3/4	45	14.5	6.6	16.0	40.6	300	2 070	600	4 140	900	6 200
1 3/4	45	2	51	17.0	7.7	16.5	41.9	300	2 070	600	4 140	900	6 200
2	51	2 3/16	56	18.3	8.3	17.0	43.2	300	2 070	600	4 140	900	6 200
2 1/2	64	2 3/4	70	24.0	10.9	17.5	44.5	300	2 070	600	4 140	900	6 200
3	76	3 5/16	84	29.0	13.2	18.0	45.7	300	2 070	600	4 140	900	6 200

### PRESSURE LOSS AT NOZZLE (100' / 30.5m)

In.	mm	60 gpm	80 gpm	100 gpm	200 gpm	300 gpm	400 gpm	500 gpm	600 gpm	700 gpm	800 gpm	900 gpm
1	25	30.0	58.0	110.0								
1 1/2	38	7.2	13.1	21.0								
1 3/4	45	3.5	6.1	9.6	40.0							
2	51	1.4	2.4	3.9	16.0	35.0						
2 1/2	64			1.1	4.7	11.8	20.0	33.2				
3	76				1.7	4.6	8.1	12.7	18.3	24.7	32.5	42.0



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# HOW TO SPECIFY

## HYDRATAK<sup>600</sup>™

**THE HOSE SHALL BE SYNTHETIC RUBBER HOSE WITH MINIMUM SERVICE TEST PRESSURES AS DETAILED IN THE TABLE ON THE PREVIOUS PAGE**

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### **HOSE CONSTRUCTION**

Hose shall be constructed of top quality synthetic yarns woven into an optimized web and then encased in a matrix of scientifically designed nitrile rubber. The resultant hose shall have excellent strength, low temperature flexibility, abrasion, oil and chemical resistance and low friction loss.

### **WARRANTY**

Hose assemblies, as supplied, shall have a five (5) year warranty against defects in materials and workmanship. Returns under this warranty shall be controlled by an RGO # system. Repair or replacement of hose is at the sole discretion of the Manufacturer.

### **HOSE PHYSICAL PROPERTIES**

Hose shall exceed all of the requirements of the latest NFPA 1961 Standard for Rubber Municipal Attack hoses. Underwriters Laboratories listing shall be available where applicable. Hose shall be flexible down to -35° F (-36° C) and be resistant to environmental pollutants. Hose shall be Ozone Resistant. Hose shall be Abrasion Resistant. When tested using the procedure listed in ASTM D2215, the hose reinforcement shall not show signs of damage after 15,000 cycles. Hose shall resist water absorption. When tested using the procedure listed in MIL STD 24606, water absorption shall be less than 1.0 lbs (0.45 Kg) per 100 feet (30.5 M).

### **WEIGHT, FLOW CHARACTERISTICS, SERVICE, TEST AND BURST PRESSURES**

These shall be as detailed in the table on the previous page

### **COUPLING SPECIFICATION**

The female coupling shall have at least 3 reflective arrows (2 reflective arrows on 1.0" / 25mm size), in order to be visible from any position. The reflective arrows must be engraved into and below the surface of the coupling, to resist abrasion. The arrows must point in the direction of the water source for a standard hose connection.