Dry Barrel Hydrants

Hydrants are aboveground extensions of underground water mains, equipped with valves and/or connections for attaching fire hose. On FM Approved models, the pressure containing parts are usually made of cast iron or ductile iron. The valve seat, valve guide and other important working parts are usually made of bronze. A weather cap on the operating stem nut prevents the accumulation of ice, which would cause the hydrant to bind. Hose nipples are threaded, leaded and pinned, or twist-locked and set-screwed into the hydrant upper body.

The valve is opened or closed by a 15 in. (380 mm) long wrench fitted onto the operating stem nut. To prevent freezing, any water in the hydrant barrel drains out at the bottom through a small valve which opens simultaneously as the hydrant is shut down after use.

The name of the manufacturer and the year of manufacture are cast on the barrel, as well as the working pressure and the depth of bury line. On the bonnet, an arrow and the word "open" show the direction for opening the hydrant. The counterclockwise direction to open is required. Hydrants with pumper connections are not recommended for installation within plant yards.

Plans for installation of hydrants should be forwarded to your insurance company for review prior to installation. In particular, plans should be submitted if the hose and/or outlet connections are different from those listed below.

FM Approved hydrants can usually be obtained with standardized mechanical joint inlet or flanged inlet connections. Other types of inlet connection are mentioned in the specific manufacturer's listings. Hydrants should be anchored in accordance with FM Global Property Loss Prevention Data Sheet 3-10 or equal.

Standard outlets are for 2 1/2 in. (64 mm) hose size. Hydrants can be obtained with independent hose gate valves. Hydrant sizes shown are the inside diameter of the main hydrant valve. Unless otherwise noted in the listing, the hydrants have 175 psi (1205 kPa) rated working pressure.

Some hydrants, referred to as traffic types, have intentional sections of weakness near the ground line which fracture readily when struck with sufficient force by a moving motor vehicle. They are used to minimize damage to the main hydrant valve and simplify repairs.

Unless otherwise specified, the standard FM Approved hydrant inlet connection is 6 in. NPS.

Models NDBH-M1, NDBH-M2, NDBH-F1 and NDBH-F2

Model	*Size, inch (mm)*	*Hose Outlets, inch (mm)*	*Pumper Connection, inch (mm)*	*Rated Working Pressure, psi (kPa)*	*Remarks*
NDBH-M1, Traffic Type	6 (152)	Two - 2 ½ (64)	4 (102)	250 (1725)	a
NDBH-M2, Traffic Type	6 (152)	Two - 2 ½ (64)	4 ½ (114)	250 (1725)	a
NDBH-F1, Traffic Type	6 (152)	Two - 2 ½ (64)	4 (102)	250 (1725)	b
NDBH-F2, Traffic Type	6 (152)	Two - 2 ½ (64)	4 ½ (114)	250 (1725)	b

Remarks:
a) Available with a ANSI/AWWA C111/A21.11 Mechanical Joint Inlet Connection
b) Available with a ASME B16.5 Class 150 Flanged Joint Inlet Connection

Company Name:	NIBCO Inc
Company Address:	1516 Middlebury St, Elkhart, Indiana 46516, USA
Company Website:	http://nibco.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved

PRODESEG S.A. DISTRIBUIDOR AUTORIZADO
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Class of Work:	1510-Hydrants(Dry Brl Ty), Pvt FS

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