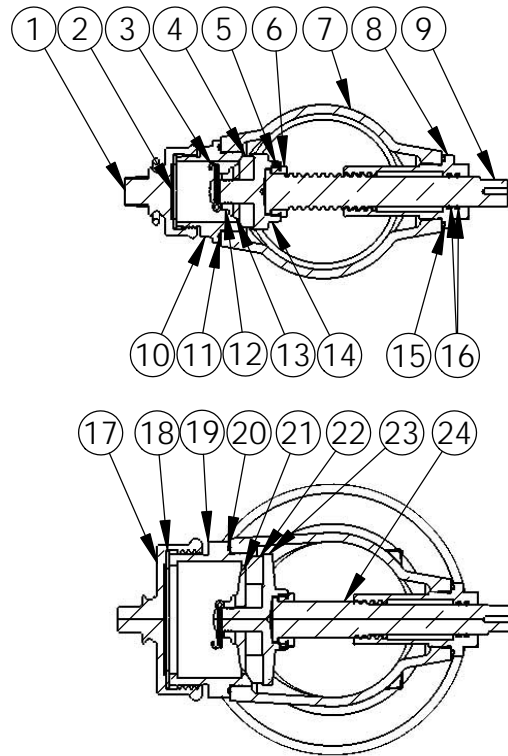
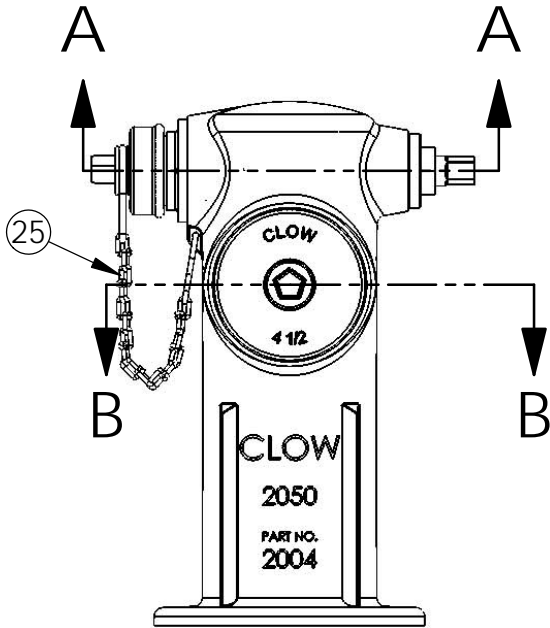


2000 SERIES WET BARREL HYDRANT
MATERIAL LIST

CLOW VALVE COMPANY

MODELS 2010, 2050, 2060, & 2065



ITEM NO.	DESCRIPTION	MATERIAL
1	Cap - Hose	Cast Iron
2	Gasket - Hose	Rubber
3	Cotter Pin	Copper Alloy
4	Valve Rubber - Hose	Rubber
5	Set Screw	Stainless Steel
6	Stem Nut	Copper Alloy
7	Body	Copper Alloy
8	Stem Sleeve	Copper Alloy
9	Stem - Hose	Copper Alloy
10	Nozzle - Hose	Copper Alloy
11	Hose Outlet O-Ring	Rubber
12	Slotted Nut	Copper Alloy
13	Retainer - Hose	Copper Alloy
14	Carrier - Hose	Copper Alloy
15	Stem Sleeve O-Ring	Rubber
16	Stem Sleeve O-Ring - Internal	Rubber
17	Cap - Pumper	Cast Iron
18	Gasket - Pumper	Rubber
19	Nozzle - Pumper	Copper Alloy
20	Pumper Outlet O-Ring	Rubber
21	Retainer - Pumper	Copper Alloy
22	Valver Rubber - Pumper	Rubber
23	Carrier - Pumper	Copper Alloy
24	Stem - Pumper	Copper Alloy
25	Chain Assembly	Steel

F2000 SERIES
WET BARREL HYDRANT
BRONZE

CLOW VALVE COMPANY

Specifications

All Bronze Wet Barrel Hydrants

The wet barrel hydrant head shall be made of bronze meeting AWWA C503 Standard. It shall be capable of withstanding a hydrostatic test pressure of four times the working water without stressing the material beyond its yield point per Section 3.2.3.2 of AWW C503.

Wet barrel fire hydrants shall feature independently valved parts. The working parts shall be engineered to function as a unit and to give trouble-free service over long periods of time.

Hydrants shall be designed for working pressure of 200 psi. The design factor of safety of hydrant valves shall be 5 based on ft/lb torque required for the closing and opening of individual valves at 200 psi working pressure hydrant capable of being opened or closed after being subjected to and opening torque of 200 ft.-lbs. applied at the operating system.

Length of Bury

The bury shall be specified to the nearest six inches measured from face of the hydrant flange to the center of the connecting pipe. The hydrant body shall be so designed that it may be removed by unbolt- ing from the bury section above the ground line. When specified by the purchaser, the bolts provided shall have tensile strength less than the shear force required to break the hydrant body.

Marking

All hydrants shall be permanently marked to identify the series number of the hydrant, the manufacturer, country and the year in which the hydrant was manufactured.

Testing

Hydrants shall be subjected to a hydrostatic pressure of 400 psi with the whole interior of the hydrant under pressure. Hydrant valves shall be fully opened and closed to insure full operation.

Hose Threads

Hose and pumper nozzle threads shall be in conformity with "National Standard Fire Hose Coupling Screw Threads", ASA FJ-26, unless otherwise specified.

Protector Caps

Protector caps shall be ABS plastic to meet ASTM D1788, Type 2, Grade 1. They shall be securely chained to the hydrant barrel and furnished (with or without) an inner gasket.

Standard nut size of the valve stem and protector caps shall be of pentagonal shape and furnished with a nut of 1 1/8" measured from point to flat of the pentagon. Nut sizes measuring 1 1/2" and 1 3/4" also furnished. Bronze protector caps can be furnished when specified by the purchaser.

Painting

Exterior of hydrant shall receive a primer coat and will be furnished with a traffic yellow enamel finish coat unless otherwise specified. A suitable clear sealer in lieu of primer/paint may be used if specified by the purchaser per Section 4.2.2.2 of AWWA C503.

Material Specifications

Bronze Casting: ASTM B-62

Valve Facings: Individual valves of hydrant shall be a urethane polyether base compound and cured to a shore durometer hardness of 90; tensile strength of 2700 psi; approved by FDA for use with potable water.

Bolts and Nuts: Bolts for joining the body to the bury section shall conform to ASTM A307, Grade B.

Stem Packing: An "O" ring seal of proper design shall be used. "O" rings shall be compounded to meet ASTM D2000 and have physical properties suitable for the application.

Hydrant Designation

Model 2010— 6 x 2-1/2 x 4/6 IPS

Model 2050— 6 x 2-1/2 x 4/4

Model 2060— 6 x 2-1/2 x 2-1/2 x 4/4—1/2

Model 2065— 6 x 2-1/2 x 4/4—1/2 x 4/4—1/2