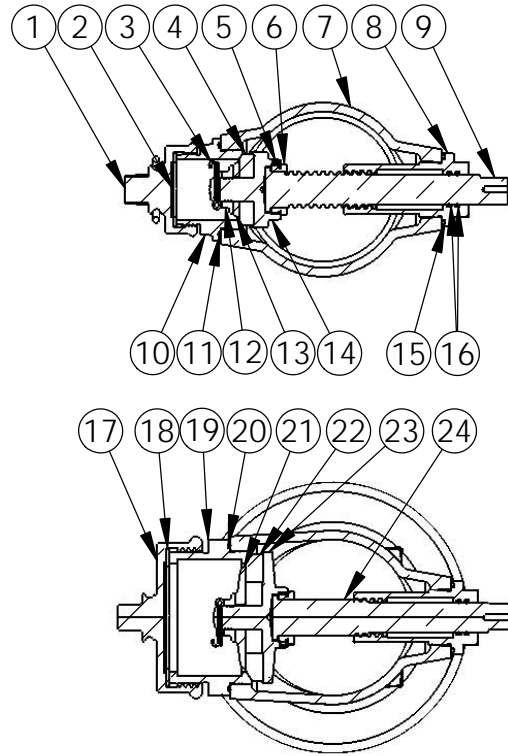
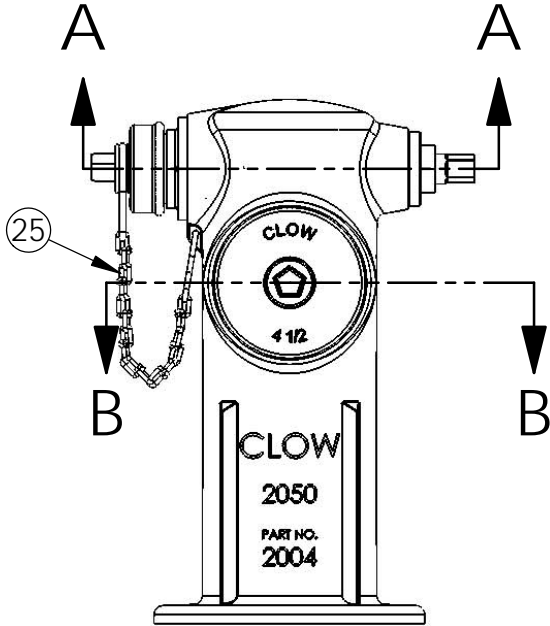


2000 SERIES WET BARREL HYDRANT
MATERIAL LIST

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

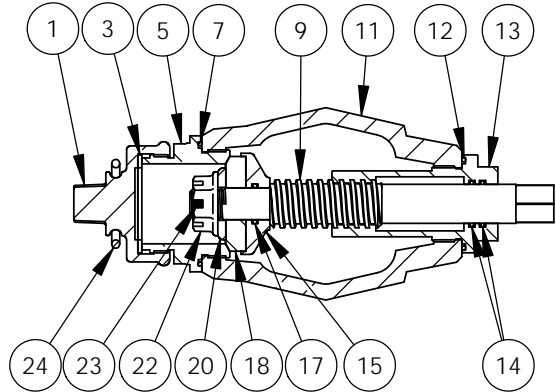
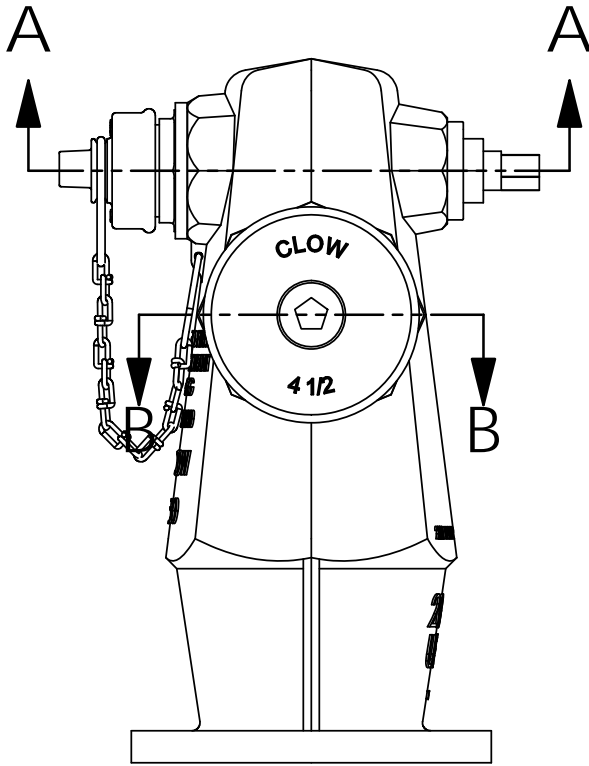
Model 2060— 6 x 2-1/2 x 2-1/2 x 4/4—1/2

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

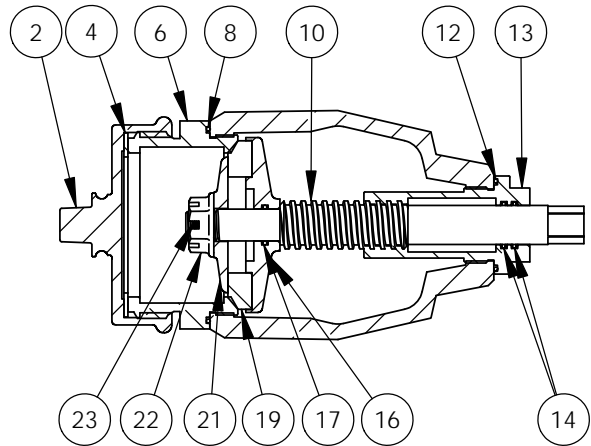
800 SERIES WET BARREL HYDRANT
MATERIAL LIST

CLOW VALVE COMPANY

MODELS 810, 850, 860, & 865



SECTION A-A
2 1/2" PORT



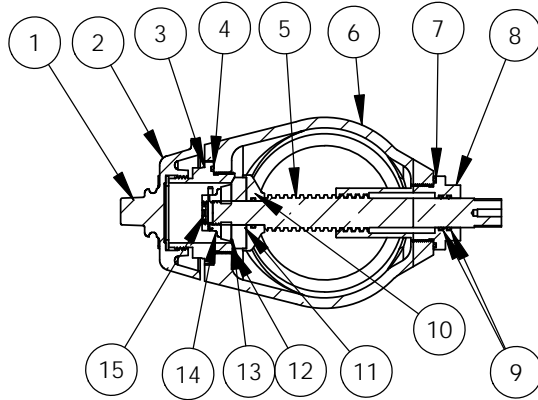
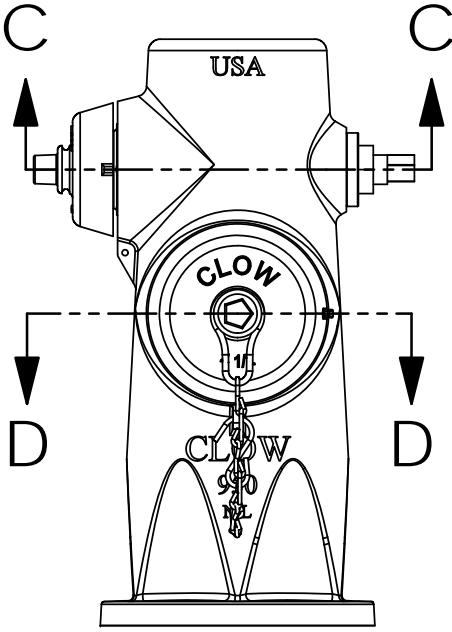
SECTION B-B
4 OR 4 1/2" PORT

ITEM	DESCRIPTION	MATERIAL
1	Hose Cap	Cast Iron or Plastic
2	Pumper Cap	Cast Iron or Plastic
3	Hose Cap Gasket	Rubber
4	Pumper Cap Gasket	Rubber
5	Hose Outlet Nozzle	Copper Alloy
6	Pumper Outlet Nozzle	Copper Alloy
7	Hose Nozzle O-Ring	Rubber
8	Pumper Nozzle O-Ring	Rubber
9	Hose Port Stem	Copper Alloy
10	Pumper Port Stem	Copper Alloy
11	Body	Grey Iron or Ductile Iron
12	Stem Sleeve O-Ring - External	Rubber
13	Stem Sleeve	Copper Alloy
14	Stem Sleeve O-Ring - Internal	Rubber
15	Hose Valve Carrier	Copper Alloy
16	Pumper Valve Carrier	Copper Alloy
17	Carrier O-Ring	Rubber
18	Hose Valve Seat	Rubber
19	Pumper Valve Seat	Rubber
20	Hose Valve Retainer	Copper Alloy
21	Pumper Valve Retainer	Copper Alloy
22	Retaining Nut	Copper Alloy
23	Cotter Pin	Copper Alloy
24	Chain Assembly	Steel

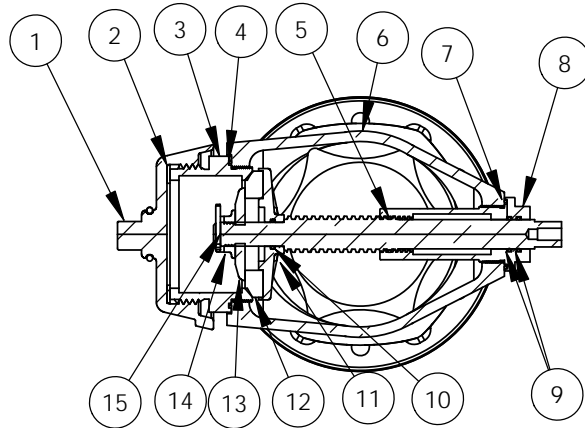
900 SERIES WET BARREL HYDRANT
MATERIAL LIST

CLOW VALVE COMPANY

MODELS 950, 960



SECTION C-C
2 1/2" PORT



SECTION D-D
4 OR 4 1/2" PORT

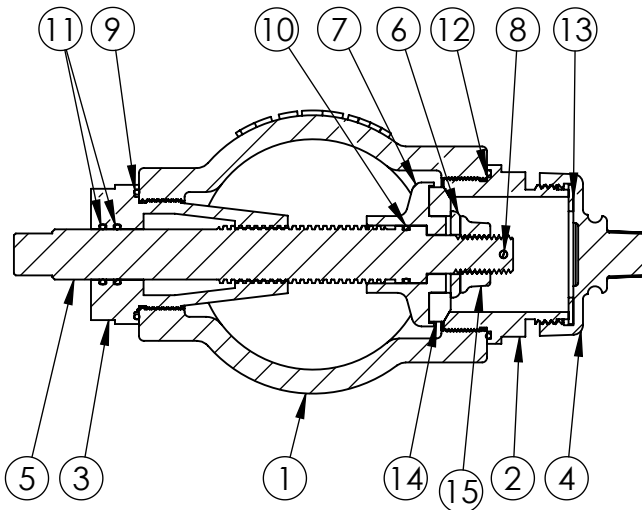
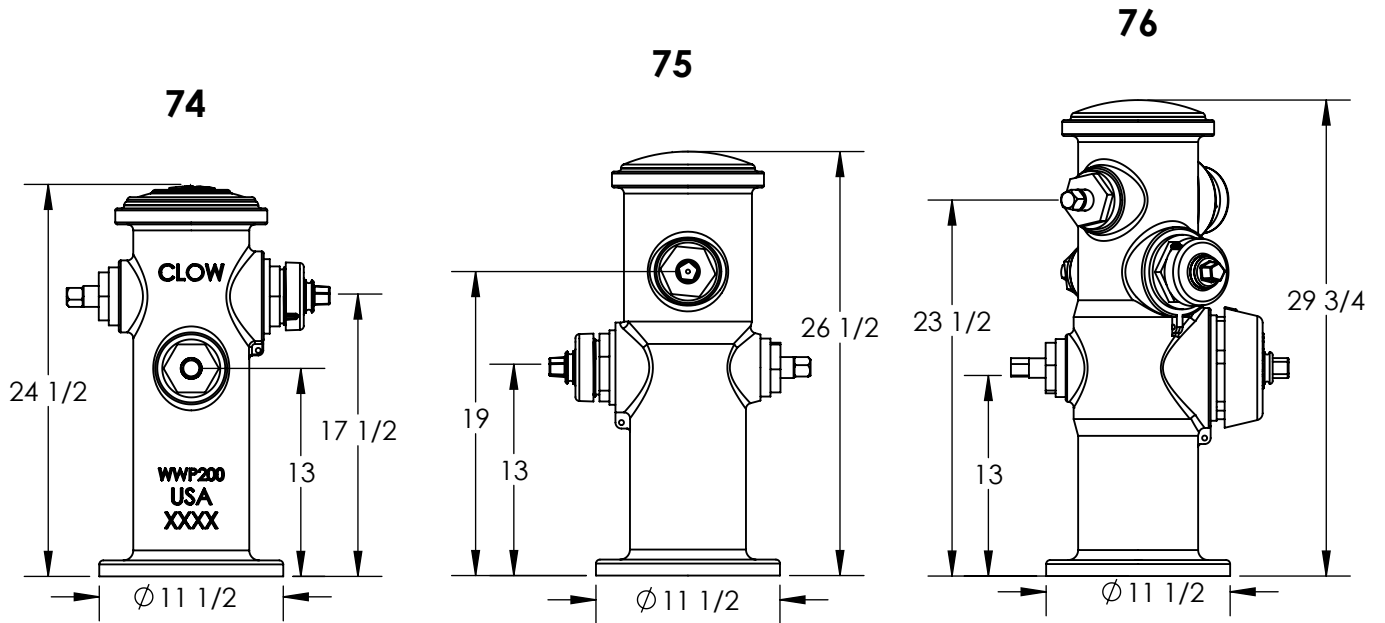
ITEM	DESCRIPTION	MATERIAL
1	Outlet Nozzle Cap	Gray Iron
2	Outlet Nozzle Gasket(Gray Iron Only)	Rubber
3	Hose Outlet Nozzle or Pumper Outlet Nozzle	Copper Alloy
4	Nozzle O-Ring	Rubber
5	Stem	Copper Alloy
6	Body	Gray Iron
7	Stuffing Box O-Ring	Rubber
8	Stuffing Box	Copper Alloy
9	Stuffing Box O-Ring	Rubber
10	Valve Carrier	Copper Alloy
11	Carrier O-Ring	Rubber
12	Valve Washer	Copper Alloy
13	Valve Washer Retainer	Copper Alloy
14	Retaining Nut	Copper Alloy
15	Cotter Pin	Copper Alloy
16	Chain Assembly	Steel

Model #74-76 Wet Barrel Fire Hydrant

CLOW VALVE COMPANY

Note: Model #74-76 wet barrel fire hydrant meets or exceeds AWWA C503, latest revision

MODEL	74	75	76
OUTLETS	(2) - 2 ¹ / ₂ "	TOP STEAMER (1) - 2 ¹ / ₂ "	STEAMER (2) - 2 ¹ / ₂ "

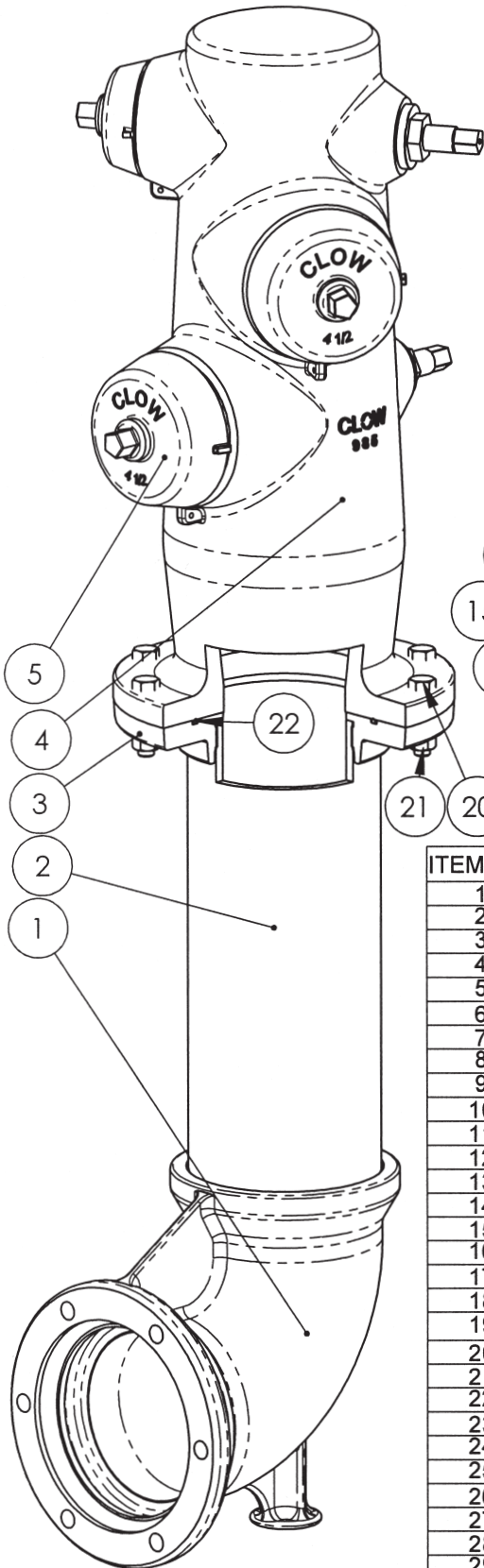


ITEM NO.	DESCRIPTION	MATERIAL
1	Hydrant Body	Cast Iron
2	Outlet Nozzle	ASTM B584 C87850
3	Stem Sleeve	ASTM B584 C87850
4	Outlet Cap	Cast Iron
5	Stem	Copper Alloy
6	Retainer	ASTM B584 C87850
7	Carrier	ASTM B584 C87850
8	Cotter Pin	ASTM B584 C87850
9	Stem Sleeve O-Ring - External	Rubber
10	Stem O-Ring	Rubber
11	Stem Sleeve O-Ring - Internal	Rubber
12	Outlet O-Ring	Rubber
13	Gasket	Rubber
14	Valve Rubber	Rubber
15	Slotted Nut	Copper Alloy

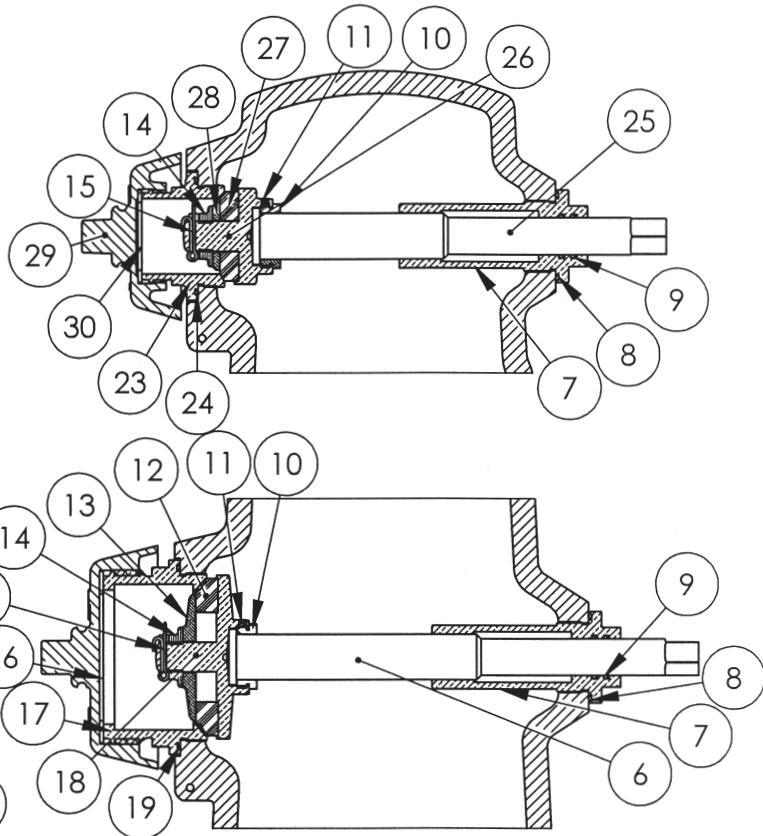
Rate Working Pressure: 200 psi

985/980 WET BARREL HYDRANT
MJ BURY INLET SHOWN

CLOW VALVE COMPANY



985 HYDRANT SHOWN



ITEM NO.	DESCRIPTION	MATERIAL	985 QTY.	980 QTY.
1	MJ Bottom	Ductile Iron	1	1
2	8" Pipe	Ductile Iron	1	1
3	Bury Upper Flange	Ductile Iron	1	1
4	Hydrant Nozzle Section	Ductile Iron	1	1
5	Pumper Nozzle Cap	Gray Iron	2	1
6	Lower/Middle Nozzle Stem	Brass	2	2
7	Stem Sleeve	Bronze	3	3
8	O-Ring - Stem Sleeve	Rubber	3	3
9	O-Ring - Stem	Rubber	6	6
10	Stem Nut	Brass	3	3
11	Set Screw	Stainless Steel	3	3
12	Valve Rubber - 4 1/2"	Rubber	2	1
13	Retainer - 4 1/2"	Bronze	2	1
14	Slotted Nut	Brass	3	3
15	Cotter Pin	Brass	3	3
16	Cap Gasket - 4 1/2"	Rubber	2	1
17	Nozzle - 4 1/2"	Brass	2	1
18	Carrier - 4 1/2"	Bronze	2	1
19	O-Ring - 4 1/2" Nozzle	Rubber	2	1
20	3/4" Hex Head Bolt	Stainless Steel	8	8
21	3/4" Hex Nut	Stainless Steel	8	8
22	O-Ring - Bury Upper Flange	Rubber	1	1
23	Nozzle - 2 1/2"	Brass	1	2
24	O-Ring - 2 1/2" Nozzle	Rubber	1	2
25	Upper Nozzle Stem	Brass	1	1
26	Carrier - 2 1/2"	Bronze	1	2
27	Valve Rubber - 2 1/2"	Rubber	1	2
28	Retainer - 2 1/2"	Bronze	1	2
29	Hose Nozzle Cap	Gray Iron	1	2
30	Cap Gasket - 2 1/2"	Rubber	1	2

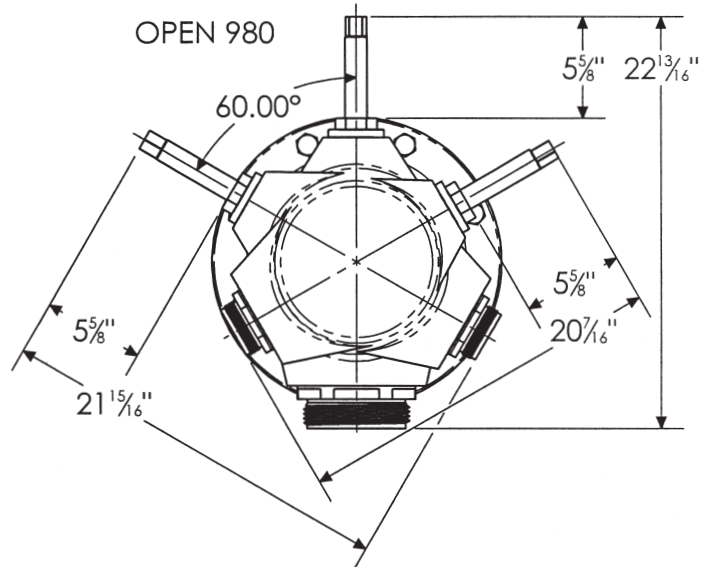
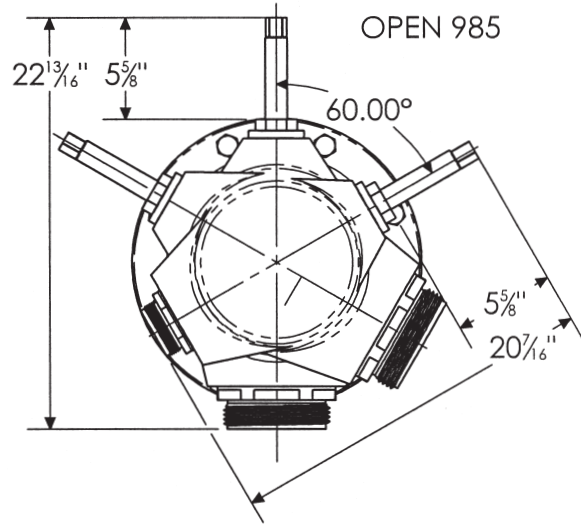
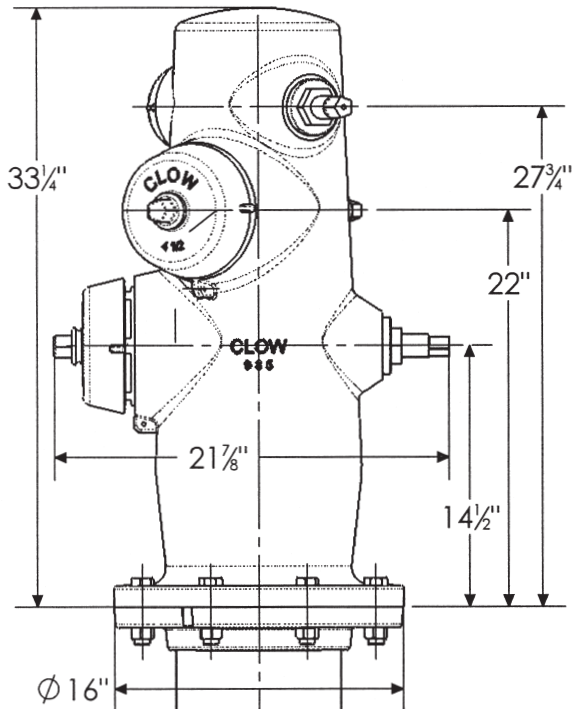
THIS HYDRANT DOES NOT HAVE A BREAK-OFF FEATURE AND MUST BE PROTECTED FROM ANY IMPACT

985/980 WET BARREL HYDRANT
DIMENSIONS

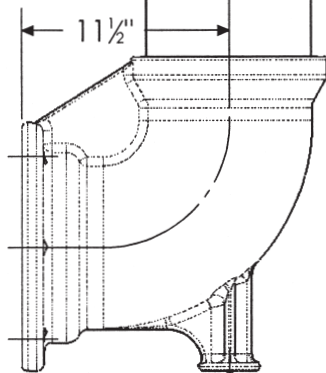
CLOW VALVE COMPANY

OVERALL HYDRANT WEIGHT:
(2' BURY DEPTH SHOWN ADD 37 LBS
FOR EACH ADDITIONAL FOOT OF BURY)

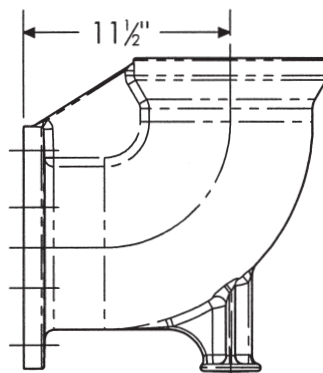
CONFIGURATION	OVERALL WEIGHT
985 MJ BOTTOM	647 LBS
985 FLANGE BOTTOM	638 LBS
985 TYTON BOTTOM	650 LBS
980 MJ BOTTOM	621 LBS
980 FLANGE BOTTOM	612 LBS
980 TYTON BOTTOM	624 LBS



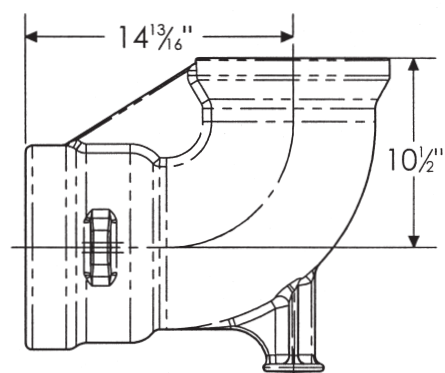
350 PSI Working Pressure



MJ BOTTOM



FLANGE BOTTOM



TYTON BOTTOM

THIS HYDRANT DOES NOT HAVE A BREAK-OFF FEATURE AND MUST BE PROTECTED AGAINST ANY IMPACT

90 SERIES
CLOW FIRE HYDRANT

CLOW VALVE COMPANY

F-92

F-94



AWWA C503
Meet and exceed requirements



SPECIFICATIONS	92	94
OVERALL HEIGHT OF BODY	18-1/4"	18"
OVERALL WIDTH OF BODY	31-1/8"	22-1/2"
DISTANCE OF HOSE OUTLETS FOR SPANNER WRENCH CLEARANCE	12"	12"
DISTANCE FROM CENTER LINE OF HOSE		
OUTLET TO FACE OF BOTTOM FLANGE	13"	13"
NUMBER AND SIZE OF HOSE OUTLETS	2-2-1/2" 1-4" or 4-1/2"	1-2-1/2" 1-4" or 1-4-1/2"

NO. 92-94 - 2 way

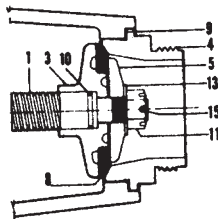
No. F92 (2) 2-1/2 1-4"
No. F94 (1) 2-1/2"
(1) 4"

HUB TYPE **MECHANICAL JOINT** **BURY LENGTH**
(AS SPECIFIED)

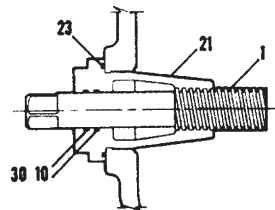
NOTE: 90 SERIES BURY HYDRANT FLANGE REGULARY FURNISHED
SLOTTED TO ACCOMMODATE PARALLEL ADJUSTMENT.
HYDRANT BREAK-OFF CHECK VALVE = 30 CAN BE SUPPLIED.

Hydrant Valve & Sleeve Assemblies

Standard Type "B" Valve



Sleeve



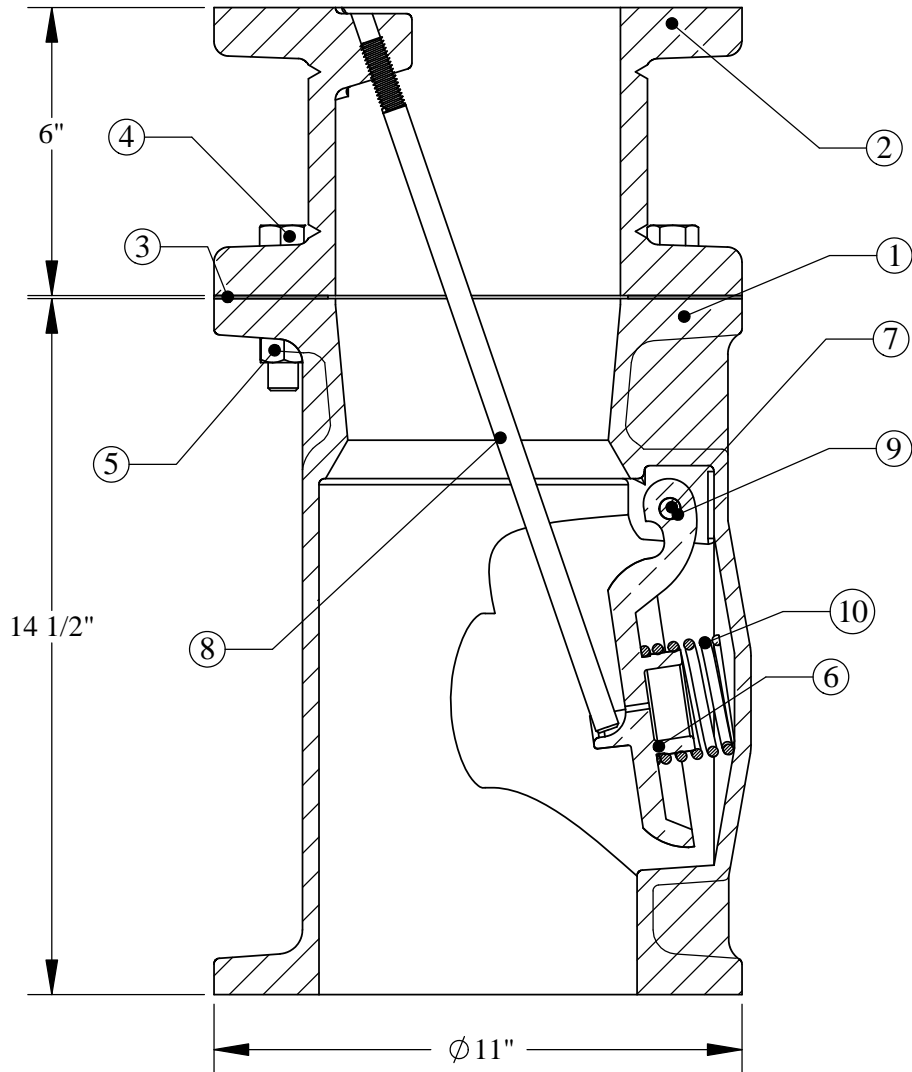
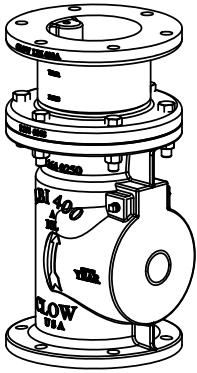
Parts Designation

- 1.** Stem **3.** Carrier **4.** Outlet **5.** Valve Retainer **8.** Valve Rubber **9.** Outlet Gasket **10.** O-Ring (stem)
11. Slotted Nut **13.** Bearing Washer **15.** Cotter Pin **21.** Stem Sleeve **23.** O-Ring (sleeve) **30.** Back Up Washer

BREAK OFF CHECK VALVE
MATERIAL LIST

CLOW VALVE COMPANY

MODEL LBI 400A



ITEM NO.	QTY.	DESCRIPTION	MATERIAL
1	1	Body	Ductile Iron
2	1	Extension	Cast Iron
3	1	Gasket	Rubber
4	6	5/8-11 X 3 Hex Head Bolt	Stainless Steel
5	6	5/8" Hex Head Nut	Stainless Steel
6	1	Flapper	Copper Alloy
7	1	Pin	Stainless Steel
8	1	Break Off Bar	Stainless Steel
9	2	1/4 NPT Pipe Plug	Stainless Steel
10	1	Spring	Stainless Steel