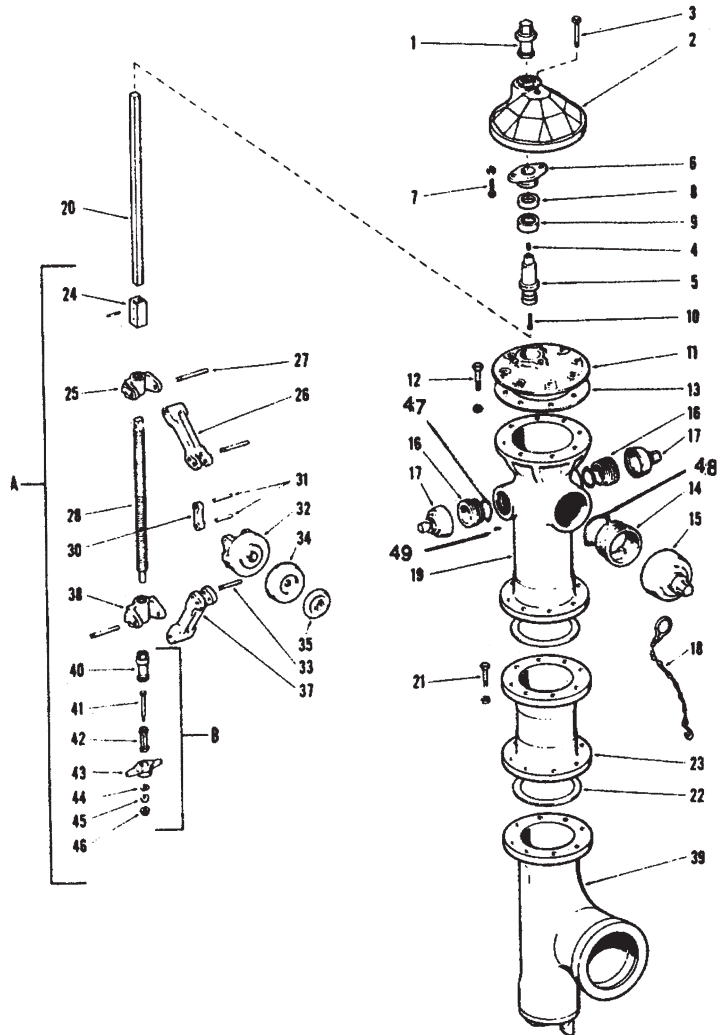


Note: Discontinued
For Reference Only

**IOWA FIRE HYDRANTS
PARTS LIST
CLOW VALVE COMPANY**

IOWA FIRE HYDRANTS PARTS LIST

PART NO.	PART	NUMBER REQUIRED	MATERIAL
1	OPERATING NUT & RETAINING RING	1	CAST IRON & COPPER ALLOY
2	DOME	1	CAST IRON
3	DOME BOLT	1	STEEL
4	CAP SCREW	1	COPPER ALLOY
5	OPERATING SLEEVE	1	CAST IRON
6	STUFFING BOX FOLLOWER AND GLAND	1	CAST IRON, BRONZE BUSHED
7	FOLLOWER BOLTS	2	STEEL-NUTS BRONZE
8	STUFFING BOX PACKING		LUBRICATED
9	STUFFING BOX PACKING RING	1	COPPER ALLOY
10	ADJUSTING SCREW	1	COPPER ALLOY
11	HEAD	1	CAST IRON
12	HEAD BOLTS & NUTS	8*	STEEL
13	HEAD GASKET	1	
14	PUMPER NOZZLE	1	COPPER ALLOY
15	PUMPER NOZZLE CAP	1	CAST IRON
16	HOSE NOZZLE	1	COPPER ALLOY
17	HOSE NOZZLE CAP	1	CAST IRON
18	NOZZLE CHAIN	1 SET	STEEL
19	STAND PIPE	1	CAST IRON
20	SQUARE OPERATING ROD	1	STEEL
21	FLANGE BOLTS AND NUTS	8*	STEEL
22	FLANGE GASKET	2	
23	EXTENSION PIECE	1	CAST IRON
24	COUPLING AND PIN	1	COPPER ALLOY
25	TOP STEM NUT	1	COPPER ALLOY
26	UPPER OPERATING ARM	1	CAST IRON
27	OPERATING ARM PINS AND COTTER PINS	2	EVERDUR BRONZE
28	THREADED STEM	1	COPPER ALLOY OR STAINLESS
30	CONNECTING LINK	1	COPPER ALLOY
31	CONNECTING LINK PINS	2	EVERDUR BRONZE
32	GATE, CAP SCREW AND NUT	1	CAST IRON-STAINLESS
33	GATE PINS	2	EVERDUR BRONZE
34	MAIN VALVE	1	RUBBER
35	GATE WASHER	1	CAST IRON
36	COTTER PINS FOR GATE	2	BRASS
37	LOWER OPERATING ARM	1	CAST IRON
38	BOTTOM STEM NUT	1	COPPER ALLOY
39	BOTTOM, SEAT RING, AND DRAIN BARREL	1	CAST IRON-BRONZE
40	DRAIN VALVE HOLDER	1	COPPER ALLOY
41	DRAIN VALVE LIFTER STEM	1	COPPER ALLOY
42	DRAIN VALVE LIFTER	1	COPPER ALLOY
43	DRAIN VALVE LIFTER GUIDE	1	COPPER ALLOY
44	DRAIN VALVE WASHER	1	COPPER ALLOY
45	DRAIN RUBBER VALVE	1	RUBBER
46	DRAIN VALVE LIFTER WASHER NUT	1	COPPER ALLOY
47	HOSE NOZZLE O-RING	2	RUBBER
48	PUMPER NOZZLE O-RING	1	RUBBER
49	NOZZLE LOCK	3	STAINLESS



Hydrant Repair Assemblies

ASSEMBLY	PARTS
A. COMPLETE HYDRANT VALVE ASSEMBLY INCLUDING DRAIN	24 THRU 46. BUT NOT PART 39
B. DRAIN VALVE ASSEMBLY	40 THRU 46

* 4 1/4" HYDRANT REQUIRES 4. SPECIFY BOTH PART NUMBER AND SIZE OF MAIN VALVE OPENING WHEN ORDERING.

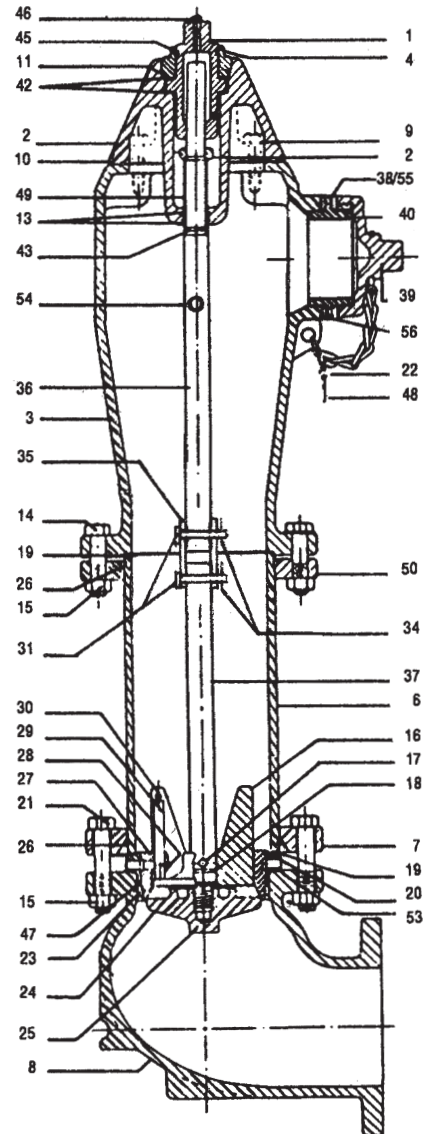
Note: Discontinued For Reference Only

CLOW FIRE HYDRANT

CLOW VALVE COMPANY

F2500

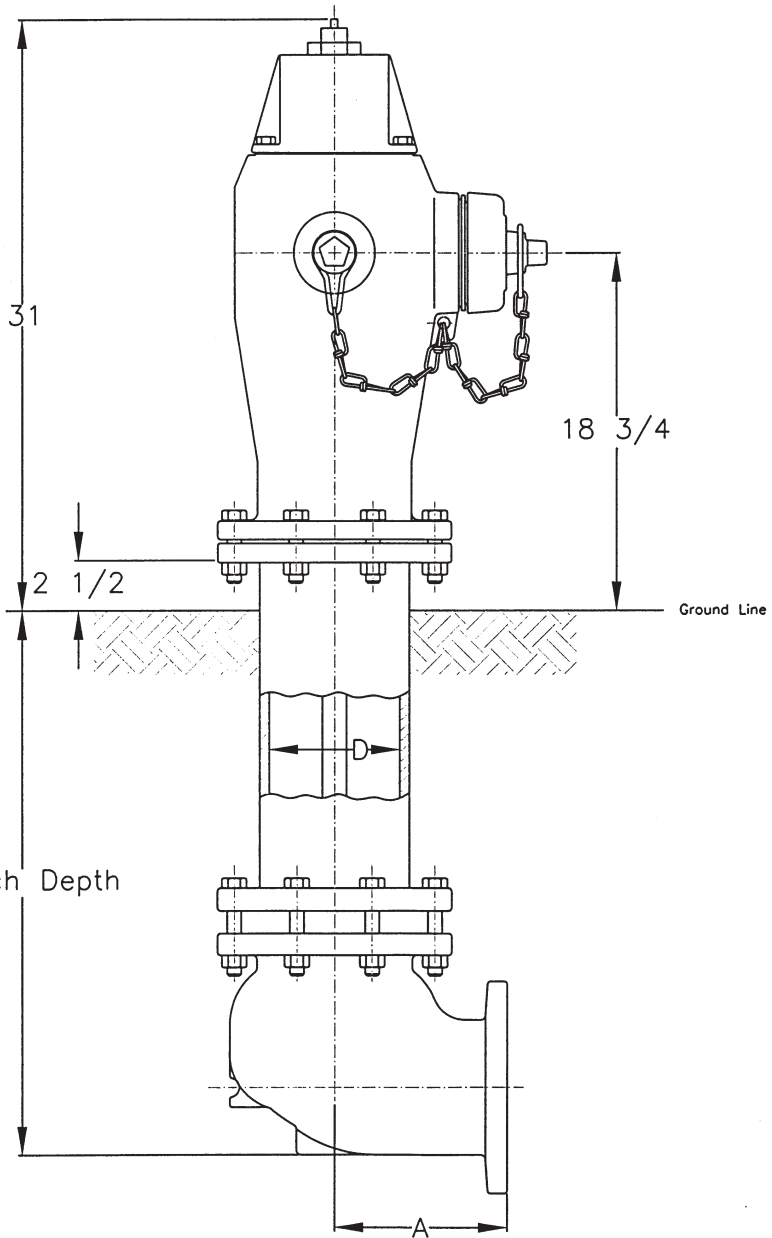
DET	QTY.	DESCRIPTION	MATERIAL
1	1	OPERATING NUT	COPPER ALLOY
2	2	COVER	CAST IRON
3	1	NOZZLE SECTION (2 NOZZLE)	CAST IRON
	1	NOZZLE SECTION (3 NOZZLE)	CAST IRON
4	1	THRUST NUT	COPPER ALLOY
6	1	STANDPIPE	DUCTILE IRON
7	1	LOWER FLANGE	CAST IRON
8	1	BOTTOM	CAST IRON
9	4	HEX HD. CAPSCREW 5/8 -11NC X 1-3/4	ZINC PLATED STEEL
10	1	COVER GASKET	NEOPRENE
11	1	O-RING 151	BUNA N
12	1	HEX SOP NUT 1"-8 NC	STEEL
13	2	O-RING 218	BUNA N
14	4	HEX HD. BOLT 3/4-10NC X 3-1/4	ZINC PLATED STEEL
15	8	HEX NUT 3/4 - 10 NC	ZINC PLATED STEEL
16	1	UPPER VALVE PLATE	CAST IRON
17	1	HEX HEAD BOLT 7/16 - 14NX 2-1/2 WITH NUT	18-8SS
18	1	O-RING 214	BUNA N
19	2	STANDPIPE GASKET	NEOPRENE
20	1	O-RING 259	BUNA N
21	4	HEX HD. BOLT 3/4 - 10NC X 4-1/2	STAINLESS STEEL
22	1	S-HOOK 13 GA. X 1"	ZINC PLATED STEEL
23	1	O-RING 258	BUNA N
24	1	VALVE SEAT RUBBER	URETHANE
25	1	LOWER VALVE PLATE	CAST IRON
26	2	RETAINING RING	300 SERIES SS
27	1	VALVE SEAT RING	COPPER ALLOY
28	1	DRIV-LOK STUD #6 X 3/8	COPPER ALLOY
29	1	DRAIN TUBE	BRASS TUBING
30	1	DRIV-LOK PIN 1/4 X 1-1/4 TYPE C	303 SS
31	2	CLEVIS PIN	18-8 SS
34	2	PIN RETAINER	18-8 SS
35	1	STEM COUPLING	CAST IRON
36	1	UPPER STEM CL	1018 CRS
	1	UPPER STEM OR	1018 CRS
37	1	LOWER STEM	1018 CRS
38	1	STEAMER NOZZLE	COPPER ALLOY
	2	HOSE NOZZLE	COPPER ALLOY
39	1	STEAMER NOZZLE CAP	CAST IRON
	2	HOSE NOZZLE CAP	CAST IRON
40	1	STEAMER NOZZLE GASKET	NEOPRENE
	2	HOSE NOZZLE GASKET	NEOPRENE
41	3	NOZZLE CAP CHAIN	ZINC PLATED STEEL
42	2	BEARING	DELTRIN
43	1	O-RING 117	BUNA N
45	1	O-RING 226	BUNA N
46	1	HEX HD. CAPSCREW 3/4-16NC X 1/2LG	ZINC PLATED STEEL
47	1	DRAIN RING	COPPER ALLOY
48	1	TRENCH DEPTH TAG	CAST ALUMINUM
49	1	UPPER STEM SLEEVE	BRASS TUBING
50	1	SAFETY FLANGE (ONE-PIECE OR SPLIT)	CAST IRON
53	1	O-RING	BUNA N
54	1	DRIV-LOK PIN 1/2 X 1-3/4 TYPE E	18-8 SS
55	2	STEAMER NOZZLE O-RING	BUNA N
		HOSE NOZZLE O-RING	BUNA N
56	3	NOZZLE LOCK	18-8 SS



FIRE HYDRANTS
GENERAL DIMENSIONS

CLOW VALVE COMPANY

F2500



HYDRANT VALVE SIZE	D
4 1/2"	6.16
5 1/4"	7.04

END TYPE	A
Flange	9"
SMJ	10 1/2"
Tyton	10 1/2"
Cutting In	10 1/2"

CLOW FIRE HYDRANT

CLOW VALVE COMPANY

F-2500

Sample Specifications

Fire hydrant shall be manufactured in accordance with AWWA Standard C502, be of break flange traffic model type, and present a low profile with a modern design exterior.

Hydrant shall be designed for 150 psi working pressure, and tested to 300 psi hydrostatic pressure.

Hydrant shall be of dry top center stem construction with the main valve opening against the pressure. The operating nut and thrust nut shall be made from copper alloy. Thrust bearings shall be used to absorb thrust in opening and closing the hydrant. Bearings shall be located both above and below thrust collar.

The "split break-away" safety flange and stainless steel snap ring at the groundline shall allow 360° rotation of the standpipe for positioning purposes.

The flanges on the nozzle section and shoe shall connect to a ductile iron barrel which utilizes grooves cut into the barrel in conjunction with a stainless steel snap ring, and safety flange components for retention.

Hydrant shall be provided with a bronze drain tube that permits draining into a 360° drain channel with a minimum of two 3/8" outlets.

Main valve seat ring removal and extension of the hydrant shall be accomplished without digging. A short compact wrench shall be used to assist in these efforts.

A stop nut shall be provided to prevent overtravel and compression of the stem.

The main valve seat ring shall be copper alloy and screw into the copper alloy drain ring.

Hydrant shall have a minimum main valve opening of (4 1/2" or 5 1/4").

Inlet connection shall be _____ inches (mechanical joint, flanged, or tyton for cast iron, cutting in.)

Hydrant shall have two 2 1/2" hose nozzles (and one pumper nozzle). Nozzle threads to be National Standard (or conform to present Town of _____ Standard). Operating nuts shall be National Standard, pentagon shape, 1 1/2" point to flat, (or conform to present Town of _____ Standard).

Hydrant shall be suitable for installation in _____ ft. depth of trench (or as indicated in plans).

Hydrant shall turn (counterclockwise or clockwise) to open, and they shall be painted _____

Hydrant shall be the Clow model F2500 as manufactured by the Valve Division of the Clow Corporation, Oskaloosa, Iowa or approved equal.