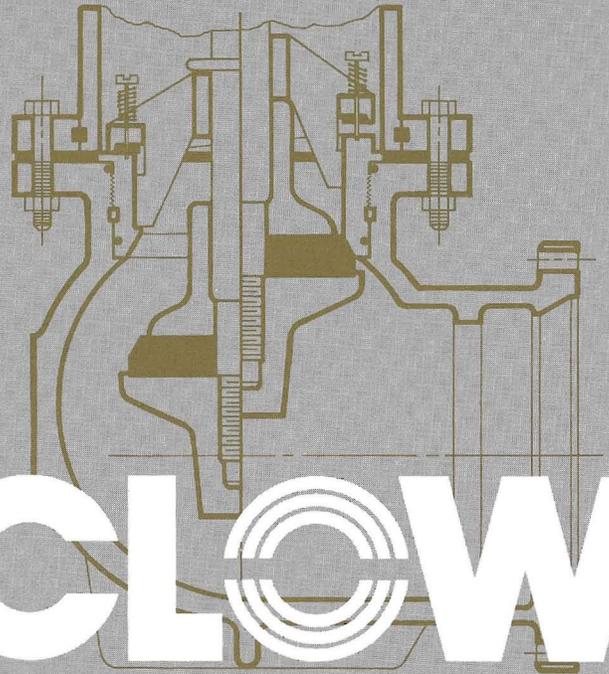
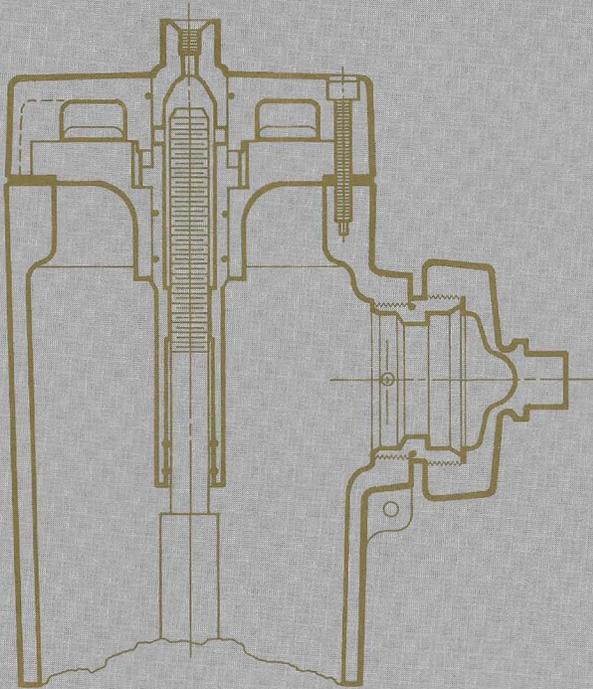




**FIRE HYDRANTS**



**CLOW**

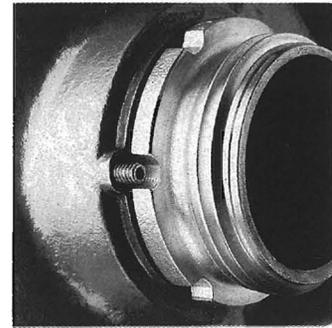
**CLOW CANADA**

**PREMIER**  
SERIES D-67-M



**Drain valve tripod,  
valve seat and  
lower valve assembly**

Clow Canada is committed to the manufacture and delivery of superior products, supported by superior services. Strict quality control measures govern every step of the manufacturing process, to ensure precision and consistency. We provide the knowledge, the technology and the products to serve industry's changing needs, efficiently and effectively. For more information about our products or services, please contact the Clow Canada sales office nearest you.

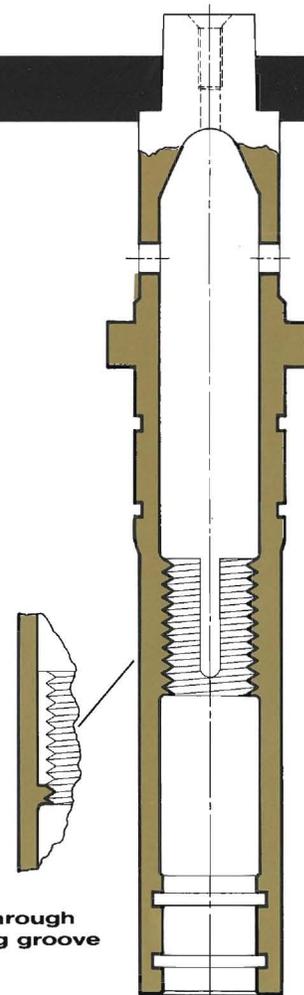


**External allen screw  
locks nozzle into place**

## PREMIER FIRE HYDRANT

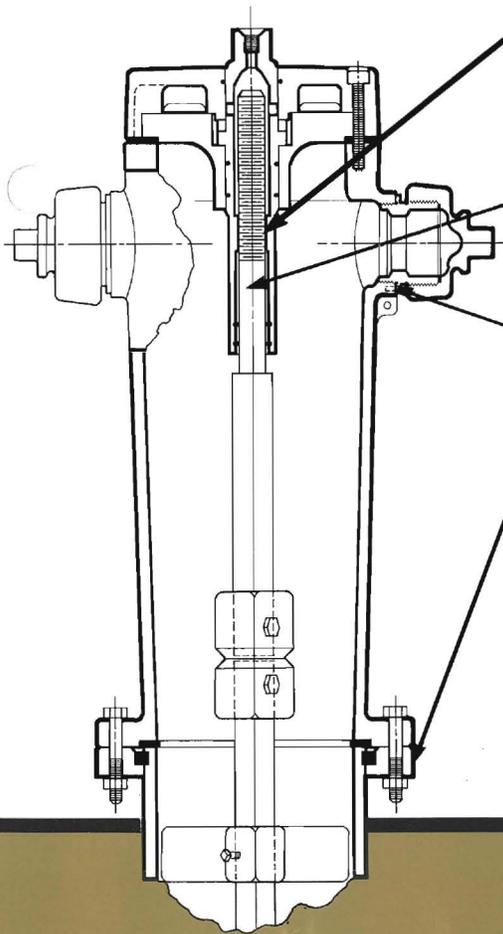
Clow Canada's Premier D-67-M incorporates several new design features and improved components for increased performance in firefighting, along with greater durability, economy and convenience. These hydrants are manufactured in Canada to the highest standards of quality — every unit is thoroughly tested before leaving the Clow factory. Lubrication is assured through the Premier's unique Hydra-lube™ mechanism. The Premier can be rotated to any position — during or after installation — without disturbing the working mechanism. The rugged Premier D-67-M stands up to traffic-accident damage. It is designed for easy upkeep, repair and replacement of parts; its internal assembly can be removed and replaced in 20 minutes, without excavation. Alternative design options and accessories serve a wide range of municipal and industrial needs. The Premier's advantages include:

- **efficient compression-type hydrant**
- **factory-lubricated operating mechanism effectively O-ring sealed for long and efficient operation**
- **very low opening and closing torques**
- **automatic drainage**
- **positive sealing with O-rings at operating nut, operating housing, seat, optional bronze casing and seat**
- **durable and positive seating**
- **easy multiple positioning**
- **safety stem coupling and safety flange**
- **internal parts easily removed — bury easily increased**
- **threaded hose and pumper nozzles — simple replacement if needed**
- **interchangeability with previous D-67-M model hydrants**
- **conforms to AWWA specifications**



**Section through  
lubricating groove**

**Hydra-lube™ operating nut**



**Hydra-lube™**

The Premier's innovative Hydra-lube™ system incorporates an internal grease channel for self-lubrication during operation.

**Stainless steel rod**

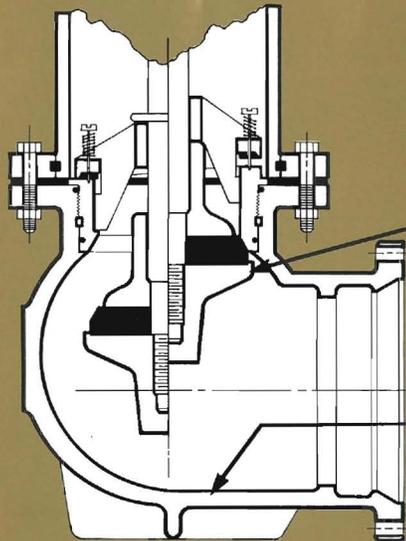
Stainless steel upper stem provides corrosion-free seating for O-rings.

**Nozzles**

An external allen screw mechanically locks nozzles into place; this offers greater assurance that nozzles will not turn or back out.

**Safety flange**

The Premier is equipped with a cast iron safety flange and grooved safety coupling. The safety flange is snap ring mounted onto a ductile iron intermediate section. If severe impact occurs, breakage will be at the safety flange and coupling. The hydrant body, working mechanism and intermediate section will remain undamaged.



**Automatic drain**

To prevent corrosion and freeze-up, the hydrant body is automatically drained quickly through the drain tripod.

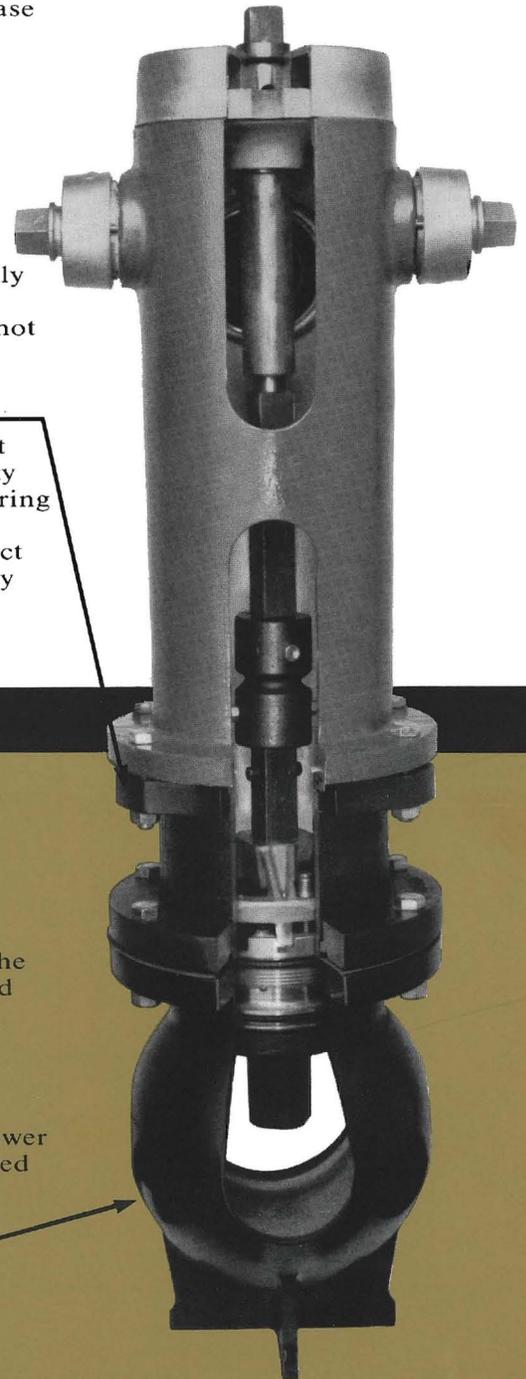
**Lower valve assembly**

The lower valve plate assembly is extended to fully encapsulate the lower rod threads. This allows for increased corrosion resistance and ease of disassembly.

**Epoxy coating**

A durable epoxy coating on the interior and exterior of the elbow guards against corrosion.

OPEN      CLOSED

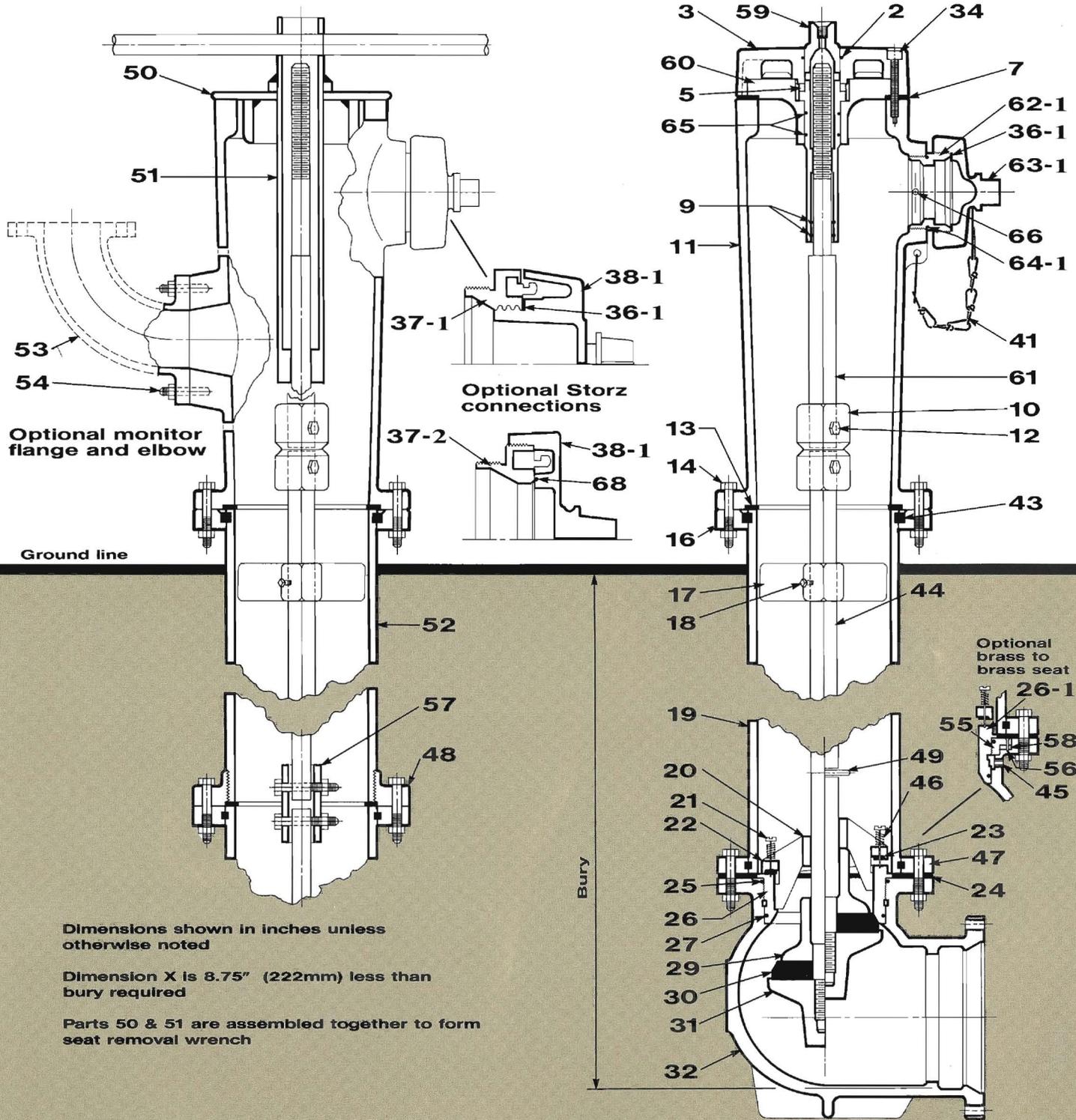


Valve shown in closed position



Factory Mutual Approved

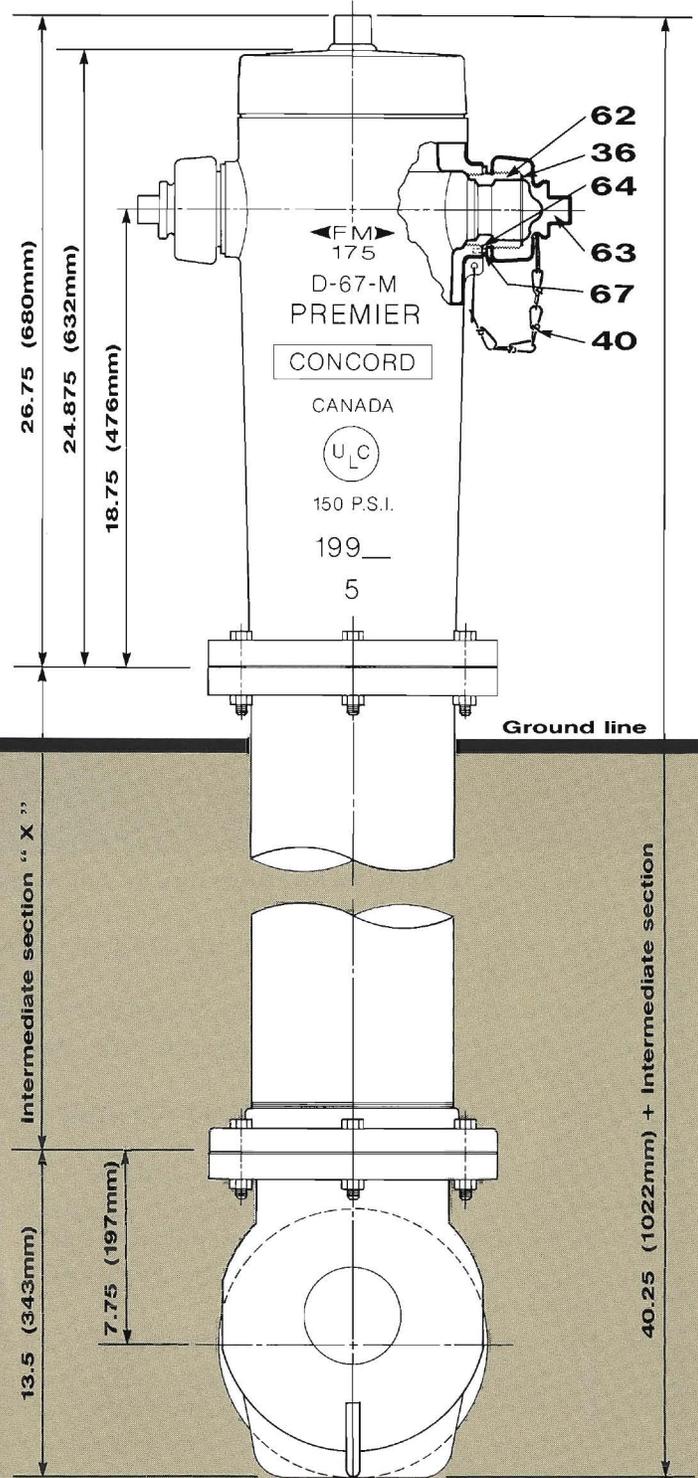




**PREMIER D-67-M DESIGN DETAILS**

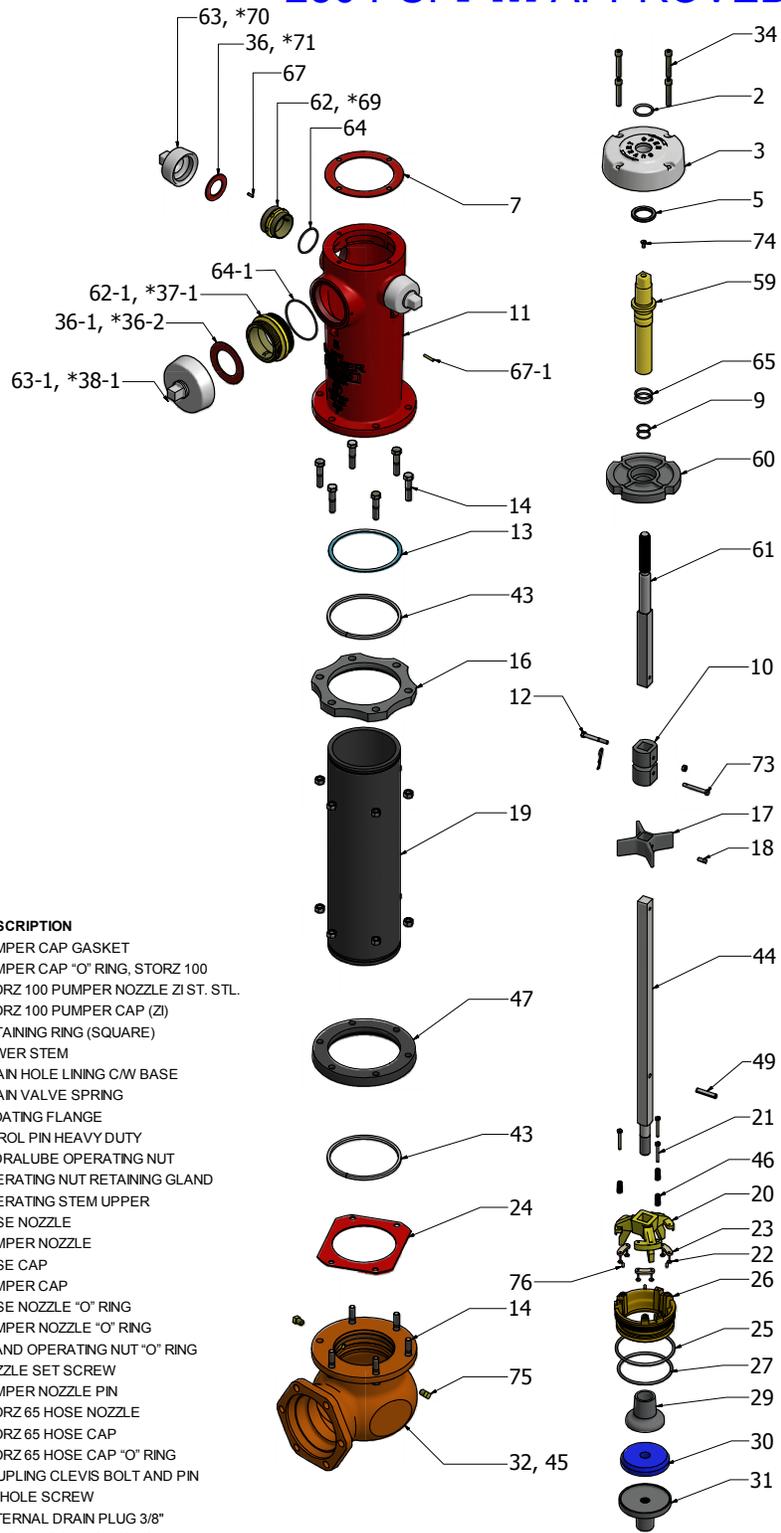
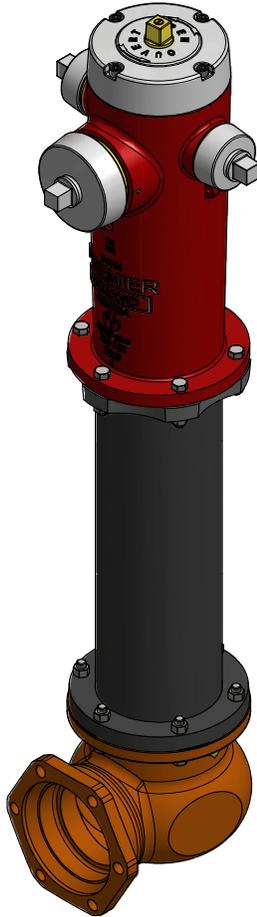
NO.	DESCRIPTION	MATERIAL
2	Bonnet operating nut O-ring	Buna-N
3	Bonnet	Cast iron
5	Operating nut bearing	Delrin
7	Bonnet gasket	Red rubber
9	Housing operating nut O-ring	Buna-N
10	breaking coupling	Cast iron
11	Body 2 hose 1 pumper	Cast iron
12	Hex. hd. bolt & nut	Steel gr. 5
13	Body gasket	Fibre (non asbestos)
14	Hex. hd. bolt & nut	Steel
16	Breaking flange	Cast iron
17	Stem guide	Cast iron
18	Stem guide set screw	Steel
19	Intermediate section	Ductile
20	Drain valve tripod	Bronze
21	Drain valve screw	Brass
22	Drain valve rivet	Copper
23	Drain valve rubber	Gum rubber
24	Gasket	Red rubber
25	Upper O-ring	Buna-N
26	Valve seat	Bronze
26-1	Valve seat (optional)	Bronze
27	Lower O-ring	Buna-N
29	Valve carrier	Cast iron
30	Valve rubber	Rubber
31	Valve retainer	Cast iron
32	Base	Cast iron
34	Bonnet allen screw	Stainless steel
36	Hose cap gasket	Red rubber
36-1	Pumper cap gasket	Red rubber
37-1	Pumper nozzle, Storz	Stainless steel
37-2	Pumper nozzle, Storz	Bronze
38-1	Pumper cap, Storz	Cast iron
40	Hose nozzle chain & S-hook	Steel
41	Pumper nozzle chain & S-hook	Steel
43	Retaining ring	Mild steel
44	Lower stem 1.25 sq.	Steel
45	Drain hole lining	Copper
46	Drain valve spring	Stainless steel
47	Floating flange	Cast iron
48	Threaded flange	Cast iron
49	Spiral pin h.d.	Stainless steel
50	Guide plate assembly	Steel
51	Interior wrench	Steel
52	Intersection extension	Ductile
53	Monitor elbow	Cast iron
54	Stud & nut	Steel
55	Seat ring	Bronze
56	Spiral pin	Stainless steel
57	Extension coupling	Cast iron
58	Ring gasket	Fibre (non asbestos)
59	Operating nut	Bronze
60	Operating nut retaining gland	Cast iron
61	Operating stem upper	Stainless steel
62	Hose nozzle	Bronze
62-1	Pumper nozzle	Bronze
63	Hose cap	Cast iron
63-1	Pumper cap	Cast iron
64	Hose nozzle O-ring	Buna-N
64-1	Pumper nozzle O-ring	Buna-N
65	Gland operating nut O-ring	Buna-N
66	Nozzle pin	Brass
67	Hose nozzle set screw	Stainless steel
68	Pumper cap O-ring	Buna-N

PARTS LIST



**CLOW**  
CLOW CANADA

250 PSI **FM** APPROVED



**DESCRIPTION**

- 2 BONNET OPERATING NUT "O" RING
- 3 BONNET
- 5 OPERATING NUT BEARING
- 7 BONNET GASKET
- 9 HOUSING OPERATING NUT "O" RING
- 10 BREAK COUPLING
- 11 HYDRANT BODY
- 12 HEX HEAD BOLT & NUT (COUPLING)
- 13 HYDRANT BODY RING GASKET
- 14 HEX HEAD BOLT & NUT (INTERSECTION))
- 16 BREAKING FLANGE
- 17 STEM GUIDE
- 18 STEM GUIDE SET SCREW
- 19 INTERMEDIATE SECTION
- 20 DRAIN VALVE TRIPOD
- 21 DRAIN VALVE SCREW
- 22 DRAIN VALVE RIVET
- 23 DRAIN VALVE RUBBER
- 24 INTERMEDIATE GASKET
- 25 M.V. SEAT UPPER "O" RING
- 26 MAIN VALVE SEAT
- 27 M.V. SEAT LOWER "O" RING
- 29 VALVE CARRIER
- 30 MAIN VALVE RUBBER or BLUE POLY
- 31 LOWER VALVE PLATE
- 32 BASE (STATE INLET REQUIRED)
- 34 BONNET ALLEN SCREW
- 36 HOSE CAP GASKET

**DESCRIPTION**

- 36-1 PUMPER CAP GASKET
- \*36-2 PUMPER CAP "O" RING, STORZ 100
- \*37-1 STORZ 100 PUMPER NOZZLE ZI ST. STL.
- \*38-1 STORZ 100 PUMPER CAP (ZI)
- 43 RETAINING RING (SQUARE)
- 44 LOWER STEM
- 45 DRAIN HOLE LINING C/W BASE
- 46 DRAIN VALVE SPRING
- 47 FLOATING FLANGE
- 49 SPIROL PIN HEAVY DUTY
- 59 HYDRALUBE OPERATING NUT
- 60 OPERATING NUT RETAINING GLAND
- 61 OPERATING STEM UPPER
- 62 HOSE NOZZLE
- 62-1 PUMPER NOZZLE
- 63 HOSE CAP
- 63-1 PUMPER CAP
- 64 HOSE NOZZLE "O" RING
- 64-1 PUMPER NOZZLE "O" RING
- 65 GLAND OPERATING NUT "O" RING
- 67 NOZZLE SET SCREW
- 67-1 PUMPER NOZZLE PIN
- \*69 STORZ 65 HOSE NOZZLE
- \*70 STORZ 65 HOSE CAP
- \*71 STORZ 65 HOSE CAP "O" RING
- 73 COUPLING CLEVIS BOLT AND PIN
- 74 OIL HOLE SCREW
- \*75 EXTERNAL DRAIN PLUG 3/8"
- \*76 INTERNAL DRAIN PLUG 1/4"

\*OPTIONAL PARTS



# **CLOW CANADA - D-67M PREMIER FIRE HYDRANT SPECIFICATION**

## **TESTING AND DESIGN SPECIFICATIONS (PER AWWA C502)**

1. Hydrant shall be manufactured in accordance with AWWA C502 latest revision
2. Hydrant shall be designed for 250 *PSI* working pressure and tested to 500 *PSI* hydrostatic pressure.
3. Hydrant shall be rated for 250 *PSI*. **FM** working pressure and 200 *PSI*. **ULC** working pressure.
4. Hydrant shall be a compression type, dry barrel design with centre operating stem construction.
5. The O-ring seating surface on the upper stem shall be constructed of stainless steel.
6. Epoxy coating to be applied to interior and exterior of hydrant shoe for corrosion protection.
7. Hydrant shall be manufactured with operating nut and integral thrust collar made of bronze. Delrin washer bearing shall be located above thrust collar for ease of hydrant operation.
8. Hydrant shall have a lower valve assembly that fully encapsulates the lower operating rod threads. This allows for increased corrosion resistance and ease of disassembly.
9. Intermediate section shall be ductile iron. (AWWA C110 – 08)

## **STANDARD HYDRANT FEATURES**

1. Body style: Round
2. Hydrant shall have an internally lubricated bronze operating nut with O-ring seals. Operating nut shall be of the Hydra-lube™ design to ensure self lubrication during operation.
3. Hydrant hose nozzles shall be mechanically locked into place by an external allen screw, and have O-ring seals.
4. Hydrant Lower rod shall be 1-1/4" in sq.
5. Hydrant shall have a main valve opening of 5".
6. Hydrant shall be a traffic model, complete with safety flanges and stem coupling. Upper body can be rotated 360 degrees to adjust pumper direction.
7. Hydrant shall be manufactured with a lower valve plate that bottoms out in the shoe for maximum opening.
8. Hydrant shall be backed by manufacturer's 12 year limited warranty
9. Hydrant shall be the D67M Premier as manufactured by Clow Canada.

**McAvity**

**CLOW**

A division of Canada Pipe Company Ltd.

**CONCORD**

### **OPTIONAL HYDRANT FEATURES**

1. a) 2 hose one pumper upper body            or            b) 2 hose upper body
2. AVAILABLE INLETS:
  - 150mm (6") Mechanical Joint (ANSI A-21.11)
  - 150mm (6") flanged (ANSI B16.1 Class 125)
  - 150mm (6") Tyton (AWWA C110)
  
3. All standard inlets available in CAST IRON ASTM A126 Class B  
Or Ductile Iron ASTM A536 (65-45-12)
4. Hydra-lube operating nut – see standard shapes on submittal drawing
5. Two 65mm (2.5") hose nozzles - threads on nozzle ends to suit national, provincial or municipal standard or STORZ quick connect
6. One 113mm (4.5") pumper nozzle - threads on nozzle ends to suit national, provincial or municipal standard
7. 100mm (4") or 125mm (5") STORZ quick connect pumper nozzle
8. Nozzle caps to suit – see standard shapes on submittal drawing
9. Two external .375" NPT plugs in inlet @ 180 degrees / one internal .25" NPT plug
  
10. Hose & pumper nozzle cap chains
11. Hydrants painted to suit national, provincial or municipal standard.

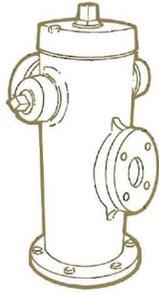
**McAvity**

**CLOW**

A division of Canada Pipe Company Ltd.

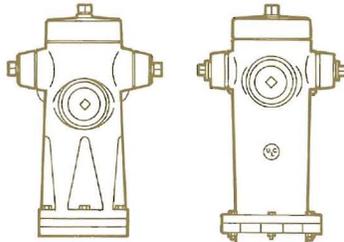
**CONCORD**

## Accessories/Alternatives/Options



### Monitor flange

The Premier is available with monitor flange for use in industrial fire protection in pulp and paper mills, lumber yards or storage areas for inflammable materials. The hydrant's 3" (76mm) flanged outlet is faced and drilled to ANSI 125, suitable for connecting a long radius flanged elbow and standpipe for mounting a monitor nozzle.



D-67

D-67-M

### Conversion kit

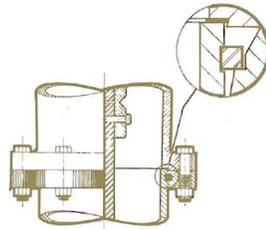
Previous D-67 and D-67-M models may be converted to incorporate important features of the Premier D-67-M — easily and without excavation by using the operating nut conversion kit.

Kit consists of:

- two-piece stainless upper stem
- Hydra-lube™ operating nut
- nut retainer gland and gasket
- Delrin thrust bearing

Specify D-67 kit (1-1/8" sq. stem) or D-67-M kit (1-1/4" sq. stem).

All Premier D-67-M components are interchangeable with previous D-67-M models.



### Safety flange

Clow's Premier D-67-M is equipped with a cast iron safety flange and grooved safety coupling. The safety flange is snap ring mounted onto a ductile iron intermediate section. If severe impact occurs, breakage will be at the safety flange and coupling. The hydrant body, working mechanism and intermediate section will remain undamaged.



### Storz connectors

The Premier is available with a complete line of integral 2-1/2" (65mm) and 4" (100mm) Storz quick connect couplings. The 2-1/2" coupling is bronze; the 4" is made type 316 stainless steel. Both come equipped with a cast iron cap. A complete line of retrofit stainless steel Storz couplings and adapters is available to convert existing D-67 and D-67-M hydrant models in most sizes. Some units are also available to retrofit different brands of discontinued hydrants.

Further details on Clow Canada's Premier D-67-M, options and/or accessories are available upon request.

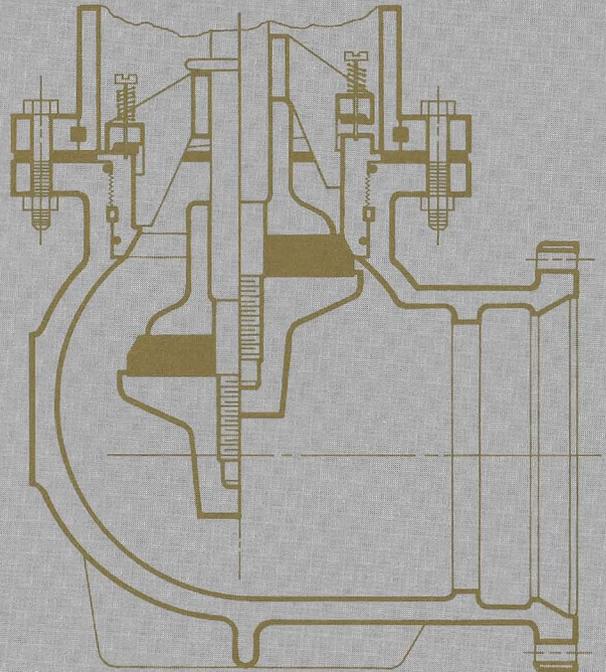
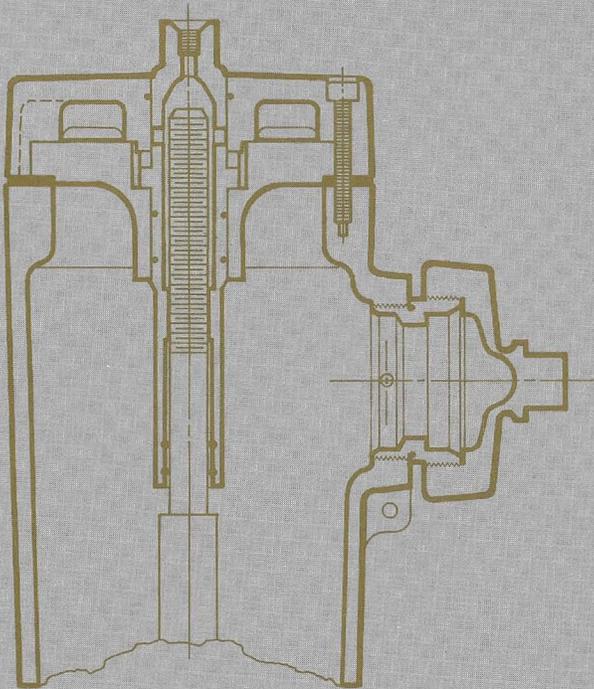
**CLOW**  
CLOW CANADA

**HAMILTON, ONTARIO  
TOLL FREE NUMBER**

1-800-561-9931

Tel. (905) 548-9604 Fax (905) 547-0113

**SALES DESK**



**CLOW**  
CLOW CANADA

**EASTERN CANADA**

Grandview Industrial Park  
P.O. Box 700  
Saint John NB E2L 4B3  
Tel. (506) 633-2541  
Fax (506) 634-8936

**WESTERN CANADA**

801 Smelter Ave. S.E.  
P.O. Box 1000  
Medicine Hat AB T1A 7H1  
Tel. (403) 527-3553  
Fax (403) 527-7454

**HEAD OFFICE**

600 Kenilworth Ave. N.  
P.O. Box 2849  
Hamilton ON L8N 3R5  
Tel. (905) 548-9604  
Fax (905) 548-6885