

Ordering

Directions for Ordering.

When ordering the Sentinel 250™ or METROPOLITAN®/M-94 Ductile Iron hydrant, please specify the following:

1. Quantity required.
2. Size of main valve opening (4-1/2" or 5-1/4").
3. Opening direction.
4. Operating nut size and shape.
5. Number and size of nozzles.
6. Nozzle thread detail (NST or other).
7. Depth of bury-distance from ground line to the bottom of the hydrant inlet (same as depth of trench).
8. Type and size of inlet connection.
9. Color code. Unless otherwise specified the hydrant will be painted fire engine red from the ground line up.

Information Necessary When Ordering Spare Parts

When ordering parts for the Sentinel 250™ or METROPOLITAN®/M-94 METROPOLITAN®/M-94 hydrant, please provide the following information:

1. Size of main valve opening (4-1/2" or 5-1/4"). This is cast in raised letters on the back of the upper standpipe section #25.
2. Opening direction clockwise (right) or counterclockwise (left).
3. Size and shape of operating nut (standard AWWA pentagon is 1-1/2" point to flat).

Nozzle caps take same size and shape as specified for operating nut.

4. Size and thread detail for hose and pumper nozzle or caps.

If other than National Standard, refer to previous orders or send drawings and complete thread detail or send sample nozzle.

5. Depth of trench (also called depth of bury). It is the distance from the groundline to the bottom of the connecting pipe.

All spare parts are painted black except above groundline items, which are prime coated for finish painting by customer.

250 psig Working pressure and 500 psig Test pressure.

Conforms to AWWA Standard C502, UL listed and FM Approved.

Nominal Size of Main Valve Openings	Two Way				Three Way	
	Two Pumper Nozzles		Two Hose Nozzles		Two Hose Nozzles and One Pumper Nozzle	
	Sentinel 250™	M-94	Sentinel 250™	M-94	Sentinel 250™	M-94
4-1/2"	A-451	A-494	A-451	A-494	A-451	A-494
5-1/4"	A-453	A-495	A-453	A-495	A-453	A-495

Hydrant bury lengths are as follows: 1'6", 2'0", 2'6", 3'0", 3'6", 4'0", 4'6", 5'0", 5'6", 6'0", 6'6", 7'0"

Size of Hydrant	Size and Types of Inlet Connections			
	Flanged	Mechanical Joint	D-150 Mechanical Joint	Slip-On
4-1/2"	4" or 6"	4" or 6"	6"	6"
5-1/4"	6"	6"	6"	6"

FLANGED INLET

For flanged end pipe or when used with a flanged end auxiliary gate valve. The flange is faced and drilled to the 125 lbs. American Standard - ANSI B16.1. Option for ISO drilling available (PN 10/16).

MECHANICAL JOINT INLET

For use on Ductile Iron, C900 PVC and Cast Iron pipe with end dimension compliant with ANSI/AWWA C11. Furnished with the connecting gland, plain rubber gasket, and bolts and nuts, unless otherwise specified. Inlet has two strapping lugs. Can also be furnished on order with set screws in the gland for bonding.

D-150 MECHANICAL JOINT INLET

This is an enlarged connection suitable for use with class 150 Cast Iron pipe or Class D Pit Cast pipe by using one of two type gaskets available. For Class 150 Cast Iron pipe use Duck Tipped gasket. For Class D Pit Cast pipe use Plain Rubber gasket. Complete with gland, cast iron bolts and nuts, and gasket specified. These gaskets and glands will not interchange with those on the Standardized Mechanical Joint. Can be furnished with set screws in the gland for electrical bonding upon order. Inlet has two strapping lugs.

SLIP-ON® JOINT INLET

The Slip-on ends fit plain end of classes 150, 200 and 250 cast iron; ductile iron and classes 150 and 200 cast iron O.D. PVC. Classes 150, 200 and 250 manufactured to ANSI A21.6 and ANSI A21.8 including the plain end of all makes of cast iron pipe of the slip connection type. Inlet has two strapping lugs. The regular Slip-On gasket may be ordered.