



Patent# 6,178,988 B1

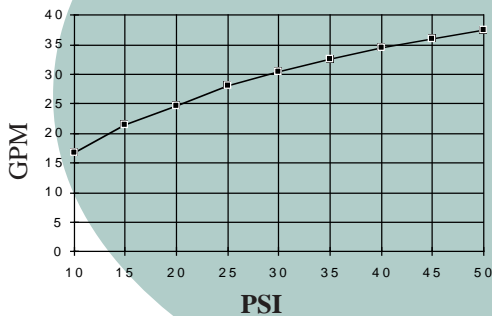
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## MONITOR® MAGNUM FROST-PROOF HYDRANT

Bury Depth	Model No.	WT.
1 ft.	1WHMB	10
1.5 ft.	1.5WHMB	11
2 ft.	2WHMB	11
2.5 ft.	2.5WHMB	12
3 ft.	3WHMB	13
4 ft.	4WHMB	14
5 ft.	5WHMB	15
6 ft.	6WHMB	17
7 ft.	7WHMB	18
8 ft.	8WHMB	19
10 ft.	10WHMB	22

### Flow Capacity of Magnum Hydrant

(4 Ft. bury, 1" I.D. Inlet &  
.750" I.D. Outlet)



- ◆ Head has padlock hole. Head bolts are hardened steel, linkage works on unthreaded shank.
- ◆ Collar is cast iron, tamper resistant stainless steel hex socket screw, easy to loosen. Use 5/32" Allen wrench.
- ◆ No packing, no adjustment required.
- ◆ Water goes through a 1" Sch. 80 PVC wet pipe which is attached to the head casting with a NPT thread.
- ◆ O-ring seals are #115 made of Buna N rubber coated with Teflon. Water system pressure rating is 125 PSI.
- ◆ Plunger is a pressure balanced design made of acetal thermoplastic. The plunger is threaded to the wet pipe.
- ◆ Stand pipe is 1-1/4" steel with corrosion resistant coating. Coating is more corrosion resistant than Sch. 40 galvanized pipe. The stand pipe is attached to the brass valve body using fine threads on the ID of the stand pipe. The brass valve body has fine threads on the O.D. with this design there are no exposed threads which can cause corrosion.
- ◆ Bottom inlet, tapped 1" FIP thread for increased flow through 1" supply pipe.
- ◆ Valve body is domestic #C84400 red brass. The spool is pressure balanced, making opening and closing easier. This enables the handle to be held open in any position. It has a 1/8" drain hole tapped for female pipe thread that can be attached to extend the drain if required by code, or if desired.
- ◆ Valve body drain port tapped 1/8" NPT. Proper installation is essential for satisfactory operation of any hydrant. Adequate provision must be made for proper drainage in cold weather and this is best accomplished by the use of an adequate bed of pea rock under and around the hydrant. Plastic sheeting placed over the pea rock will prevent seepage of dirt into the pea rock to plug the drain field. If ground water table is high it is advisable to run a pipe from the 1/8" NPT drain tapping in the valve body to a drain tile from the vicinity of the hydrant.
- ◆ Do not leave a garden hose connected to the 3/4" hose adapter on the outlet of the head casting in the winter time. When the hydrant is in the closed position, air enters through the 3/4" hose fitting allowing the water in the 1" schedule 80 PVC to drain into the drain field to prevent freezing of the water in the wet pipe. If the water is trapped in the wet pipe, the hydrant will freeze and may break the valve body or 1" schedule 80 PVC wet pipe. **If a garden hose connector is left on in the winter time, warranty is null and void.**
- ◆ If a vacuum breaker is installed on the 3/4" hose adapter on the outlet of the head casting, make sure it is a total automatic design. The automatic vacuum breaker will allow air to enter through the 3/4" hose adapter allowing the water in the 1" schedule 80 PVC wet pipe to drain. This will prevent the hydrant and valve body from freezing. Many vacuum breakers sold are not automatic. They are manual in operation. **DO NOT USE THESE TYPES ON YOUR HYDRANT. If other than a total automatic design is used, warranty is null and void.**
- ◆ Open blade ductile iron handle on the top of the head casting is easy to open or close regardless of hand size, even with a glove on. Wider bushings at all pivots reduce wear.
- ◆ Head casting is cast iron, large water passageway. Less pressure drop, higher flow. Over 25 GPM with 4' bury depth at 30 PSI. If the head casting does not stay in place during operation, tighten the two linkage bolts.
- ◆ Hose adapter is 3/4" male hose thread.



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