BAKER WATER SYSTEMS

YARD HYDRANT

THE MAGNUM IS FOR:

- •Home
- •Lawn
- •Garden Care
- •Cleaning Eqpt.
- •Watering Livestock
- •Ranches
- •Farms
- •Fire Protection

The unique spool valve design and simple construction of the Monitor Magnum hydrant provides dependable operation and easy servicing in any weather. The “Balanced Valve” allows smooth, easy flow adjustment, since the water flow does not oppose valve movement, as in other hydrants. Corrosion resistant brass valve body, acetal spool and 3/4” Sch. 80 PVC wet pipe contain the water flow, extending hydrant life. The elimination of a packing nut, valve rod and linkage adjustment eliminates most of the maintenance and repair kits required with ordinary hydrants. When properly installed, occasional easy replacement of the three standard O-rings should be the only normal maintenance required.

All internal parts can be quickly removed without using pipe wrenches or digging. Turn off the water supply. Loosen the stainless steel hex screw in the collar. Pull out the inside wet pipe. Replace the o-ring. Bottom out the head casting on the stand pipe. Rotate the head casting outlet, clockwise only, to the direction the homeowner wants and tighten the set screw.

Location of outlet is approximately 24” above ground in addition to bury depth.

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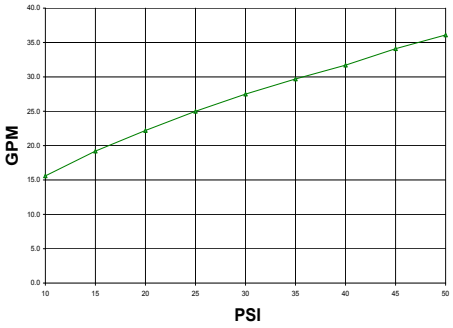
MONITOR® MAGNUM FROST-PROOF HYDRANT

Bury Depth	Model No.	WT.
1 ft.	1WHMB75	10
1.5 ft.	1.5WHMB75	11
2 ft.	2WHMB75	11
2.5 ft.	2.5WHMB75	12
3 ft.	3WHMB75	13
4 ft.	4WHMB75	14
5 ft.	5WHMB75	15
6 ft.	6WHMB75	17
7 ft.	7WHMB75	18
8 ft.	8WHMB75	19
10 ft.	10WHMB75	22

Flow Capacity of Magnum Hydrant

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



- 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.
- 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 3/4" Sch. 80 PVC wet pipe which is attached to the head casting with a NPT thread.
- **OEM O-rings are teflon coated nitrile. Can be replaced with standard #115 O-Ring. 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.**
- Valve body is #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 3/4" 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 3/4" 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 3/4" 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.**

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