

MainGuard #77M Monitor Hydrant



MAINGUARD™

The Kupferle Foundry Company
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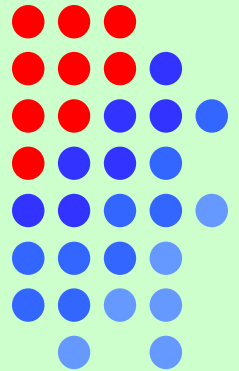
The MainGuard #77M two-inch washdown hydrant from Kupferle Foundry is designed for washdown of clarifiers, sludge holding tanks and equalization basins for wastewater plants. It features a stream shaper nozzle with spray ranges up to 190 feet and eliminates the need for cumbersome hoses. The MainGuard #77M monitor can be permanently mounted or set up with a quick disconnect. Flow rates of 380 gpm at 75 psi.

Standard Features:

- 3' bury or less
- Repairable from above ground—no digging!
- All brass and aluminum working parts
- Self-draining, non-freezing
- 2" FIP vertical (straight) inlet

Optional Features:

- Depths of bury over 3', per 6"
- 2" FIP horizontal (side) inlet
- 2" MJ inlet iron w/epoxy coat
- 2" MJ inlet all brass valve
- #77 operating wrench

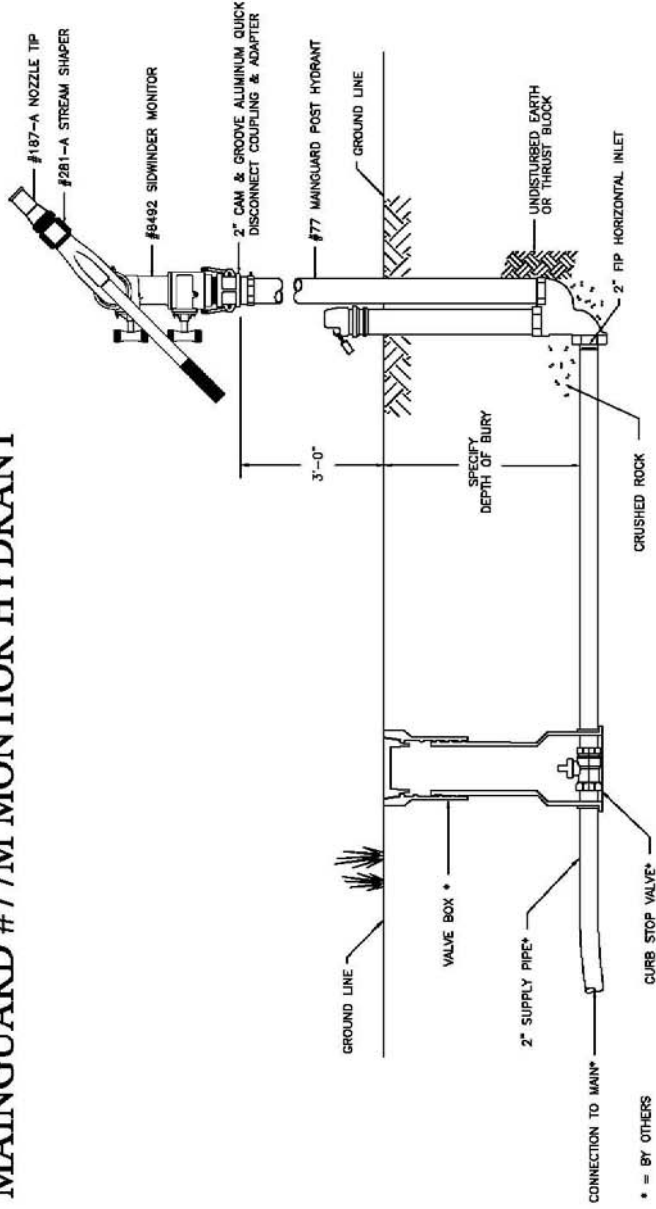


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MAINGUARD #77M MONTIOR HYDRANT



#77M MONITOR HYDRANT ASSEMBLY SHALL INCLUDE A #77 MAINGUARD 2" POST HYDRANT AND A SIDEWINDER #8492 ELK-O-LITE MONITOR DESCRIBED AS FOLLOWS: THE MAINGUARD #77 POST HYDRANT SHALL BE NON-FREEZING, SELF DRAINING TYPE WITH A _____' DEPTH OF BURY. THE HYDRANT WILL BE FURNISHED WITH A 2" VERTICAL OR HORIZONTAL FIP INLET OR 2" MJ INLET, A NON-TURNING OPERATING ROD AND BE OPERATED WITH A 1-1/2" PENTAGON WRENCH. WHEN OPEN, THE VALVE SHALL BE 100% UNOBSTRUCTED AND DRAIN HOLE SHALL BE COVERED. THE OPERATING DRIVE MECHANISM SHALL BE OF BONZE-TO-BRONZE DESIGN WITH AN ALUMINUM PLUNGER AND BE SERVICEABLE FROM ABOVE GRADE WITH NO DIGGING. THE #8492 ELK-O-LITE SIDEWINDER MONITOR SHALL BE CONSTRUCTED FROM LIGHT WEIGHT CAST ALUMINUM WITH A FULLY VANED 2" WATERWAY PRODUCING A FRICTION LOSS FACCTOR OF 26 PSI AT 500 GPM; MONITOR SHALL BE CAPABLE OF 360 DEGREE HORIZONTAL ROTATION AND ALLOW FOR VERTICAL POSITIONING WITH STOP LOCATIONS AT 90 DEGREES ABOVE AND 45 DEGREE BELOW THE HORIZONTAL PLANE. THE OUTLET OF THE MONITOR SHALL INCLUDE A 1.5" #281-A STREAM SHAPER AND A #187A ALUMINUM NOZZLE TIP WITH A 1.5" FEMALE INLET AND A 1.25" OUTLET, THE #77 MAINGUARD POST HYDRANT AND THE #8492 SIDEWINDER MONITOR SHALL HAVE A 2" ALUMINUM CAM AND GROOVE QUICK DISCONNECT COUPLER AND ADAPTER WITH DUST CAP AND WITH A MINIMUM DIMENSION AT THIS CONNECTION POINT OF 3'-0" FROM GROUND LINE AS MANUFACTURED BY KUPFERLE FOUNDRY CO., ST. LOUIS, MO. & ELKHART BRASS MFG CO., ELKHART, IN OR APPROVED EQUAL.



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PART NO. #77M MAINGUARD MONITOR HYDRANT

DRAWN G.B.
APPROVED
DATE 08-18-10
MAT'L

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NO.	DATE	REVISION