

## The MANABLOC Manifold includes a comprehensive transferable warranty.

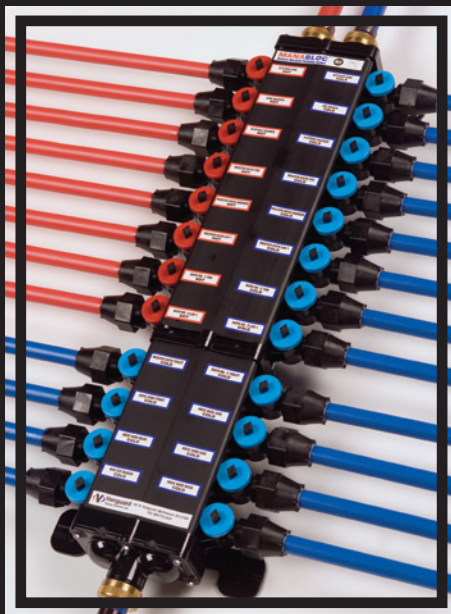
Many plumbing systems have no warranty at all, leaving a homeowner vulnerable should the system fail. The MANABLOC manifold system is guaranteed for 10 years, with the warranty covering the COMPLETE system including Vanguard's tubing, fittings and the control unit from manufacturing defect.

### Complete Coverage

The MANABLOC warranty covers more than system replacement. It also covers reasonable replacement costs for damage to personal property, including furnishings, drywall and related items.

### Transferable

The warranty can be transferred to future owners of the system for a period of 10 years from the date of installation. The warranty transferability can assist you in the sale of your home should you choose to move during the warranty period.



**MANABLOC**<sup>®</sup>  
Modular Manifold Plumbing System

 **Vanguard**  
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A Viega Company

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# MANABLOC<sup>®</sup>

## MODULAR MANIFOLD PLUMBING SYSTEM



*Save Thousands of Gallons of Water  
per year with the MANABLOC  
Manifold Plumbing System*

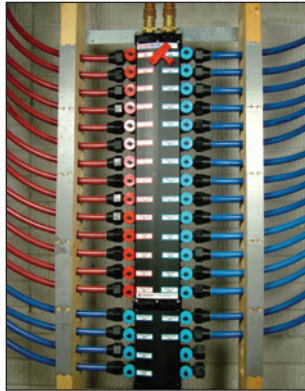
 **Vanguard**  
Piping Systems, Inc.  
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# MANABLOC® Manifold

## The most efficient water management technology available

A MANABLOC manifold system works for the homeowner. Unlike conventional systems which simply deliver water to fixtures, the MANABLOC distributes the water supply quietly, efficiently and economically. It also provides the homeowner better overall control of the plumbing system and makes the plumbing system easier to service.



MANABLOC Manifold System

### MANABLOC'S Benefits Include: Faster Hot Water Delivery

Because MANABLOC's distribution lines are dedicated to individual fixtures, less water is needed to "flush" the line of cool water before the hot water is delivered. This approach saves time, energy and reduces the amount of water wasted waiting for hot water.

### Less Potential for Leaks

The weakest link in any plumbing system



is the fittings or "connections". Since most conventional plumbing systems use rigid pipe like copper, fittings are commonly used to create bends and turns in the supply lines to the fixtures.

Because the MANABLOC system uses flexible PEX tubing, it greatly minimizes the need for fittings. MANABLOC PEX tubing, called Vanex®, can be curved around obstacles without fittings, eliminating many potential trouble spots in the system. Because the MANABLOC uses individual lines for every fixture, the need for plumbing system branches which require fittings is eliminated. The system also minimizes behind-the-wall fittings which can be difficult and costly to repair.

### Easy to Service

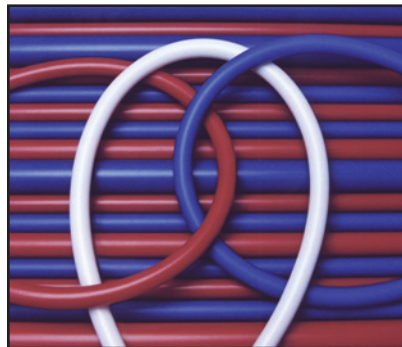
The MANABLOC system features individually labeled shut-off valves for each distribution line and fixture. When a fixture has a leak on the hot water side, for example, the homeowner can turn off the valve for just that spot, enabling the rest of the system to run smoothly while the repair takes place. When homeowners want to remodel, they can simply shut-off the water supply to the fixtures they're removing and the rest of the home remains fully functional.



Individual Shut-off Valves

### Quiet Operation

The flexible Vanex PEX tubing used with the MANABLOC system operates quietly. In copper and other rigid plumbing systems, you often hear noise as the water flows through the pipes. Flexible Vanex PEX tubing virtually eliminates water noise.



Vanex PEX Tubing

### Balanced Water Delivery

The built-in reservoir in the MANABLOC control unit allows you to use multiple fixtures simultaneously without noticeable pressure and temperature changes. This means you can run the shower, flush a toilet or turn on a sink at the same time without experiencing dramatic temperature or pressure changes in water delivery.

### Water and Energy Efficient

Less time waiting for hot water means less water wasted. It also means less energy loss. An independent study conducted by the Davis Energy Group shows that a manifold plumbing system can reduce energy and water waste by about half in an average home.

