

MICROFLUSH®

Model LF-210®



Ultra Low Flow Toilets

Microflush Toilets® are designed for use in all applications and are available in round or elongated. The vitreous china bowl is easily cleaned and maintained. Units can be ordered with a number of options, including vandal-resistant lids. Using 68% less water than conventional fixtures, the 1^{1/2} quart toilet provides excellent economical benefits, while solving both water supply and sewage disposal problems. The Microflush® toilet is unique in that it uses an air assisted flush instead of the excessive water used in 1.6 gal. standard fixtures. The 60 PSI air supply is typically generated by an air compressor available in a range of sizes. The extremely quiet 12-second flush transports waste materials completely and efficiently. Thousands of installations in both new construction and to existing plumbing systems are testimony to the effectiveness of these toilets.

Specification Data

Each toilet shall be vitreous china, rear or bottom discharge, floor mounted ultra low flow water use type, **Microflush® Model LF-210®**, manufactured by Microphor, Willits, California, USA. The flushing mechanism shall be push button activated, air operated, air and water sequence valve. The air and water sequence valve shall regulate the length of the flushing cycle, and the amount of water that will be used is not to exceed an average of 1^{1/2} quart (1.4 liters) per flush. Sufficient water shall be left in the bowl to prevent a “dry bowl” condition and provide a minimum water surface area of 12^{1/4}” x 10^{1/2}” when the toilet is not flushing. The evacuation hopper shall be fabricated of non-deteriorating injection molded thermoplastic material. The flapper seal shall be fabricated of nitrile rubber. Integral air lines shall be 1/4 inch outside diameter extruded seamless tubing of non-hydroscopic Type II nylon resin. Burst rating of air lines shall be 1,000 PSI at 75°F. An air supply system of a size recommended by the water closet manufacturer shall be installed.

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General Information

The installation of the Microflush® fixture is similar to a conventional toilet and is suitable for replacing either standard fixtures or for use in new construction. The following are general installation requirements.

Air Supply - An air line from a compressed air source must be supplied. An air pressure regulator must be installed at the air tank to provide a constant pressure 60 PSI at the toilet. Sizing of compressors and air lines is shown on the Compressor sizing chart. An Air Connecting Kit, is provided and contains fittings, shut-off cock and 72" tubing to connect toilet to main air line with 1/4" MPT fitting. Optional Air Connecting Kits are available (see Air System Accessories).

Water Supply - Water is to be supplied to the toilet by a standard 1/2" water line with a minimum of 20 PSI and a maximum of 50 PSI and a constant pressure with a variation of no more than ± 3 PSI. Higher water pressure can prevent toilets from flushing. If higher pressures are anticipated, install a pressure reducing valve in the water line. Ideal pressure is 35 PSI.

Water supply should be located 9" from centerline of toilet and 3" from floor. Water supply should be 1/2" flexible line from angle stop to fitting on toilet which is 1/2" NPS slip joint nut (1/2" lavatory supply). See Rough-In Dimensions.

Toilet Seat - Toilet seat post holes are on 5" centers. The seat is provided with unit.

Toilet Mounting & Connection - A wax ring is provided on bottom discharge units. Where the floor is uneven a second standard wax ring may be required. Toilet can be mounted to floor with 1/4" closet screws.

Mounting Bolt Caps - Mounting bolt caps are provided with model specified on reverse side.

Vandal Resistant Lid - For marine installation and where vandalism may be a concern, it is recommended the unit be ordered with a vandal resistant lid.

Shipping Information - Weight: 100 lbs.

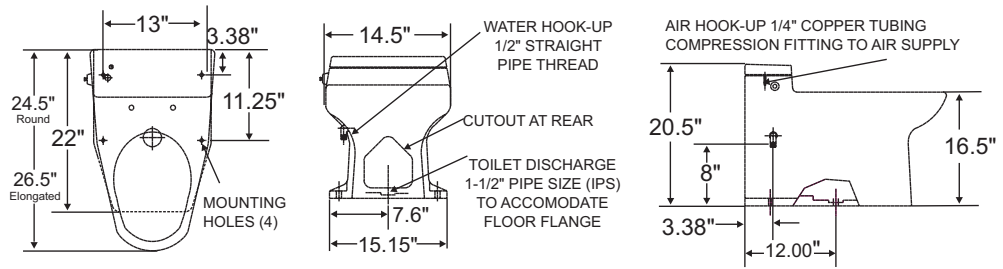
Warranty - Limited two (2) year on all component parts. Detailed warranty available upon request.

Changes In Design - Continuing a policy of research and development, Microphor reserves the right of price, product, or design change without notice of obligation.

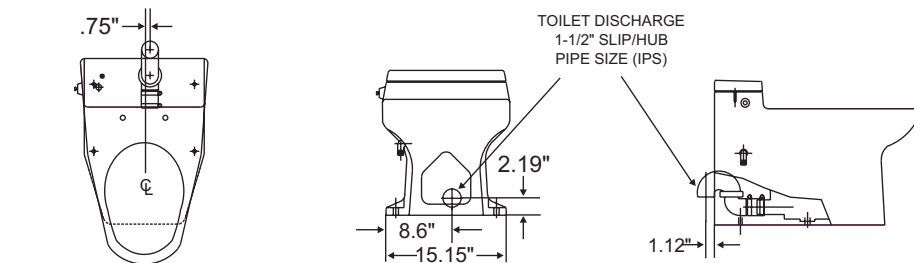
Rough-In Dimensions

(All dimensions ± 0.5")

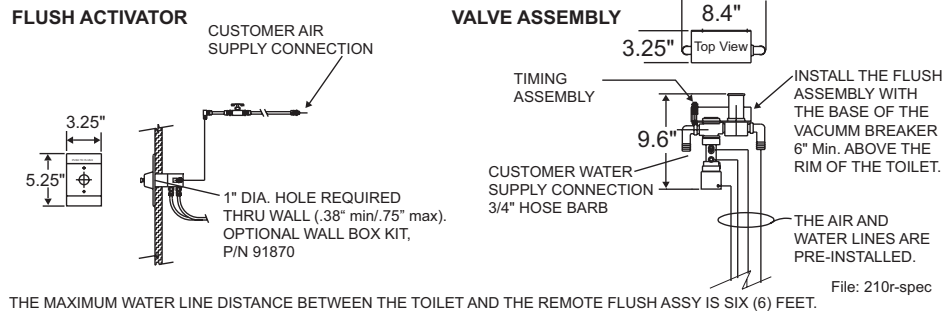
Downward Discharge



Rear Discharge



Remote Flush Rough-In



THE MAXIMUM WATER LINE DISTANCE BETWEEN THE TOILET AND THE REMOTE FLUSH ASSY IS SIX (6) FEET.



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