

# MICROFLUSH

## MODEL LF-320® STAINLESS STEEL

ULTRA  
LOW FLOW  
TOILETS



Microflush® Half Gallon Flush Toilets, Stainless Steel round front, are designed for use in all applications where extra durability and vandal resistance are required. The electro-polished finish is easily cleaned and maintained. Optional powder coating in a selection of colors is available. Using 90% less water than conventional fixtures, the half gallon toilet provides excellent economical benefits, 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 standard fixtures. The 60-65 PSI air supply is typically generated by an air compressor available in a range of sizes (see Compressor Sizing Chart). The extremely quiet 12 second flush transports waste materials completely and efficiently. Thousands of installations in high-use public facilities such as roadside rest areas, national parks, ski areas, minimum security prisons, in addition to use on railroad locomotives, passenger and private cars, as well as buses are testimony to the effectiveness of these toilets.

### SPECIFICATION DATA

Each round front water closet shall be 16 gauge, stainless steel, rear discharge, floor-mounted ultra low flow water type, Microphor® Model LF-320® manufactured by Microphor, Willits, California. The flushing mechanism shall be button or lever 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 0.6 gallon (2 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 9" x 10" 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" 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 Microphor shall be installed.

### ORDERING INFORMATION

BOWL FINISH	1. A/W-Seq Valve Location	2. Flush Activator Action	3. Flush Activator Type	4. Rear Discharge P/N
Standard Stainless Finish	Remote	Residential	Microphor	93103
			Adaptor	93104
		Commercial	Microphor	93968
			Adaptor	93969
Special Colors - Contact Factory				

Refer to the following to determine specific part numbers:

**Column 1** - Air & Water Sequence Valve location - remote (mounted remotely - see Rough-In Dimensions on reverse side)

**Column 2** - Flush Activator action - standard (press and hold momentarily to flush)

**Column 3** - Flush Activator type - Microphor Flush Activator

**Column 4** - Waste discharge configuration - rear

Toilets operate on water pressure between 20-50 PSI constant. Gravity water pressure models are available - contact factory for details.



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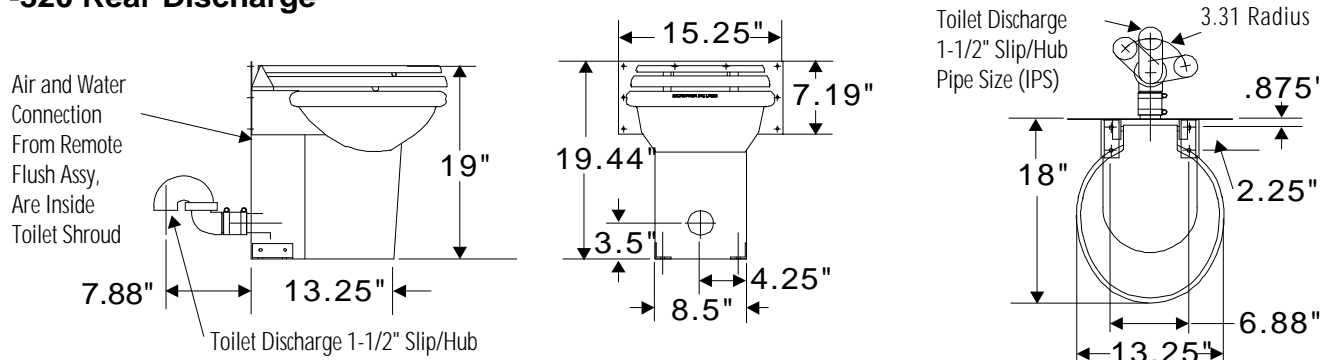
[www.wabtec.com](http://www.wabtec.com)

# MICROFLUSH® MODEL LF-320® STAINLESS STEEL

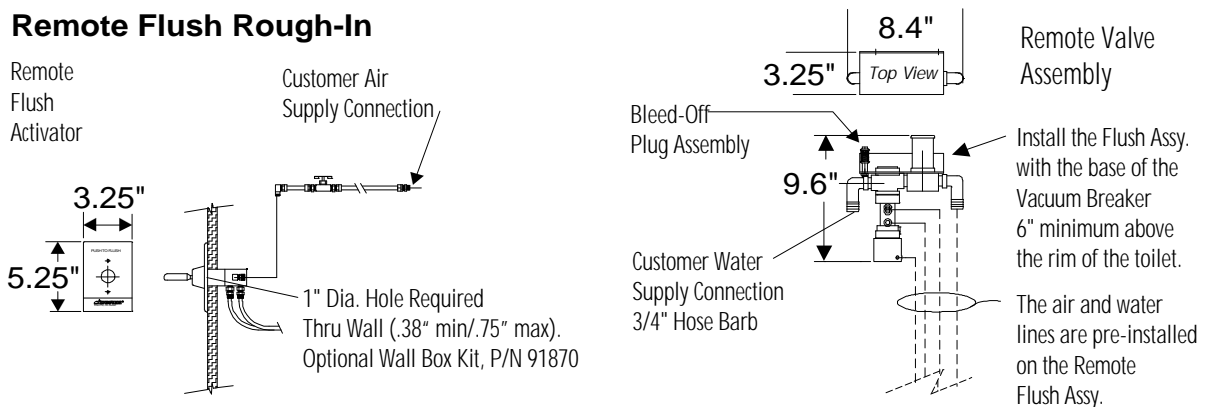
## ROUGH-IN DIMENSIONS

(All Dimensions ± 0.5")

### LF-320 Rear Discharge



### Remote Flush Rough-In



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

Grfc: 320-spec

## GENERAL INFORMATION

Installation of the Microflush® toilet 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 of 60-65 PSI at the toilet. Sizing of compressors and air lines is shown on the Compressor Sizing Chart. 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 for pressured water supply models. Gravity water pressure models operate at 14 PSI atmospheric with 6 feet of head at sea level. 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. Optional gravity water pressure models are available - contact factory for details.

### TOILET SEAT

Toilet seat post holes are on standard 5-1/2" centers. The seat is provided with most units, contact factory regarding specific models.

### SHIPPING INFORMATION

Weight: 35 lbs.; Volume 3.9 cubic feet

### WARRANTY

Limited one-year on all component parts. Detailed warranty available upon request.

### CHANGES IN DESIGN

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



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