



# LANCASTER

## WATER TREATMENT

### X-FACTOR SERIES LET

PROBLEM WATER? LANCASTER WATER TREATMENT HAS A NEUTRALIZER OR FILTER THAT IS SURE TO MEET YOUR MOST DEMANDING NEEDS – FROM PH CORRECTION TO THE REMOVAL OF IRON, SEDIMENT, COLOR, ODOR AND EVEN TO IMPROVE THE TASTE OF YOUR WATER.

#### FEATURES

- Treats water to protect pipes, faucets, water heaters, boilers and all appliances requiring the use of water
- Eliminates blue-green staining associated with low pH water
- Uses a state-of-the-art microprocessor
- Flow rates that won't disrupt household water pressure
- Simple and easy to run with high-efficiency operation
- Variety of types to treat multiple conditions found in the water supply
- Special carbon filters available to remove synthetic organics, benzene and trichloroethylene
- Removes chlorine and other offensive tastes and odors
- Sediment filters remove dirt, silica, and most suspended matter
- Birm filters remove iron and manganese and other suspended matter

#### FILTERS & NEUTRALIZERS

All backwashing neutralizers and filters are equipped with a state-of-the-art electronic control valve that is designed for the best possible service and backwash rates.

Our carbon filters, through filtration and adsorption, remove organic chemicals and other contaminants derived from both natural and industrial sources which cause color, taste and odor problems. There are a variety of filters designed especially to treat common applications in the home.

Our acid neutralizers and filters bring the treatment of household water to a whole new level of quality and convenience with proven system performance.



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### CARBON FILTERS

Lancaster's carbon filters, through filtration and adsorption, remove organic chemicals and other contaminants which cause color, taste and odor problems.

### ACID NEUTRALIZERS (CALCITE)

Lancaster's acid neutralizers correct low pH water, which in turn protects your pipes, faucets, heaters, boilers and all appliances requiring the use of water. A water softener may also be recommended to remove hardness.



### SEDIMENT/TURBIDITY (FILTER-AG)

Lancaster's sediment filters will remove dirt, silica, and most suspended matter from your water supply down to the 20-40 micron range. Filter-AG requires no chemical regenerents - just a simple, periodic backwash.

### IRON FILTERS (BIRM)

Lancaster's iron filters remove iron and manganese, also filter other suspended matter, prevent rust stains on clothing, appliances and remove taste and color of iron. When sulfur is present, Birm is not recommended. Refer to Lancaster AquaNue models using Catalytic Carbon or Katalox Light media..

NOTE: When using Birm for iron removal, it is necessary that the water contain no oil, polyphosphates or hydrogen sulfide, organic matter not to exceed 4-5ppm, the D.O. content equal at least 15% of iron content with a pH of 6.8 or more. If the influent water has a pH of less than 6.8, neutralizing additives such as calcite, corosex or soda ash may be used prior to the Birm filter to raise the pH. A water having a low D.O. level may be pretreated by aeration (Lancaster AquaNue models). Chlorination greatly reduces Birm's activity. High concentrations of the chlorine compounds may deplete the catalytic coating. Free chlorine concentration should be less than 0.5 ppm. For manganese reduction, the influent water should have a pH range of 8.0 to 8.5, but below 8.5 if iron is present. All other conditions remain the same for either manganese or iron.

MODEL NO.	TANK	SERVICE GPM <sup>1</sup>		BACKWASH GPM
		CONT.	PEAK	
<b>COLOR, TASTE &amp; ODOR (CARBON) FILTERS</b>				
7-LETCT-1B	10 x 44	2.7	5.5	6.5
7-LETCT-2B	13 x 54	4.6	9.2	10
7-LETCT-3B	14 x 65	5.4	10.7	10
7-UFCT-1B	10 x 44	2.7	5.5	-
7-UFCT-2B	13 x 54	4.6	9.2	-
7-UFCT-3B	14 x 65	5.4	10.7	-
<b>ACID NEUTRALIZER (CALCITE) FILTERS</b>				
7-LETDAN-1B	10 x 47 (with dome plug)	2.7	5.5	6.5
7-LETDAN-1.5B	10 x 54 (with dome plug)	2.7	5.5	6.5
7-LETDAN-2B	13 x 54 (with dome plug)	4.6	9.2	10
7-LETDAN-3B	13 x 65 (with dome plug)	4.6	9.2	10
7-UFAN-1B	10 x 44	2.7	5.5	-
7-UFAN-1.5B	10 x 54	2.7	5.5	-
7-UFAN-2B	12 x 52	3.9	7.9	-
7-UFAN-3B	14 x 65	5.4	10.7	-
<b>SEDIMENT/TURBIDITY (FILTER AG) FILTERS</b>				
7-LETST-1B	10 x 44	2.7	5.5	5.3
7-LETST-2B	13 x 54	4.6	9.2	9.0
7-LETST-3B	14 x 65	5.4	10.7	9.0
<b>IRON (BIRM) FILTERS</b>				
7-LETIM-1B	10 x 44	2.7	4.6	6.5
7-LETIM-2B	13 x 54	4.6	7.8	10
7-LETIM-3B	14 x 65	5.4	9.1	10

<sup>1</sup> - Higher flow rates are possible, however lower flow rates produce higher quality water.