



# LANCASTER

## WATER TREATMENT

## CHEMICAL SOLUTION

CHEMICAL FEED PUMPS ARE TYPICALLY INSTALLED IN CONNECTION WITH PRIVATE WELL SYSTEMS TO INTRODUCE CHEMICAL AND MINERAL SOLUTIONS INTO THE WATER SUPPLY FOR TREATMENT. DEPENDING ON THE SOLUTION USED, THE SAME EQUIPMENT CAN ADDRESS MULTIPLE PROBLEMS AT THE SAME TIME: BACTERIA, IRON, MANGANESE, LOW PH, HYDROGEN SULFIDE, ALONG WITH MANY OTHER COMMON WATER QUALITY SYMPTOMS. LANCASTER'S LINE OF CHEMICAL SOLUTION FEEDERS DELIVERS YEARS OF TROUBLE FREE, CONSISTENTLY CLEAN WATER.

### FEATURES

#### SERIES 100

- Reliable metering performance.
- Self priming.
- Bleed Valve Assembly Standard.
- Feed Rate Control.

#### SERIES C

- Circuit Protection against voltage and current upsets.
- Solenoid Protection by thermal overload with auto reset.
- Self priming.
- Optional degassing head.
- High viscosity capability.

#### SERIES XP

- Reliable metering performance.
- Mixed Fluid capable. Inherently degassing.
- Easy tube change-out.
- Self priming.
- Chemical resistant materials.

### SERIES 100

The preferred metering pump for water conditioning professionals around the world. Perfect for applications where economical, consistent performance is required. Providing quiet, consistent metering over long periods of time in a compact form, the Series 100 is the standard by which all other dosing pumps are judged.

### SERIES C

Offers manual online stroke length adjustment to increase/decrease the solution injection rate. Includes a guided ball check valve system to reduce back flow and enhance outstanding safe and easy priming characteristics, with durable leak-free bleed valve assembly. The Series C is simple and reliable, with few moving parts, and is wall mountable.

Also available with degassing head to pump gas producing chemicals, eliminating the need for a bleed valve, and preventing the pump from losing prime due to gas build up.

### SERIES XP

Peristaltic technology delivers worry-free dosing in a modern design. Each and every component is designed and manufactured for optimum reliability and durability. The intuitive interface and controls provide easy operation while the design is virtually maintenance-free.



SERIES 100



SERIES C



SERIES XP

## CHEMICAL SOLUTION

### CHEMICAL SOLUTION PUMPS AND SYSTEM COMPONENTS

#### CHEMICAL SOLUTION FEEDERS

Model No.	Description	Dimensions	Press. Range	Output Capacity	Strokes Per Minute	Elec. Req.	Temp. Limit.	Ship Weight
<b>Residential Pumps</b>								
7-007	Series 100 Metering Pump Only	6.75"x8.75"x7.25"	0-100 PSI	0-7 GPD	13	-1 for 115V 60HZ	125°F Max Pump Components	8 lbs.
7-015				0-15 GPD	25	-1 for 115V 60HZ -2 for 230V 60HZ		
7-024				0-24 GPD	51			
7-030				0-30 GPD	50			
<b>Heavy Duty Pumps</b>								
7-LC54GA	Series C Metering Pump Only	5.0"x9.5"x9.9"	0-80 PSI	0-30 GPD	125	115V 60HZ	Rated "Hot" for continuous Duty	10 lbs.
7-LC54GS-DEGAS	Series C Metering Pump w/Degassing Head	6.2"x8.5"x9.9"			125		Rated "Hot" for continuous Duty	10 lbs.
7-XPO30L2HX	Series XP Metering Peristaltic Pump Only	9.82"x10.915"x8.24"			N/A		104°F Max Pump Components	8 lbs.

HEAVY DUTY METERING PUMPS REQUIRE CONTACTING HEAD WATER METER

#### CONTACTING HEAD WATER METERS

Model No.	Description	IPS Threads	NPT Threads	Ship Weight
MTR10I-P	3/4" Plastic Meter	1"	3/4"	3 lbs.
MTR10I-G	3/4" Brass			6 lbs.

#### SOLUTION TANKS REQUIRED

Model No.	Description	Gallons	Dimensions	Ship Weight
ST-16	Polyethylene Tank	15	14-3/8"x25"	8 lbs.
ST-35		30	18-3/8"x33-1/4"	15 lbs.

#### MOTIONLESS MIXER REQUIRED

Model No.	Pipe Size	Maximum Flow	Dimensions	Ship Weight
MM-2	1" NPT	25 GPM	3-1/8"x13"	2 lbs.

#### RETENTION TANK

Model No.	Pipe Size	Capacity	Dimensions	Ship Weight
RTI20B	1-1/4" and 1-1/2" NPT/Solvent	120 Gal.	21"x78.5"	80 lbs.