DATA SHEET
FOAMERS

The Pumps with Nine Lives

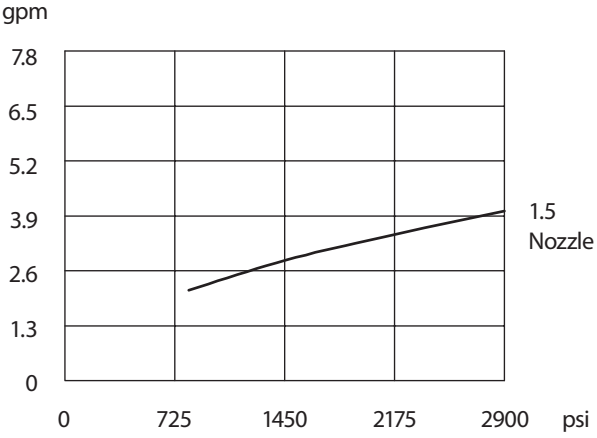
Without Bottle	With 1 Liter Bottle	With 2 Liter Bottle
32017	**39234**	**39196**

COMMON SPECIFICATIONS	U.S.	Metric
Flow Range	2–4 gpm	7.6–15.2 lpm
Pressure Range	750–2900 psi	52–200 bar
Maximum Temperature	140° F	60° C
Inlet Port	¼" BSP(F)	¼" BSP(F)
Weight (32017)	13.7 oz	0.38 kg
Weight (39234)	17.5 oz	0.50 kg
Weight (39196)	19.1 oz	0.54 kg
Dimensions (32017)	11.99 x 2.75"	304.5 x 70 mm
Dimensions (39234)	12.54 x 10.6"	318.5 x 269 mm
Dimensions (39196)	13.16 x 11.2"	334.3 x 309 mm

Note: Use only at above specifications to ensure proper foamer life and performance.

FEATURES

- Durable stainless steel orifice and FPM O-rings ensure chemical compatibility.
- Available in 1 liter and 2 liter sizes to meet various application needs.
- Convenient chemical injector adjustment knob or handle allows adjustment of the chemical draw.
- Lightweight, compact design also provides a comfortable grip.



SELECTION
Select a foamer to match the system flow and pressure requirements and function you are performing.

INSTALLATION
Install the foamer onto any ¼" threaded gun. Use PTFE thread tape or pipe thread sealant to ensure an airtight fit. Attach the tube to the bottom of the adjustable barb under the bottle cover.

OPERATION
Fill the bottle with chemicals and reattach it to the lance by tightening in a clockwise motion. Squeeze the trigger on the gun to allow fluid to flow through the foamer. The foamer will draw air from the foamer nozzle as long as there is a minimum of 870 psi in the pump's discharge line. To vary the amount of chemical draw, use the adjustment knob on Models 39196 and 39234. For Model 32017, use the adjustment handle.

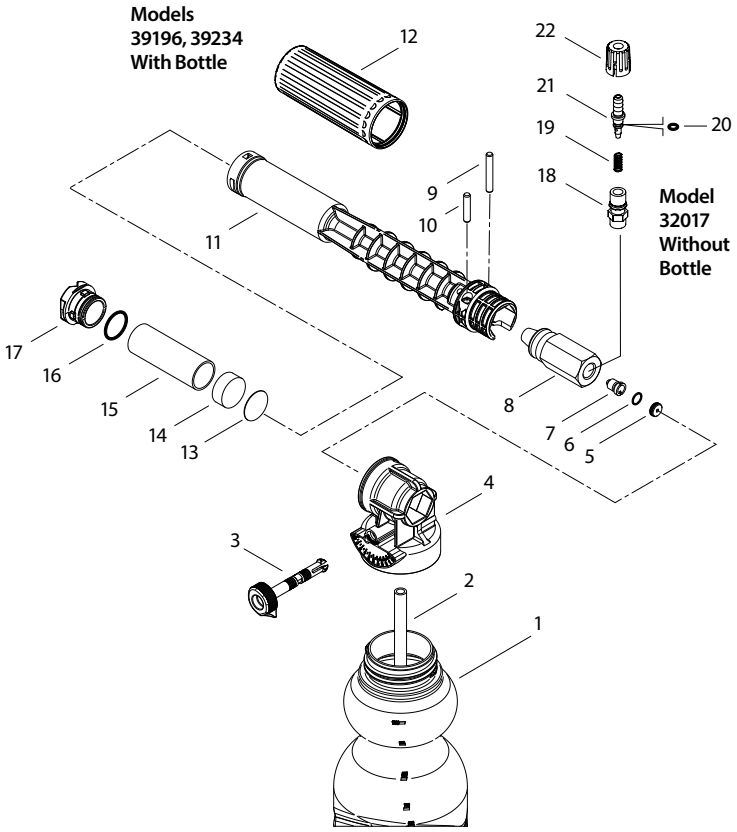
MAINTENANCE
Periodically inspect the injector housing diaphragm and foamer pill. Clean as needed to prevent restriction of flow through the foamer nozzle. Inspect O-rings for cuts or deterioration and replace them as needed. Examine the orifice for wear and replace it as required.

PARTS LIST

ITEM	P/N	MATL	DESCRIPTION	MODEL USED	QTY
1	76391	POP	Bottle, 1 Liter (After 2005)	39234	1
	39391	POP	Bottle, 2 Liter	39196	1
2	—	PVC	Tube, Foamer (5 x 8 x 230mm)	39234	1
	—	PVC	Tube, Foamer (5 x 8 x 270mm)	39196	1
3	31549	—	Knob, Adjustment	39196, 39234	1
4	—	—	Holder, Bottle	39196, 39234	1
5	33217	BB	Retainer, Nozzle	All Models	1
6	33216	NBR	O-Ring, Insert	All Models	1
7	32071	SSS	Orifice (1.5mm)	All Models	1
8	—	BB	Housing, Injector	32017	1
	—	BB	Housing, Injector	39196, 39234	1
9	—	BB	Pin (5 x 34 mm)	39196, 39234	1
10	39291	BB	Pin (5 x 24.5 mm)	32017	2
11	—	—	Lance, Foamer	All Models	1
12	39286	NY	Grip, Foamer	All Models	1
13	39288	S	Diaphragm, Foamer	All Models	1
14	39289	S	Pill, Foamer	All Models	1
15	39290	NY	Spacer, Foamer	All Models	1
16	33568	FPM	O-Ring, Foamer Nozzle	All Models	1
17	—	NY	Nozzle, Foamer	All Models	1
18	33946	BB	Retainer, Injector	32017	1
19	33500	S	Spring	32017	1
20	33955	FPM	O-Ring, Barb	32017	1
21	32941	BB	Barb, Adjustment	32017	1
22	33949	NY R	Handle, Adjustment	32017	1

R Components comply with RoHS Directive.
Material Codes (Not Part of Part No.): BB=Brass FPM=Fluorocarbon
NBR=Medium Nitrile (Buna-N) NY=Nylon POP=Polypropylene
PVC=Polyvinyl Chloride S=304SS SSS=416SS

EXPLODED VIEW



TROUBLESHOOTING

No chemical draw	• Replace adjustable barb • Change nozzle • Clean diaphragm and foamer pill
Leaking around adjustment handle	• O-ring worn • Foreign material in foamer
Leaking at gun connection	• Check injector housing for proper sealant and reconnect gun

⚠ WARNING
SKIN PUNCTURE HAZARD
Do not allow spray to contact any part of the body or animals. Pumped liquids under high pressure can pierce skin and underlying tissue or can deflect debris leading to serious personal injury or death.

1. Relieve all line pressure in the inlet line to the pump and discharge line from the pump before performing any maintenance on the gun.
2. When high-pressure gun is not in use, set safety trigger lock (safety latch) to avoid accidental high-pressure operation and personal injury or property damage.
3. Do not check for leaks with hand. Use a piece of cardboard to check for leaks.
4. Review cleaning procedures to minimize heavy back blasting.
5. Wear adequate safety equipment and clothing when operating a high-pressure sprayer. Never use high-pressure spray with bare feet or exposed skin, and always wear safety glasses.

⚠ CAUTIONS AND WARNINGS
All high-pressure systems require a primary pressure regulating device (e.g. regulator, unloader) and a secondary pressure relief device (e.g. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high-pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high-pressure system. The CAUTIONS and WARNINGS are included in each Service Manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/dynamic-literature/cautions-and-warnings or can be requested directly from Cat Pumps.

WARRANTY
View the Limited Warranty online at www.catpumps.com/literature/cat-pumps-limited-warranty

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