



## No-Spill Technology Stops Inventory Waste

This revolutionary pump delivers unparalleled value and reliability and quickly pays for itself by preventing potentially hazardous spills while assuring precise, measurable flow and RCRA empty containers.

**Simplicity:** A few strokes of the plunger can pressurize any container from 2.5-gallon and 5 gallon containers to 55 gallon drums - with no potential sparking hazards which make electric pumps unsuitable for many users.

**Safety:** Eliminates spills, drips, vapors with concentrate containers in upright positions. These systems also prevents accidents and repetitive motion injuries.

**Economics:** Accurate, efficient measuring of costly liquid inventory eliminates waste and removes the guess work.

**Value:** With the capacity of an electric pump at the cost of a hand pump, GoatThroat's one touch tap system dispenses liquids at a controlled rate to prevent waste, conserve your inventory, and deliver correct amounts every time. Smooth, uncontaminated flow delivers volume up to 4.5 GPM.

**Worker Protection:** Provides safe transfer of liquids and may reduce PPE requirements. Considered best practices equipment by many insurance companies.

**Compliance:** Meets regulations and label requirements; some systems triple rinse containers.

**Robust:** Built to withstand harsh operating conditions. Engineered to last up to 10 years.

## Fits anything, pumps anything

GoatThroat pumps fit any container from 2.5 to 55 gallons and can be transferred quickly and easily from one container to another. Our specialty closed transfer systems meet current and future EPA safety standards.

Three models are available to pump nearly any liquid plant product.\*

- **089919 - GT100 with Nitrile Seals** for oils and liquid plant nutrients
- **089920 - GT200 with EPDM Seals** for wetting agents
- **089921 - GT300 with Viton Seals** for control products and acids

\* Consult GoatThroat compatibility for specifics

## There's nothing like it anywhere!

- Hand-pressurized, easy to use, no spills, leaks or drips
- One touch flow control dispenses precise amounts of liquid every time to conserve your inventory and meet regulations
- Drip and spill proof design helps prevent potentially hazardous spills
- Drains containers dry
- Meets current and future safety regulations for agricultural liquids

## Plant Product Dispensing Made Safe and Easy








# Occupational Health and Safety

## GoatThroat Pumps and Accessories

### See the savings - compare ownership costs

ITEM	ISSUE	ISSUE FREQUENCY	USUAL RESOLUTION	ISSUE COST	REPLACEMENT COST \$\$\$	REPLACEMENT COSTS EXPLANATION	3 YEAR COST	TOTAL COST
<b>GOATTHROAT PUMP AND OPTIONAL PNEUMATIC ADAPTER</b>								
	TAP O-RING FAILS	3 YEARS	REPLACEMENT	\$64.00	\$64.00	PURCHASE ORDER GENERATION	\$64.00	<b>3 year cost = \$164.00</b>
					\$ 100.00		\$100.00	
<small>dated 8/18/2012</small>								
<b>ROTARY PUMP</b>								
	TOO MUCH LIQUID DISPENSED	WEEKLY	LABOR TO POUR EXCESS BACK IN DRUM	\$5.00	N/A		\$780.00	
	PRIMING PUMP	EVERY TIME		\$5.00	N/A		\$780.00	
	PUMP FAILS	ANNUAL	REPLACE		\$ 100.00	PURCHASE ORDER GENERATION	\$300.00	<b>3 year cost = \$1860.00</b>
<b>DRUM PUMP</b>								
	TOO MUCH LIQUID DISPENSED	WEEKLY	LABOR TO POUR EXCESS BACK IN DRUM	\$5.00	N/A		\$780.00	
	WORKER'S ROTATOR CUFF HURTS FROM LIFTING LIQUID	ANNUAL	SEND EMPLOYEE TO DOCTOR; REDUCED HOURS	\$ 250.00	N/A		\$750.00	
	PUMP FAILS	6 MONTHS	REPLACE		\$ 100.00	PURCHASE ORDER GENERATION	\$600.00	<b>3 year cost = \$2130.00</b>

\* Cost Chart for Illustration Purposes only

#### EPDM



No. 089920

#### GT200 - EPDM Pump

- [Wetting agents](#)
- Food Grade
- Fits 5-55 gallon containers
- Up to 4GPM
- Automatic pressure release at 8psi

#### Viton



No. 089921

#### GT300 - Viton® Pump

- [Herbicides and control products](#), biodiesel, oils with additives
- Food Grade
- Fits 5-55 gallon containers
- Up to 4GPM
- Automatic pressure release at 8psig

#### Nitrile



No. 089919

#### GT100 - Nitrile Pump

- [Most liquid plant nutrients and fertilizers](#)
- Food Grade
- Fits 5-55 gallon containers
- Up to 4GPM
- Automatic pressure release at 8psig



#### ADAPTERS For all containers



No. 089923

#### RT200 - EPDM Tap

- Delivers liquids to point of use



No. 089924

#### RT300 - Viton Tap

- Delivers liquids to point of use



No. 089922

#### RT100 - Nitrile Tap

- Delivers liquids to point of use



BGA

- Pneumatic Adapter

GoatThroat Pumps for Agricultural Use

LIQUID	chemical notes	089919 - NITRILE	089920 - EPDM	089921 - VITON
<b>HERBICIDES</b>				
<b>non-selective post emergent</b>				
<b>Glyphos</b>	glyphosate	do not use	do not use	BEST
<b>Glyphos Pro</b>	glyphosate	do not use	do not use	BEST
<b>Glyfos X-TRA</b>	glyphosate	do not use	do not use	BEST
<b>Honcho</b>	glyphosate	do not use	do not use	BEST
<b>Reward</b>	diquat	do not use	do not use	BEST
<b>Rodeo</b>	glyphosate, aquatic weed c	do not use	do not use	BEST
<b>Roundup</b>	glyphosate	do not use	do not use	BEST
<b>Roundup Pro</b>	glyphosate	do not use	do not use	BEST
<b>Roundup QuikPro</b>	glyphosate + diquat	do not use	do not use	BEST
<b>weed grass control</b>				
<b>Envoy</b>	clethodim	do not use	do not use	BEST
<b>Broadleaf Weed Control</b>				
<b>Buena 6</b>		do not use	do not use	BEST
<b>Confront</b>		do not use	do not use	BEST
<b>Cool Power</b>		do not use	do not use	BEST
<b>Dissolve</b>	2,4 d	do not use	do not use	BEST
<b>Drive 75DE</b>	3,7 dichloro 8 quinolinecar	do not use	do not use	BEST
<b>Garlon</b>	Trichlopyr, w	do not use	do not use	BEST
<b>Goal 2XL</b>	oxyfluorfen	do not use	do not use	BEST
<b>Lontrel</b>	clopyralid	do not use	do not use	BEST
<b>Manage</b>	halosulfuron	do not use	do not use	BEST
<b>Masteline Triplet</b>	2,4 d, dicamba, mcpp	do not use	do not use	BEST
<b>MCPP</b>	4 amine	do not use	do not use	BEST
<b>Mecomec 2.5</b>	mcpp	do not use	do not use	BEST
<b>Mecomec 4</b>	mcpp	do not use	do not use	BEST
<b>Millenium Ultra</b>	2,4 D,+ clopyralid + dicamb	do not use	do not use	BEST
<b>Powerzone</b>	carfentrazone ethyl, mcpa,	do not use	do not use	BEST
<b>Quick Silver</b>	carfentrazone ethyl,	do not use	do not use	BEST
<b>Speedzone St. August</b>	carfentrazone ethyl, mcpa,	do not use	do not use	BEST
<b>Transline</b>	clopyralid,	do not use	do not use	BEST

LIQUID	chemical notes	089919 - NITRILE	089920 - EPDM	089921 - VITON
<b>HERBICIDES</b>				
<b>Broadleaf Weed Control</b>				
<b>Trimec</b>	2 4 d,+ dicamba + ,mecop	do not use	do not use	BEST
<b>Turflon Ester</b>	Trichlopyr	do not use	do not use	BEST
<b>Weedar 64</b>	2,4 D	do not use	do not use	BEST
<b>Weed-hoe 108</b>	msma	do not use	do not use	BEST
<b>Pre-Emergent Herbicides</b>				
<b>Barricade</b>	prodiamine	do not use	do not use	BEST
<b>Dimension</b>	dithiopyr	do not use	do not use	BEST
<b>Hyvar</b>	bromacil	do not use	do not use	BEST
<b>Pennant Magnum</b>	s-metoachlor	do not use	do not use	BEST
<b>Princep</b>	simazine	do not use	do not use	BEST
<b>Surflan AS</b>	oryzalin	do not use	do not use	BEST
<b>Aquatic Weed and Algae Control</b>				
<b>Aquamaster</b>	glyphosate	do not use	do not use	BEST
<b>Aquathol</b>	dipotassium endothal	do not use	do not use	BEST
<b>Glyfos Aquatic</b>	glyphosate	do not use	do not use	BEST
<b>Greenshield CA</b>		do not use	do not use	BEST
<b>Nautique</b>	copper carbon	do not use	do not use	BEST
<b>Reward</b>	diquat	do not use	do not use	BEST
<b>Rodeo</b>	glyphosate	do not use	do not use	BEST
<b>FUNGICIDES</b>				
<b>Blocker 4F</b>	pcnb	do not use	do not use	BEST
<b>Chipco 26GT</b>	iprodione 1,2-propanediol	do not use	do not use	BEST
<b>Clearys 3336</b>	thiophanate-methyl	do not use	do not use	BEST
<b>Kaligreen</b>	organic, potassium bicarb	BEST	BEST	BEST
<b>Bordeaux Mixture</b>	hydrated lime + copper	BEST	BEST	BEST
<b>RD-20</b>	surface disinfectant	do not use	do not use	BEST
<b>Banner Maxx</b>	propiconazole	do not use	BEST	BEST
<b>Kocide</b>	copper hydroxide	do not use	do not use	BEST
<b>Phyton 27</b>	copper sulfate pentahydrat	BEST	BEST	BEST
<b>Ultra Fine Oil</b>		BEST	do not use	BEST
<b>Zerotol</b>		do not use	do not use	BEST

GoatThroat Pumps for Agricultural Use

LIQUID	chemical notes	089919 - NITRILE	089920 - EPDM	089921 - VITON
<b>VECTOR (Mosquito Control)</b>				
Golden bear 1111	Aliphatic Petroleum Hydrocarbons	do not use	do not use	BEST
BVA 2	"Highly refined" oils - mineral oil	do not use	do not use	BEST
MMF Agnique	alcohol ethoxylated surfactant	do not use	do not use	BEST
Pyrenone 25-5	Natural Pyrethrum 5% and Pivoronyl Butoxide	GOOD	do not use	BEST
Simple Green		GOOD	do not use	do not use
Vectobac 12 AS	Bacillus Thuringiensis israelensis (Bti)	GOOD	do not use	BEST
4% and 30%	synthetic permethrin with Aliphatic Hydrocarbons	do not use	do not use	BEST
<b>General Use Turf &amp; Ornamental Insecticides</b>				
Astro	permetethrin	do not use	do not use	BEST
Dragnet	permetethrin	do not use	do not use	BEST
Prelude	permethrin	do not use	do not use	BEST
Kelthane	dicofol	do not use	do not use	BEST
Malathion		do not use	do not use	BEST
Pylon	pyrrole (chlorfenapyr	do not use	do not use	BEST
Triact 70	neem oil extract	do not use	do not use	BEST
<b>DISINFECTION</b>				
Greenshield		do not use	do not use	BEST
Greenshield CA		do not use	do not use	BEST

LIQUID	chemical notes	089919 - NITRILE	089920 - EPDM	089921 - VITON
<b>Plant Growth Regulators</b>				
Atrimmec	atralin			
B-Nine	daminozide			
Bonzi	substituted triaole			
Cycocel	chlormequat			
Embark	mefluidide			
Florel	ethephon			
Hyvol	isopropyl ester 2, 4 D			
Maintain CF 125	methychlorohydroxyfluorene carboxylate			
Primo Maxx	trinexapac-ethyl			
ProGibb T&O	giberellic acid			
Proxy	ethephon			
Sumagic	uniconazole p			
<b>Golf Course Liquids</b>				
AQUA AID LIQUID Penetrating Wetting Agent		do not use	BEST	do not use
AQUA ROOT		do not use	BEST	do not use
AQUIFER LIQUID (Aqua Aid)		do not use	BEST	do not use
CASCADE Plus Deeper Roots		do not use	BEST	do not use
CONDUITE 90		do not use	BEST	do not use
FWY-ISP LIQUID Injectable Soil Penetrant		do not use	BEST	do not use
Hotricultural Oil		BEST	do not use	do not use
Hydraulic Oil		BEST	do not use	do not use
IRON MAX 6% 15-0-0		BEST	do not use	BEST
NITRO-30 SNR 30-0-0		BEST	do not use	BEST
pH REDUCER Citric Acid Solution		BEST	BEST	BEST
THE CLASSIC 18-2-6 liquid fertilizer		BEST	do not use	BEST
TKO PHOSPHITE 0-29-29		BEST	BEST	BEST
X-XTRA IRON 6-0-0		BEST	do not use	do not use