



## Data Sheet

### **Manufactured in the USA by:**

Westcott Distribution Inc.

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**Trade Name** GoatThroat is a registered trademark of Westcott Distribution Inc. with the US Patent and Trademark Office.

### **CONSTRUCTION:**

- All GoatThroat pumps and taps are made of polypropylene with different elastomers for different models.
- Elastomers include Nitrile (Buna), EPDM, Santoprene, Viton, FFMK. Please refer to GT Chemical Guide on line for latest compatibility information.
- Screws and springs are 304 SS.
- Wetted parts are polypropylene and the elastomer of the pump.
- Other materials are available for special applications including Hastelloy and Celcon Acetal.

### **PRESSURE:**

- 2- 4 Strokes will reach operating pressure of 2 - 4 psig in a full 5-Gallon container
- 12 strokes will reach operating pressure of 2 - 4 psig in a full 55-Gallon container

### **FLOW RATES**

- Up to 4.5 Gallons Per Minute, depending on operating viscosity and pressure

### **VISCOSITY**

- Operates easily between 1 and 300 CS (centistokes), 1 - 1400 SSU, 1 - 270 cP (centipoise)

### **TEMPERATURE**

- Storage: -4 deg F to +122 deg F
- Operating: +32 deg F to + 110 deg F
- Fluid temperature not to exceed 120 deg F

### **CYCLE LIFE**

- Tested to 10,000 cycles

### **SAFETY FEATURES**

- External pressure release valve must be opened by hand before removing pump from container
- Standard pump: Internal pressure relieve valve opens automatically if container pressure exceeds 8psig
- Groundable pump: Internal pressure relieve valve opens automatically if container pressure exceeds 6psig

### **DANGER FROM MISUSE WARNING**

Read the entire Users Manual prior to use of any Equipment. The user is cautioned not to exceed the container manufacturer's recommended maximum pressure. Danger of container bursting is possible if this caution is ignored. Westcott Distribution Inc. is not responsible for personal or property damage resulting from misuse of its products.



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### MODELS/PART NUMBERS

- **FOOD GRADE PUMPS.** Please refer to chemical guide for fluid/pump compatibility.
  - **GT100 (RED)** GoatThroat Pump with Nitrile Seals, o-rings, check-valves
  - **GT200 (BLUE)** GoatThroat Pump with EPDM Seals, o-rings, check-valves
  - **GT200S(BLACK)** GoatThroat Pump with Santoprene Seals, EPDM o-rings, check-valves
  - **GT300(GREEN)** GoatThroat Pump with Viton Seals, o-rings, check-valves
  - **ADDITIONAL NOTES:** These pumps come with a fitting for a 2" NPT opening which is standard on most drums.
  
- **FOOD GRADE REMOTE TAPS** for point of use delivery of fluids. Please refer to chemical guide for fluid/pump compatibility.
  - **RT100 (RED)** Remote Tap with Nitrile Seals, o-rings
  - **RT200 (BLUE)** GoatThroat Pump with EPDM Seals, o-rings
  - **RT200S (BLACK)** GoatThroat Pump with Santoprene Seals, EPDM o-rings
  - **RT300(GREEN)** GoatThroat Pump with Viton Seals, o-rings, 5 feet
  - **ADDITIONAL NOTES:** Food grade hosing selections are PVC, Tygon 2375 and Tygon 200SE.
  
- **SYSTEMS FOR FLAMMABLE LIQUIDS - GROUNDABLE\***
  - **SCP100 (RED)** GoatThroat Groundable Pump with Nitrile Seals
  - **SCP200 (BLUE)** GoatThroat Groundable Pump with EPDM Seals
  - **SCP200S(BLACK)** GoatThroat Groundable Pump with Santoprene Seals
  - **SCP300(GREEN)** GoatThroat Groundable Pump with Viton Seals
  - **SCP-RT100 (RED)** GoatThroat Groundable Pump and Discharge Nozzle with Nitrile Seals
  - **SCP-RT 200 (BLUE)** GoatThroat Groundable Pump and Discharge Nozzle with EPDM Seals
  - **SCP-RT 200S(BLACK)** GoatThroat Groundable Pump and Discharge Nozzle with Santoprene and EPDM Seals
  - **SCP-RT300(GREEN)** GoatThroat Groundable Pump and Discharge Nozzle with Viton Seals
  - **ADDITIONAL NOTES:**
    - These pumps come with a fitting for a 2" NPT opening which is standard on most drums.
    - Hosing selections are PVC, Tygon 2375, Tygon 200SE, Gas Grade, Viton and others upon request to match chemical compatibility.
  
- **USEFUL ACCESSORIES**
  - **BGA** - Pneumatic Adapter allows the pump to be used with compressors or plant air.
  - **Buttress adapters** – for thick threaded bungs on drums in 2.25", 2.5", 2.75"
  - **Reike pour spout adapters** – For use with 5 gallon pails with Reike Pour Spout

\*Not Food Grade



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### COST-BENEFITS IN TANGIBLE TERMS

- Life expectancy on each pump is approximately 10 years. Depending on model, annual cost is between \$25 and \$45 per year. Cost savings are realized by not purchasing a new pump once or twice a year.
- The set up of these pumps allows low pressure (<6 PSI) to be built up in the vessel; the power of the pressure moves the fluid. Therefore, there are fewer worker injuries than with other hand pumps which require continuous, repetitive action to move fluids.
- Because of the construction of the pumps, there are no VOC emissions. This means no inventory loss through evaporation.
- This pump does not leak. Cost saving are realized by no loss of inventory as well the labor time to clean up the leaks.
- There is no chance for a spill because the drum is used in the upright condition. This means there is no chance for a spill hazard, along with the associated costs and possible EPA reporting requirements which are time consuming.
- When the barrel or container is empty, these pumps make the drums RCRA empty. This is very cost effective as there is virtually no fluid inventory thrown away. Additional cost savings are realized by the reduced cost of recycling the drums.
- The tap configuration, which is spring actuated, allows precise control over fluid delivery, from slow (1ML/ 1 oz) up to 4.5 gallons per minute, depending on viscosity. This eliminates inventory loss from over-delivering fluids.
- With the remote tap setup, a single operator is able to deliver fluids in a controlled manner at a distance of up to 10 feet from drum. Cost savings are realized because only one operator is required.
- As compared to an electric pump, the pump with a shop air adapter costs about half and has a longer life expectancy. Repair of electric pumps are very costly.
- GoatThroat Pumps are very easy to repair, with simple o-ring replacement ever 3-5 years, so the pumps don't need to be thrown away. This reduces what is put in the landfill which is sustainable.
- Before GT pump, typically a 5 gallon pails is lifted and liquids are poured into smaller vessels, and there is nearly always associated spills. GoatThroat pumps deliver fluids from a 5 gallon container in its upright condition, eliminating both spills and the worker's back problems.



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### UNIQUE TECHNICAL FEATURES

#### GoatThroat Pumps

- Containers remain in upright position eliminating tipping of 350 lb. barrel on it's side to dispense
- Work as a hand pump or pneumatically with compressors/shop air.
- Use low pressure (<5psi) to deliver fluids.
- Have internal pressure relief at 6-10 psi, which meets U.N. safety standards for dangerous goods drums
- SCP Groundable line is Pressure Equipment Directive 97/23/EC (PED) Compliant
- Deliver fluid in a steady stream with no pulsing or fluid shear
- Have finger tip control of fluid for dispensing fluids when needed.
- Isolate the drum contents from the outside air, which eliminates evaporation and contamination of the fluid.
- Have standard fittings in the kit which allow the pumps to be used with containers from 5 gallon containers to 55 gallon drums. These standard fittings include:
  - Options of 3 different rubber drum gaskets : 1.81", 2.0" and 2.25", 1 polypropylene fitting for 2" NPT thread, 4 siphon tubes, 3 connectors and 1 foot piece to get to the bottom of a 55 gallon drum, 6-gram package of Molykote 111.
- Have all polypropylene construction, with stainless steel 304 springs and screws, and one of the following elastomers: Nitrile, EPDM, Santoprene, Viton
- Drain drums to RCRA Empty specifications
- RoHS compliant
- SCP Groundable line is NFPA30-2015 Compliant
- SCP Groundable line is NFPA77 Compliant
- Have optional accessories allow pump to be
  - connected to remote discharge tap for fluid delivery from up to 50 feet from drum
  - used with shop air or field operated with compressed air tank or 12 or 24 vdc compressor
  - setup with multiple pumps working off of one single shop-air line

### MANUFACTURER INFORMATION

Westcott Distribution Inc. is the manufacturer of GoatThroat Pumps. Pumps are manufactured and assembled in the USA. This New York State Corporation is a woman owned and operated small business. Westcott Distribution Inc is the sole manufacturer of this product in the world.