G30 METALLIC PUMP
TECHNICAL DATA SHEET

SERIES

NATURAL GAS PUMPS
CSA certified to ANSI LC6 standard and Canadian Technical Letter No. R-14 for operation using sweet or sour natural gas

PERFORMANCE

SUCTION / DISCHARGE PORT SIZE
- 3” NPT or 3” BSP Tapered
- 3” ANSI Flange or 80 DIN Flange

CAPACITY
- 0 to 285 gallons per minute (0 to 1079 LPM)

AIR DISTRIBUTION VALVE
- No-lube, no-stall design

SOLIDS-HANDLING
- Up to .38 in. (9.65mm)

HEADS UP TO
- 100 psi or 231 ft. of water
  (7 bar or 70 meters)

MAXIMUM OPERATING PRESSURE
- 100 psi (7 bar)

DISPLACEMENT/STROKE
- .94 Gallon / 3.56 liter

WEIGHTS
- Aluminum 116 lbs. (53kg)
- Stainless Steel 194 lbs. (87kg)

DIMENSIONS

SUCTION PORT
- 3” NPT (3” BSPT)

DISCHARGE PORT
- 3” NPT (3” BSPT)

5 YEAR LIMITED PRODUCT WARRANTY
5 Year Guarantee for defects in material or workmanship. See sandpiperpump.com/content/warranty-certifications for complete warranty, including terms and conditions, limitations and exclusions.

USE ONLY GENUINE SANDPIPER PARTS
All certification, standards, guarantees & warranties originally supplied with this pump will be invalidated by the use of service parts not identified as “Genuine SANDPIPER Parts.”

SANDPIPER
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Springer Pumps www.springerpumps.com
Springer Parts www.springerparts.com
# EXPLANATION OF PUMP NOMENCLATURE

Your Model #: **G**

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<th>Pump Size</th>
<th>Check Valve</th>
<th>Design Level</th>
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<th>Check Valve Seat</th>
<th>Non-Wetted Material</th>
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<tr>
<td>T</td>
<td>PTFE-Nitrile/PTFE</td>
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<td>S</td>
<td>Stainless Steel</td>
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<tr>
<td>B</td>
<td>Nitrile/Nitrile</td>
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## PUMP BRAND
- **G**: Gas Operated

## PUMP SIZE
- 30" 3" 150 Leslie

## CHECK VALVE TYPE
- **B**: Ball

## DESIGN LEVEL
- 1 Design Level

## WETTED MATERIAL
- **S**: Stainless Steel
- **A**: Aluminum

## DIAPHRAGM/CHECK VALVE MATERIALS
- **B**: Nitrile/Nitrile

## NON-WETTED MATERIAL OPTIONS
- **A**: Painted Aluminum
- **B**: Unpainted Aluminum with Stainless Steel Gas Valve
- **D**: Unpainted Aluminum with Stainless Steel Gas Valve with FKM O-rings
- **X**: Unpainted Aluminum
- **0**: Unpainted Aluminum/FKM Elastomers
- **V**: Unpainted Aluminum/FKM Elastomers
- **S**: Stainless Steel/ 502/304 SS Hardware
- **T**: Stainless Steel/ 316 Stainless Hardware
- **7**: Painted Stainless Steel

## MATERIALS

### Material Profile:

- **CONDUCTIVE ACETAL**: Tough, impact resistant, ductile. Good abrasion resistance and low friction surface. Generally inert, with good chemical resistance except for strong acids and oxidizing agents.
- **EPDM**: Shows very good water and chemical resistance. Has poor resistance to oils and solvents, but is fair in ketones and alcohols.
- **FKM (FLUOROCARBON)**: Shows good resistance to a wide range of oils and solvents; especially aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Hot water or hot aqueous solutions (over 70°F(21°C)) will attack FKM.
- **HYTREL**: Good on acids, bases, amines and glycols at room temperatures only.
- **NEOPRENE**: All purpose, Resistance to vegetable oils. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters and nitro hydrocarbons and chlorinated aromatic hydrocarbons.
- **NITRILE**: General purpose, oil-resistant. Shows good solvency, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like ketone and MEX, ozone, chlorinated hydrocarbons and nitro hydrocarbons.
- **NYLON**: 6/6 High strength and toughness over a wide temperature range. Moderate to good resistance to fuels, oils and chemicals.

### Operating Temperatures:

<table>
<thead>
<tr>
<th>Material</th>
<th>Max. Temperature</th>
<th>Min. Temperature</th>
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</thead>
<tbody>
<tr>
<td><strong>CONDUCTIVE ACETAL</strong></td>
<td>190°F</td>
<td>-20°F</td>
</tr>
<tr>
<td><strong>EPDM</strong></td>
<td>250°F</td>
<td>-40°F</td>
</tr>
<tr>
<td><strong>FKM (FLUOROCARBON)</strong></td>
<td>350°F</td>
<td>-40°F</td>
</tr>
<tr>
<td><strong>HYTREL</strong></td>
<td>220°F</td>
<td>-20°F</td>
</tr>
<tr>
<td><strong>NEOPRENE</strong></td>
<td>250°F</td>
<td>-10°F</td>
</tr>
<tr>
<td><strong>NITRILE</strong></td>
<td>190°F</td>
<td>-10°F</td>
</tr>
<tr>
<td><strong>NYLON</strong></td>
<td>180°F</td>
<td>32°F</td>
</tr>
</tbody>
</table>

### Maximum and Minimum Temperatures:

- **GAS OPERATED**: A thermoplastic polymer. Moderate tensile and flex strength. Resists strong acids and alkali. Attacked by chlorine, fuming nitric acid and other strong oxidizing agents.
- **POLYPROPYLENE**: A thermoplastic polymer. Moderate tensile and flex strength. Resists strong acids and alkali. Attacked by chlorine, fuming nitric acid and other strong oxidizing agents.
- **PVDF**: (Polyvinylidene Fluoride) A durable fluoropolymer with excellent chemical resistance. Excellent for UV applications. High tensile strength and impact resistance.
- **SANTOPRENE**: Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.
- **URETHANE**: Shows good resistance to abrasives. Has poor resistance to most solvents and oils.
- **VIRGIN PTFE**: (PFA/TFE) Chemically inert, virtually impervious. Very few chemicals are known to chemically react with PTFE. Excellent alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures.

### Metals:
- **ALLOY C**: Equal to ASTM494 CW-12M-1 specification for nickel and nickel alloy.
- **STAINLESS STEEL**: Equal to or exceeding ASTM specification A473 CF-8M for corrosion resistant iron, chromium, iron-chromium nickel and nickel based alloy castings for general applications. Commonly referred to as 316 Stainless Steel in the pump industry.

### OFFICIAL ELASTOMER/REINFORCED TUBE OPTIONS:

- **PUMP STYLE**: S Standard
- **MUFFLER OPTIONS**: X No Muffler Permitted *

### NOTE:
- See service manual for ATEX details.