### Introduction

Anderson-Negele’s RZU series flowmeter is a utility version of the industry accepted Accurate RZ series sanitary flowmeter. A lack of polish has made this rugged design suitable for use on corn sweeteners, oils and other products which do not require a 3A approved flowmeter. The RZ2AU provides the same single moving part design and the same high accuracy performance of its sanitary counterpart making it an attractive replacement for maintenance prone mechanical meters. Measurement is based on the principle of a chamber and rotating piston which create several internal chambers which are alternately filling and emptying as the piston moves in a circular path within the chamber, sensing of the piston’s position and movement provides the information necessary to measure the exact volume of liquid which has passed through the flowmeter. Measuring accuracy of ± .15% over operational range is achieved through quality manufacturing of a proven precision design. Coupling the simplicity of the measuring chamber with a fully electronic transducer, the RZ2AU can provide years of maintenance free, accurate service.

For more information on this flowmeter, or any of our Accurate flow products, visit www.anderson-negele.com or call our Customer Service Department at 1-800-833-0081.

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
<td>· Electronic sensing of rotary piston eliminates all rotating shafts and seals found in industrial meters</td>
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<tr>
<td>· ± .15% accuracy over flow range</td>
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<td>· One moving part eliminates regular maintenance needs</td>
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<table>
<thead>
<tr>
<th>Applications</th>
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<tbody>
<tr>
<td>· Water</td>
</tr>
<tr>
<td>· Corn Syrup</td>
</tr>
<tr>
<td>· High Fructose</td>
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<tr>
<td>· Molasses</td>
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<td>· Vegetable/Edible Oils</td>
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Specifications

ENVIRONMENTAL SPECIFICATIONS

Power / Signal
Voltage: 12-24 VDC, 0.8 Watts
Signal Output: Unscaled, Pulsed Output - 11-22 VDC
Max. Output Frequency: No greater than 61Hz at maximum flow rate

OPERATIONAL SPECIFICATIONS

Flow Range on Water: 20 - 120 GPM
Accuracy: +0.15% Over Entire Flow Range
Repeatability: +0.05%
Maximum Product Temp: 200°F / 93°C
Maximum Inlet Pressure: 85 psi/5.9 bar
Maximum Allowable Pressure Drop: 45 psi/3.1 bar

MATERIAL / CONSTRUCTION

Housing: 316L Stainless Steel
Piston: CIP-O-Plast (Food Grade Synthetic Polymer)
Wetted Parts: 316L Stainless Steel & CIP-O-Plast
Process Connection: 2" Tri-Clamp

METER FLOW RANGES

<table>
<thead>
<tr>
<th>MODEL</th>
<th>METER SIZE</th>
<th>SANITARY CLAMP CONNECTION</th>
<th>WATER (1 cps)</th>
<th>LIGHT OILS (100 cps)</th>
<th>HFCS-55 (450 cps)</th>
<th>CORN SYRUP (5000 cps)</th>
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<tbody>
<tr>
<td>RZ-2AU</td>
<td>2&quot;</td>
<td>2&quot;</td>
<td>20-120</td>
<td>5-100</td>
<td>5-90</td>
<td>2-25</td>
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Order Information

OUTPUT
01 Transducer - 24 VDC
02 Transducer - Duty-Cycle Pulse Width - 24 VDC

CABLE
000 No cable*
025 25' cable
050 50' cable
075 75' cable
100 100' cable

* Use for cable lengths over 100'

REPLACEMENT PARTS

Part Number Description
RZ32-2 2" CIP-O-Plast Piston
RZ32-92-24V 2" Transducer - 24VDC
RZ32-92-MPW-24V 2" Transducer - Duty-Cycle Pulse Width 24VDC
0-265 2" Face Plate O-Ring