SERIES RVT RELIEF VALVE
ANGLE PATTERN VALVE WITH HIGH PRESSURE AND FLOW RATES

Set Pressure Range: 5-125 PSI / .34-8.6 BAR
Maximum Inlet Pressure: 150 PSI / 10.3 BAR
For higher pressures, consult factory.

FEATURES:
- PTFE shaft prevents chatter and sticking.
- Triple U-cup seal isolates spring, provides added safety.
- Patented Fail-Dry® advance warning vent allows maintenance to be scheduled conveniently, without costly shut-down.
- Angle pattern offers compact size and convenient piping.
- 1/2” through 2" pipe sizes.
- No wetted metal parts.

DESIGN:
Series RVT angle pattern pressure relief valve features a solid, non-sticking PTFE shaft passing through three U-cup seals. It is a proven, high performance relief valve providing rugged dependability for acids and other highly corrosive liquids. Relief setting is infinitely adjustable from 5 psi to 125 psi. Maximum inlet pressure is 150 psi. Not recommended for salt solutions and other liquids that can crystallize.

MATERIALS OF CONSTRUCTION:
Available in PVC, CPVC, Natural Polypropylene, PVDF and PTFE. Seals are available in EPDM or FKM (Viton®). For alternate body, seal materials, or coated fasteners, consult factory. The adjusting bolt, lock, nut and fasteners are stainless steel. The control spring is plated steel. No metal parts are in contact with liquid.

### Series RVT Model Numbers

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>Model No.</th>
<th>POLYPRO Model No.</th>
<th>PVDF Model No.</th>
<th>PTFE Model No.</th>
<th>CPVC Model No.</th>
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<td>RVT050V-PP</td>
<td>RVT050V-PF</td>
<td>RVT050V-TF</td>
<td>RVT050V-CP</td>
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Distributed by NORMAN EQUIPMENT COMPANY 800-323-2710

1384 Pompton Avenue, Cedar Grove, NJ 07009 USA
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ISO9001:2015 REGISTERED COMPANY
**PRODUCT DATA**

**RVT-0718-C-2**

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**ADJUSTING BOLT**

**SPRING**

**PTFE SHAFT**

**INLET**

**LOCK NUT**

**SPRING GUIDE**

**U-CUPS (3)**

**FAIL DRY VENT**

**ELASTOMERIC SEAL**

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**Range:**

5-125 psi set

150 psi max. inlet

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**Series RVT Dimensions**

<table>
<thead>
<tr>
<th>NPT or BSP</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
<td></td>
<td>in.</td>
<td>mm.</td>
<td>in.</td>
<td>mm.</td>
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<tr>
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**RVT050 FLOW CHARACTERISTICS**

**TESTED WITH CITY WATER**

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[Graph showing flow characteristics]

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PLAST-O-MATIC

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ISO9001:2015 REGISTERED COMPANY
RVT150 FLOW CHARACTERISTICS
TESTED WITH CITY WATER

RVT200 FLOW CHARACTERISTICS
TESTED WITH CITY WATER