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.

<table>
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<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>
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1384 Pompton Avenue, Cedar Grove, NJ 07009 USA  
(973) 256-3000 • Fax (973) 256-4745 • www.plastomatic.com  
ISO9001:2015 REGISTERED COMPANY
ADJUSTING BOLT
LOCK NUT
SPRING GUIDE
U-CUPS (3)
FAIL DRY VENT
ELASTOMERIC SEAL

Range:
5-125 psi set
150 psi max. inlet

Series RVT Dimensions

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<th>NPT</th>
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<th>B</th>
<th>C</th>
<th>D</th>
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RVT050 FLOW CHARACTERISTICS
TESTED WITH CITY WATER
RVT075 FLOW CHARACTERISTICS
TESTED WITH CITY WATER

RVT100 FLOW CHARACTERISTICS
TESTED WITH CITY WATER
RVT150 FLOW CHARACTERISTICS
TESTED WITH CITY WATER

RVT200 FLOW CHARACTERISTICS
TESTED WITH CITY WATER