

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



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.

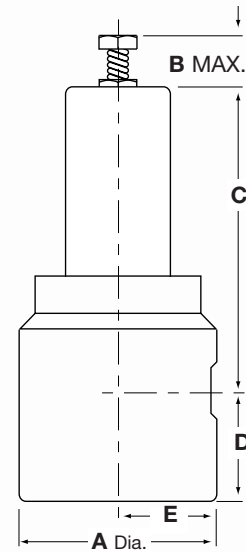
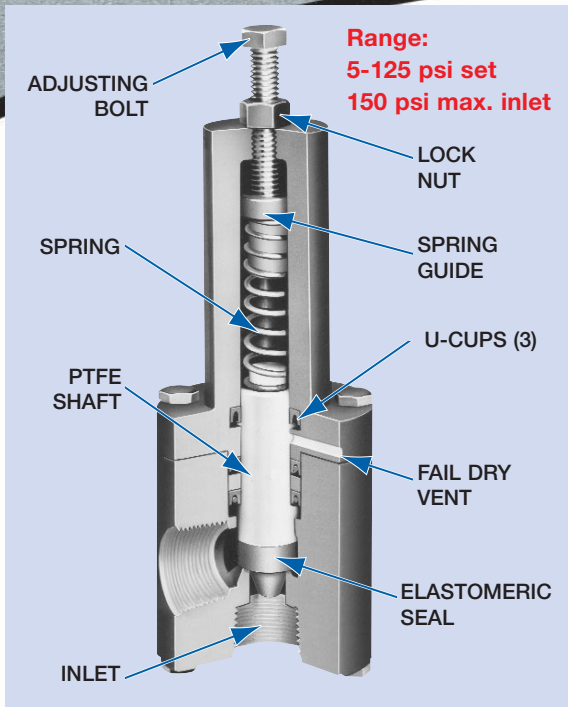
MATERIALS OF CONSTRUCTION:

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

PIPE SIZE	Model No.	POLYPRO Model No.	PVDF Model No.	PTFE Model No.	CPVC Model No.
1/2	RVT050V-PV	RVT050V-PP	RVT050V-PF	RVT050V-TF	RVT050V-CP
3/4	RVT075V-PV	RVT075V-PP	RVT075V-PF	RVT075V-TF	RVT075V-CP
1	RVT100V-PV	RVT100V-PP	RVT100V-PF	RVT100V-TF	RVT100V-CP
1 1/4	RVT125V-PV	N/A	N/A	N/A	N/A
1 1/2	RVT150V-PV	RVT150V-PP	RVT150V-PF	RVT150V-TF	RVT150V-CP
2	RVT200V-PV	RVT200V-PP	RVT200V-PF	RVT200V-TF	RVT200V-CP

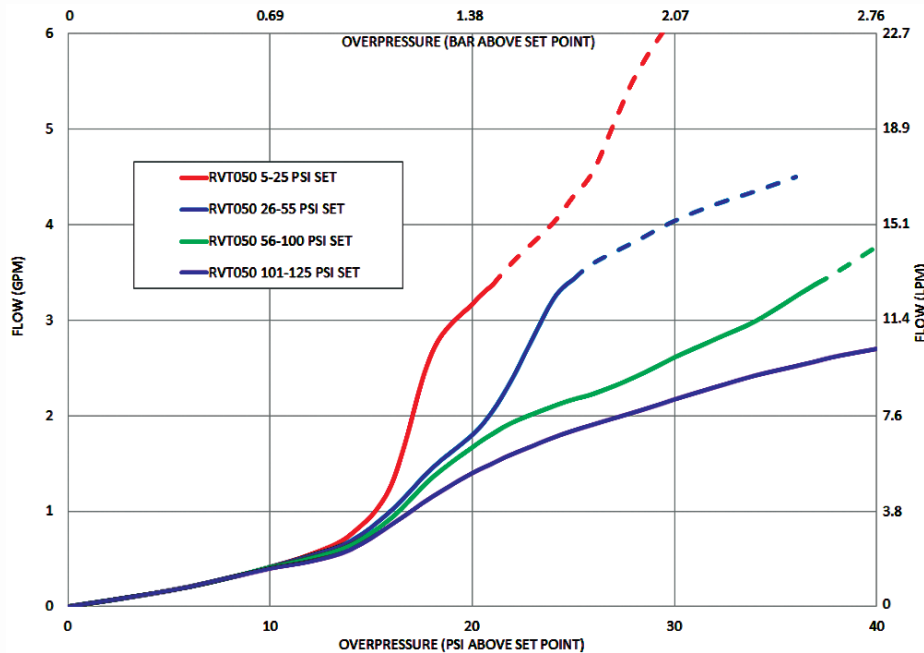
3" Size see page 5



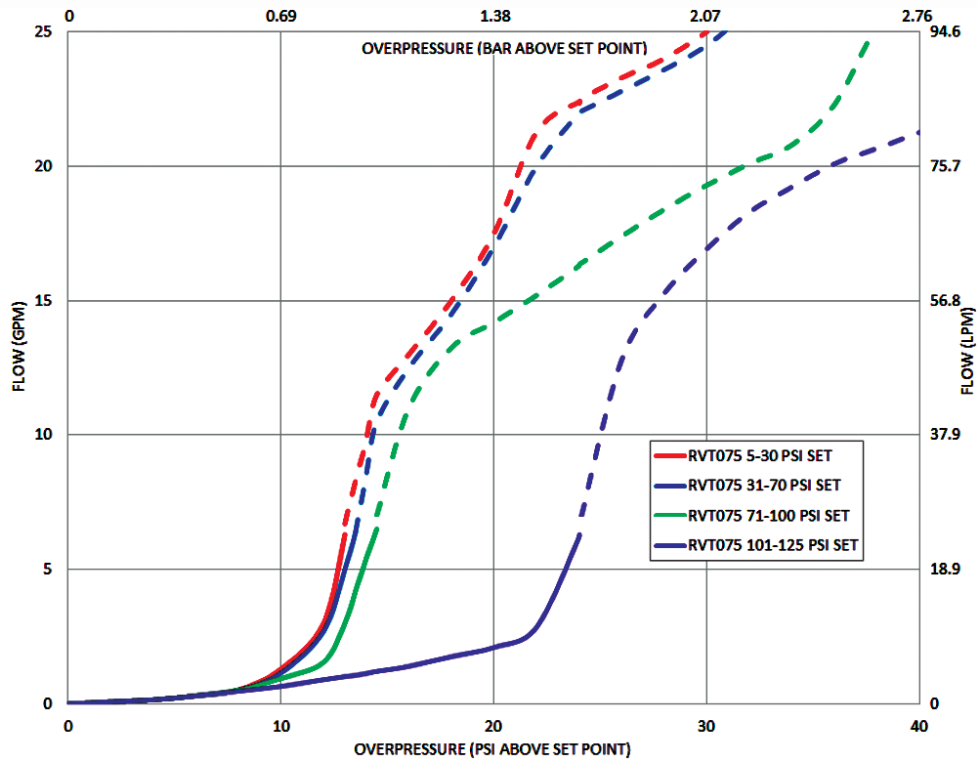
Series RVT Dimensions

NPT or BSP	A		B		C		D		E	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.
1/2	2.5	63.0	2.0	50.0	5	127.0	1.25	31.0	1.25	31.0
3/4	3	76.0	2.25	57.0	5.375	137.0	1.25	31.0	1.5	38.0
1	3	76.0	2.25	57.0	5.562	141.0	2	51.0	1.5	38.0
1 1/4	4	101.6	2.5	63.5	7.625	193.6	2	50.8	2	50.8
1 1/2	4.5	114.0	3.875	98.0	7.125	181.0	2.25	57.0	2.25	57.0
2	5.5	140.0	3.875	98.0	8.5	216.0	2.625	67.0	2.75	70.0

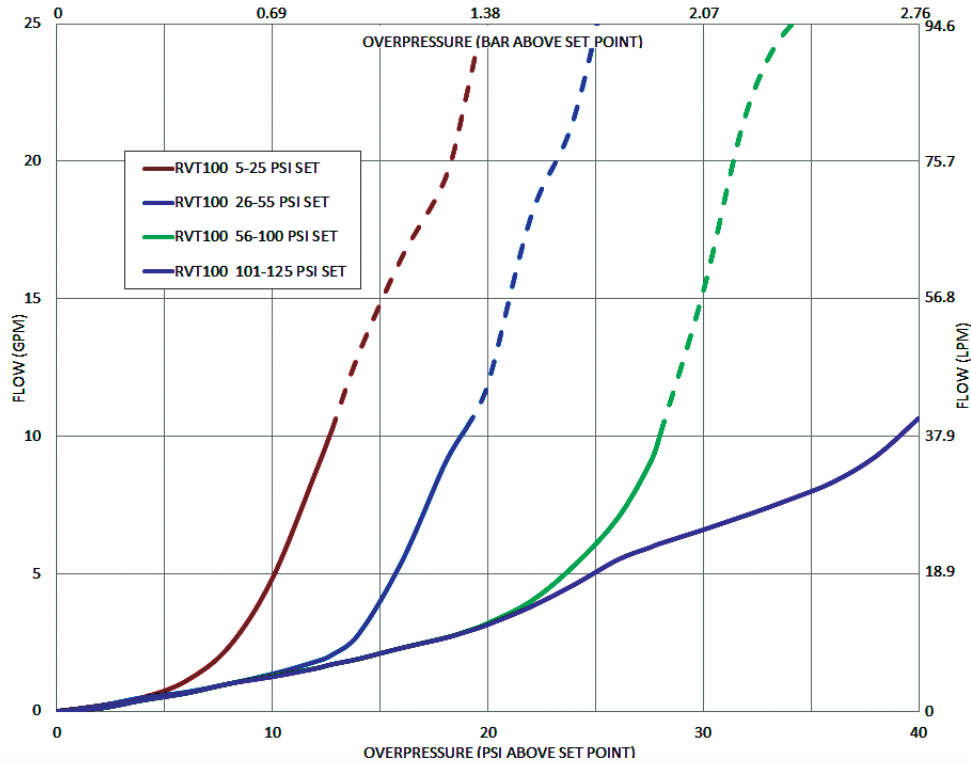
RVT050 FLOW CHARACTERISTICS TESTED WITH CITY WATER



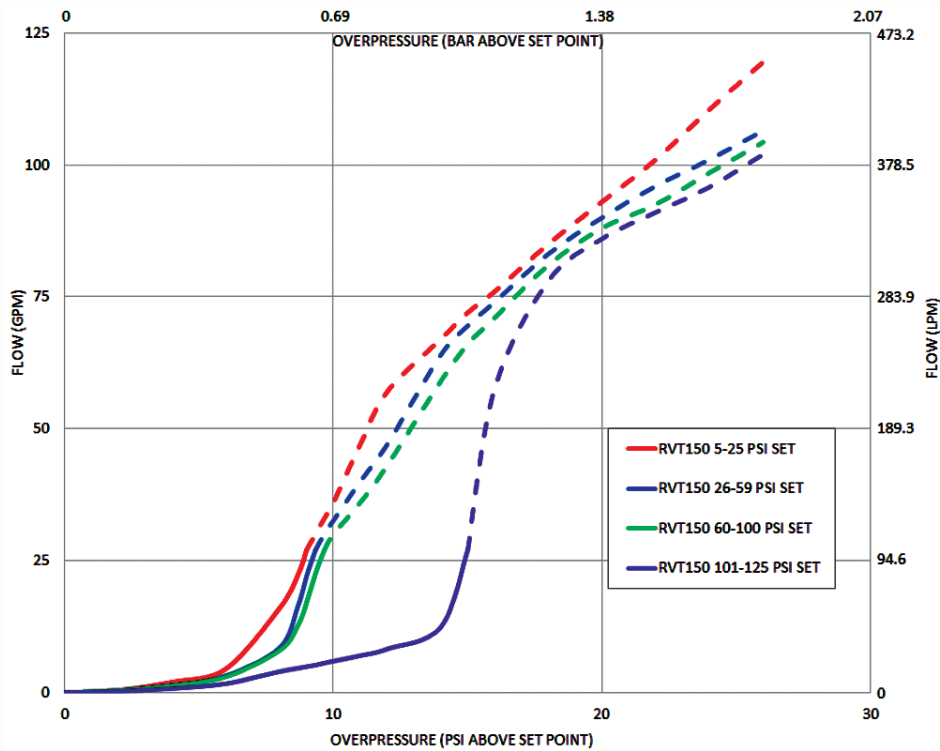
RVT075 FLOW CHARACTERISTICS TESTED WITH CITY WATER



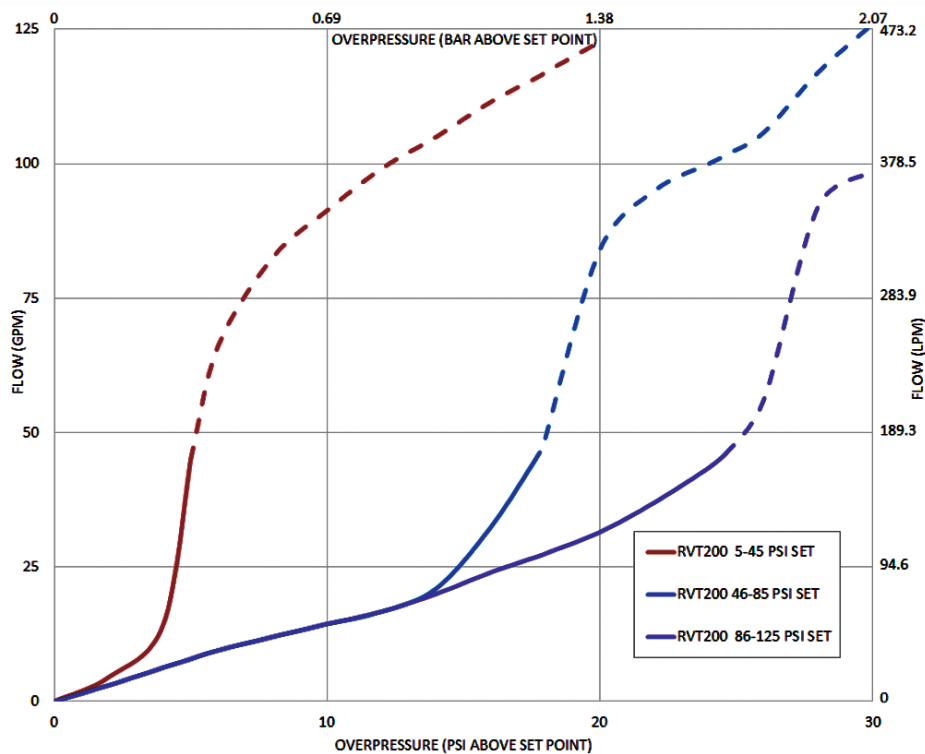
RVT100 FLOW CHARACTERISTICS TESTED WITH CITY WATER



RVT150 FLOW CHARACTERISTICS TESTED WITH CITY WATER



RVT200 FLOW CHARACTERISTICS TESTED WITH CITY WATER



SERIES RVTX ROLLING DIAPHRAGM DESIGN

A SUPER-HIGH PERFORMANCE 3" RELIEF VALVE



FEATURES:

- Large area rolling diaphragm provides precise, sensitive operation.
- Ideal for use with liquids that crystallize.
- Heavy-duty industrial construction.
- Angle pattern offers compact size and convenient piping.
- 3" pipe size.
- No wetted metal parts.

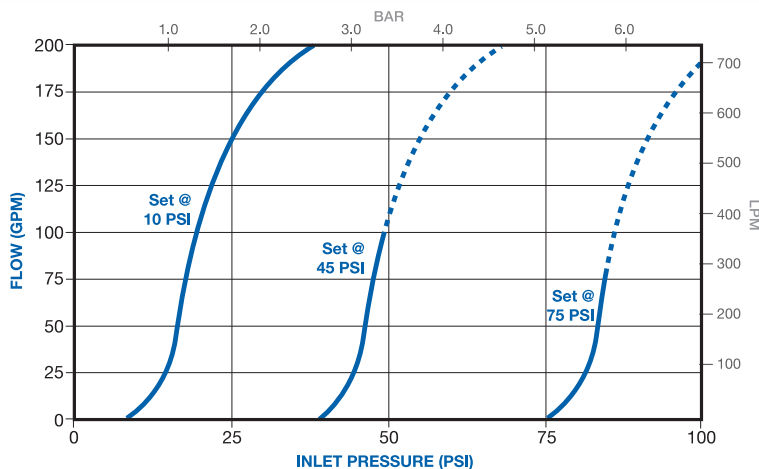
DESIGN:

Series RVTX angle pattern pressure relief valve features a solid shaft with a PTFE thrust washer for reduced friction, working in conjunction with a large area rolling diaphragm. This high flow capacity relief valve provides rugged dependability for acids, salt solutions, and other highly corrosive liquids. Relief setting is infinitely adjustable from 5 psi to 100 psi. Maximum inlet pressure is 150 psi. Not recommended for applications with a vacuum on the outlet.

MATERIALS OF CONSTRUCTION:

Available in PVC, CPVC and PVDF. Thrust washer is PTFE. Seals are available in EPDM and FKM (Viton®). For other body or seal materials, consult factory. The valve adjusting bolt and lock nut are high density polyethylene. The control spring is plated steel. The fasteners are stainless steel. No metal parts are in contact with liquid.

SERIES RVTX FLOW CHARACTERISTICS



PART NUMBERS

3" PIPE SIZE	PVC	CPVC	POLYPRO	PVDF
FKM Seals	RVTX300V-PV	RVTX300V-CP	NA	RVTX300V-PF
EPDM Seals	RVTX300EP-PV	RVTX300EP-CP	NA	RVTX300EP-PF

DIMENSIONS

