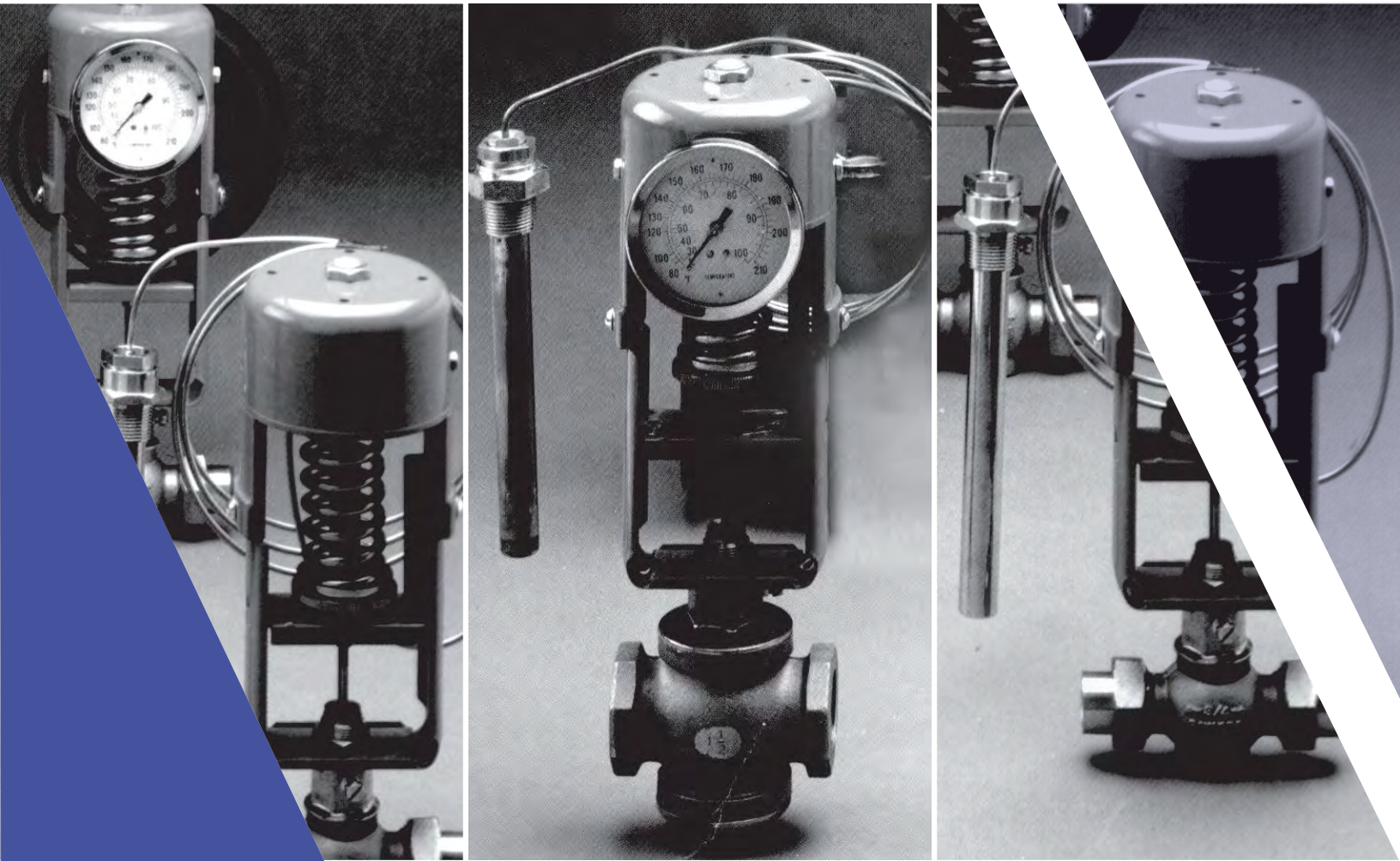


#11 Self Operating Temperature Regulators

Remote Bulb for Heating, Cooling, Mixing and By-Pass Applications

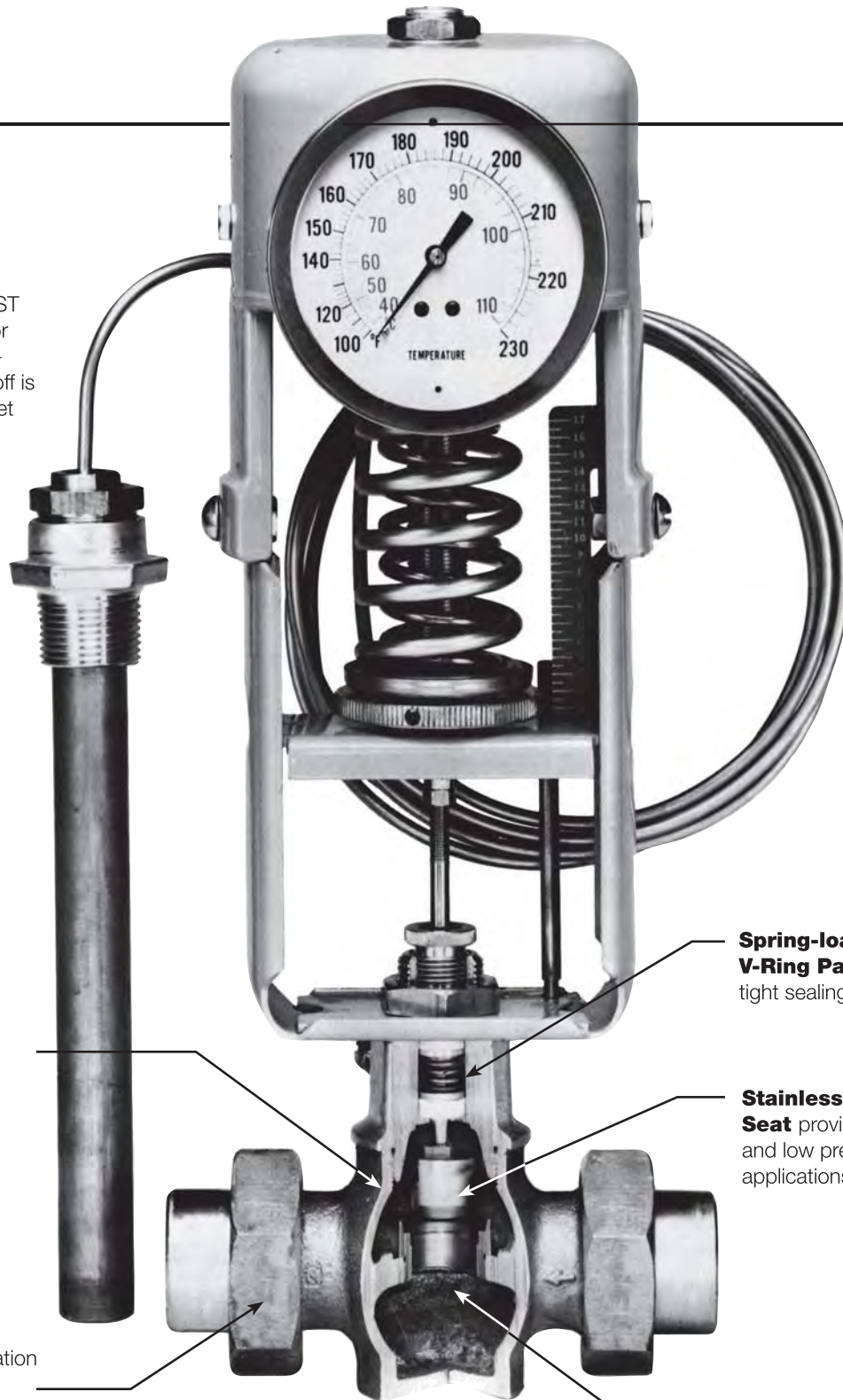


Powers #11 Type ST Regulator

Heating or Cooling
Size 1/2" to 1"
with Stainless Steel Trim

Application: #11 Type ST Regulator is well-suited for heating and cooling applications where good shutoff is required or where high inlet pressures cause a large pressure differential across the valve. The Type ST is normally the single seat valve used for cooling applications, and steam applications above 50 PSI.

(Maximum leakage @ closure is 0.1% of maximum flow)



Self-Aligning Plug assists with tight shutoff.

Union ends ease installation and maintenance

Spring-loaded V-Ring Packing provides tight sealing and long life.

Stainless Steel Plug and Seat provide long life in high and low pressure applications.

Reduced Ports are available for low flow applications.

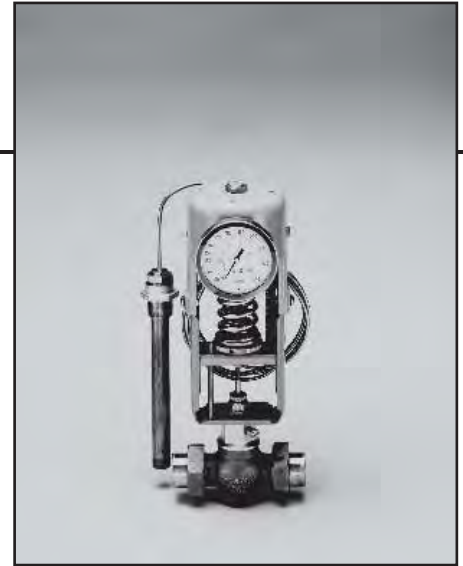
Selection

Refer to Load Calculations (page 16) to determine the valve capacity required for your process.

Next, refer to the Valve Sizing Charts (pages 16–21) to select valve size matching your capacity requirements.

How to Order

Refer to the product number guide (on pages 22–23) to match your valve and thermal system selections and determine product number.



Type ST Dimensions

	Valve Style	Material and Connections	Valve Size	A in. (mm)	B in. (mm)		C in. (mm)	Shipping Weight lbs. (kg)
					Heating	Cooling		
					Single Seat Stainless Steel Trim	Bronze body, double female unions		
		$\frac{3}{4} \leq$	14 $\frac{1}{4}$ (362)	1 $\frac{3}{8}$ (35)	2 (51)	6 (152)	20 (10)	
		$1 \leq$	14 $\frac{3}{8}$ (365)	1 $\frac{1}{2}$ (38)	2 $\frac{1}{4}$ (57)	6 $\frac{3}{4}$ (171)	22 (11)	

Specifications

Body: Bronze ANSI Class 250

Connections: Union ends

Trim: Stainless steel

Sizes	$\frac{1}{2}A$	$\frac{1}{2}B$	$\frac{1}{2}C$	$\frac{1}{2}D$	$\frac{1}{2}$	$\frac{3}{4}$	1
C_v	.25	.50	1.0	2.0	2.6	4.6	10.5
Max. Pressure Differential (psi/kPa)		200 (1379)	200 (1379)	200 (1379)	200 (1379)	140 (965)	70 (483)