

SPENCE MAIN VALVE SPECIFICATION TABLE

TYPES	SIZES, BODY MATERIAL* AND FACINGS										OTHER MATERIALS*					
	CAST IRON		CAST BRONZE		CAST STEEL		Diaphragm	SEAT RINGS		DISCS		Stem	Main Spring			
	Screwed Ends	Flanged ANSI 125	Screwed Ends	Flanged ANSI 250	Screwed Ends 150	Flanged ANSI 300		Flanged ANSI 600	Steam Service	Water, Oil, Air or Gas Service	Steam Service			Water, Oil, Air or Gas Service		
E	SIZES-INCHES															
	Max. Initial Pressure-psi	250	250	250	300	300	600	316/420 ^d	316/420	304/420	304/420	Stainless Steel or 17-4PH ^e	Carbon or Inconel ^f			
	Max. Initial Temperature-°F	450	450	400	750	750	750									
Min. Differential ^g -psi ^h	10/30/50	10/30/50	10/30/50	10/30/50	10/30/50	10/30/50	30									
E2	SIZES-INCHES															
	Max. Initial Pressure-psi	15	15	15	15	15	15	316	316	304/420	304/420	Stainless Steel	Carbon Steel			
	Max. Initial Temperature-°F	250	250	250	250	250	250									
Min. Differential ^g -psi	3	3	3	3	3	3										
E5	SIZES-INCHES															
	Max. Initial Pressure-psi	250	250	250	300	300	600	316/420	316/420	304/420	304/420	Stainless Steel	Carbon Steel			
	Max. Initial Temperature-°F	450	450	400	750	750	750									
Min. Differential ^g -psi	5	5	5	5	5	5										
E6	SIZES-INCHES															
	Max. Initial Pressure-psi	250	250	250	250	250	250					Stainless Steel	Carbon Steel			
	Max. Initial Temperature-°F	200	200	200	200	200	200									
Min. Differential ^g -psi	10	10	10	10	10	10										
C34	SIZES-INCHES															
	Max. Initial Pressure-psi	200	165	200	200	200	200					Stainless Steel	Carbon Steel			
	Max. Initial Temperature-°F	200	200	200	200	200	200									
Min. Differential ^g -psi	10	10	10	10	10	10										

^a Main Valves for corrosive fluids or costly gases require special materials.

^b Bronze body and blind flange only.

^c Minimum Differential is the smallest permissible difference between initial pressure (measured at the inlet) and the delivery pressure (measured at the outlet) of the main valve.

^d Secoweld seat construction described in Options Section is regularly furnished for service pressures 400 psi and higher.

^e 17-4 PH stems are furnished for service temperatures exceeding 600°F.

^f Inconel springs are furnished for service pressures exceeding 400 psi and/or temperatures exceeding 600°F.

^g Standard spring (HP) requires minimum 30 PSI differential. 50 PSI is recommended minimum differential. Use optional Low ΔP (LP) main spring for 15 psi minimum differential. 10 psi minimum differential is attainable by adding base bypass and 1/6" bleedport.

