

SPENCE MAIN VALVE SPECIFICATION TABLE

TYPES	SIZES, BODY MATERIAL ^a AND FACINGS										OTHER MATERIALS ^b						
	CAST IRON			CAST BRONZE			CAST STEEL				Diaphragm	SEAT RINGS		DISCS		Stem	Main Spring
	Screwed Ends	Flanged ANSI 125	Flanged ANSI 150	Screwed Ends	Flanged ANSI 150	Flanged ANSI 300	Flanged ANSI 600	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	3/8-2	1-12	1-12	3/8-2	3/8-2	1-12	1-12	1-12	1/2-8							
	Max. Initial Pressure-psi	250	250	250	250	300	300	300	600								
	Max. Initial Temperature-°F	450	450	450	400	750	750	750	750								
	Min. Differential ^c -psi ^h	10/30/50	10/30/50/10/30/50	10/30/50/10/30/50	10/30/50/10/30/50	10/30/50/10/30/50	10/30/50/10/30/50	10/30/50/10/30/50	30								
E2	SIZES-INCHES	3/4-2	1-12	—	3/4-2	—	—	—	—	—							
	Max. Initial Pressure-psi	15	—	—	15	—	—	—	—								
	Max. Initial Temperature-°F	250	—	—	250	—	—	—	—								
	Min. Differential ^c -psi	3	3	—	3	—	—	—	—								
E5	SIZES-INCHES	3/4-2	1-12	1-12	3/4-2	3/4-2	1-12	1-12	1-12	—							
	Max. Initial Pressure-psi	250	250	250	250	300	300	300	—								
	Max. Initial Temperature-°F	450	450	450	400	600	600	600	—								
	Min. Differential ^c -psi	5	5	5	5	5	5	5	—								
E6	SIZES-INCHES	3/4-2	1-12	3/4-2	—	—	—	—	—	—							
	Max. Initial Pressure-psi	250	250	250	250	—	—	—	—								
	Max. Initial Temperature-°F	200	200	200	200	—	—	—	—								
	Min. Differential ^c -psi	10	10	10	10	—	—	—	—								
C34	SIZES-INCHES	1-2	2-6	2-6	—	—	—	—	—	—							
	Max. Initial Pressure-psi	200	165	200	—	—	—	—	—								
	Max. Initial Temperature-°F	200	200	200	—	—	—	—	—								
	Min. Differential ^c -psi	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.

^h 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 1/16" bleedport.