

TOLL FREE - 1-877-244-4883

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	Flanged ANSI 250	Screwed Ends	Screwed Ends	Flanged ANSI 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	¾-2	1-12	1-12	¾-2	¾-2	1-12	1-12	¾-8	Stainless Steel	316/420*	316/420	304/420	Hycar	Stainless Steel or 17-4PH*	Carbon or Inconel
	Max. Initial Pressure-psi	250	125	250	250	300	150	300	600							
	Max. Initial Temperature-°F	450	450	450	400	750	500	750	750							
	Min. Differential-psi [†]	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	¾-2	1-12	—	¾-2	—	—	—	—	Hycar	316	—	304/420	—	Stainless Steel	Carbon Steel
	Max. Initial Pressure-psi	15	15	—	15	—	—	—	—							
	Max. Initial Temperature-°F	250	250	—	250	—	—	—	—							
	Min. Differential-psi	3	3	—	3	—	—	—	—							
E5	SIZES-INCHES	¾-2	1-12	1-12	¾-2	¾-2	1-12	1-12	—	Hycar	316/420	316/420	304/420	304/420	Stainless Steel	Carbon Steel
	Max. Initial Pressure-psi	250	125	250	250	300	150	300	—							
	Max. Initial Temperature-°F	450	450	450	400	600	500	600	—							
	Min. Differential-psi	5	5	5	5	5	5	5	—							
E6	SIZES-INCHES	¾-2	1-12	¾-2	—	—	—	—	—	Hycar	—	316/420	—	Hycar	Stainless Steel	Carbon Steel
	Max. Initial Pressure-psi	250	125	250	250	—	—	—	—							
	Max. Initial Temperature-°F	200	200	200	200	—	—	—	—							
	Min. Differential-psi	10	10	10	10	—	—	—	—							
C34	SIZES-INCHES	1-2	2-6	2-6	—	—	—	—	—	Hycar	—	303/304	—	Hycar	Stainless Steel	Carbon Steel
	Max. Initial Pressure-psi	200	165	200	—	—	—	—	—							
	Max. Initial Temperature-°F	200	200	200	—	—	—	—	—							
	Min. Differential-psi	10	10	10	—	—	—	—	—							

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

* Bronze body and blind flange only.

* 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.

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

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

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

* 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 ¼" bleedport.