

## Assembly Numbers Series 700 / 23000 / 33000 Valves

Normally closed, swinging gate, electrically actuated, manual reset, trip close

MOPD (psi) [2]	Sanctioned Valves (for clean fuel oils and heavy oils)		Valve Size & C <sub>v</sub> Factor	Ship Wt. [1] (lbs)	Non-sanctioned Valves (for special services)	
	Assembly Number	Designation			Designation	Assembly Number
		Series			Series	
300	1 700	730	1" C <sub>v</sub> = 12	37	790	1 790
600		760			790-S	
	---	---		41	33790	1 33790
300	1.25 700	730	1.25" C <sub>v</sub> = 17	40	790	1.25 790
600		760			790-S	
	---	---			33790	1.25 33790
300	1.25 700	730-S	1.25" C <sub>v</sub> = 45	40	790-S	1.25 790
---	----	---	1.5" C <sub>v</sub> = 123	70	23300	1.5 23300
---	---	---	2" C <sub>v</sub> = 218	80	23300	2 23300

These assemblies include General Purpose 115/60 AC solenoids.

Shaded areas are 300# raised flanged body valves

[1] Approximate. Actual weight will vary based on options selected.

[2] MOPD may be lower based on fuel. Refer to nameplate for actual value.

**Segment choices are as follows for configured 700 valves:**

- Fuel
- Body trim
- Body connection
- Minimum fuel/ambient temp.
- Maximum fuel temperature
- Maximum ambient temperature
- Solenoid voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Time delay
- Top assembly position
- Handle sideplate
- Tagging

**Segment choices are as follows for configured 23300 valves:**

- Fuel
- Body trim
- Body connection
- Minimum fuel/ambient temp.
- Maximum fuel temperature
- Maximum ambient temperature
- Solenoid voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Top assembly position
- Handle sideplate
- Tagging

**Segment choices are as follows for configured 33790 valves:**

- Fuel
- Body trim
- Body connection
- Minimum fuel/ambient temp.
- Maximum fuel temperature
- Maximum ambient temperature
- Solenoid voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Top assembly position
- Handle sideplate
- Tagging

## Assembly Numbers

### Series 4700 / 8700 / 25300 / 33479

Normally closed, swinging gate, electrically actuated, automatic reset, trip close

MOPD (psi) [2]	Sanctioned Valves (for clean fuel oils and heavy oils)		Valve Size & C <sub>v</sub> Factor	Ship Wt. [1] (lbs)	Non-sanctioned Valves (for special services)	
	Assembly Number	Designation			Designation	Assembly Number
		Series			Series	
300	.375 8700	8730	.375" C <sub>v</sub> = 3.4	30	8790	.375 8790
300	.5 8700	8730	.5" C <sub>v</sub> = 3.4	30	8790	.5 8790
600		8760			8790-S	
300	.75 8700	8730	.75" C <sub>v</sub> = 9.6	30	8790	.75 8790
600		8760			8790-S	
300	1 4700	4730	1" C <sub>v</sub> = 12	42	4790	1 4790
600		4760			4790-S	
					33479	
300	1.25 4700	4730	1.25" C <sub>v</sub> = 17	42	4790	1.25 4790
600		4760			4790-S	
					33479	1.25 33479
300	1.25 4700	4730-S	1.25" C <sub>v</sub> = 45	42	4790-S	1.25 4790
---	---	---	1.5" C <sub>v</sub> = 123	74	25300	1.5 25300
---	---	---	2" C <sub>v</sub> = 218	90	25300	2 25300

Shaded areas are 300# raised flanged body valves.

[1] Approximate. Actual weight will vary based on options selected.

[2] MOPD may be lower based on fuel. Refer to nameplate for actual value.

**Segment choices are as follows for configured 4700 valves:**

- Fuel
- Body trim
- Body connection
- Min. fuel/ambient temp.
- Maximum fuel temp.
- Maximum ambient temp.
- Motor voltage
- Motor timing
- Solenoid voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Time delay
- Top assembly position
- Tagging

**Segment choices are as follows for configured 8700 valves:**

- Fuel
- Body trim
- Body connection
- Min. fuel/ambient temp.
- Maximum fuel temp.
- Maximum ambient temp.
- Motor voltage
- Motor timing
- Clutch voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Time delay
- Top assembly position
- Tagging

**Segment choices are as follows for configured 25300 valves:**

- Fuel
- Body trim
- Body connection
- Min. fuel/ambient temp.
- Maximum fuel temp.
- Maximum ambient temp.
- Motor voltage
- Motor timing
- Solenoid voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Top assembly position
- Tagging

**Segment choices are as follows for configured 33479 valves:**

- Fuel
- Body trim
- Body connection
- Min. fuel/ambient temp.
- Maximum fuel temp.
- Maximum ambient temp.
- Motor voltage
- Motor timing
- Solenoid voltage
- Enclosure rating
- VOS switch
- VCS switch
- Terminal block
- Top assembly position
- Tagging



Maxon practices a policy of continuous product improvement. It reserves the right to alter specifications without prior notice.

## Assembly Numbers – Spare Parts

### Solenoids

Electrical Specification		Maxon Valve Size & Series			
		.75", 1", 1.25", & 1.5" 808 (-S); 818 (-S) 5000 (-S); 5100 (-S) STO-M (-S); STO-A (-S)	1" & 1.25" 730 (-S); 760; 790 (-S) 4730 (-S); 4760; 4790 (-S)	2.5", 3", & 4" 808 (-S) CP; 818 (-S) CP 5000 (-S) CP; 5100 (-S) CP STO-M (-S) CP; STO-A (-S) CP	6" 808 (-S); 818 (-S)
			2", 2.5", & 3" 808 (-S); 818 (-S) 5000 (-S); 5100 (-S) STO-M (-S); STO-A (-S)		
			1" & 1.25" 33790 (-S); 33479 (-S)		
23v	60 Hz	21025	1115380	35885	35885
46v	60 Hz	35886	35887	35888	35888
100v	60 Hz	35894	35895	35896	35896
115v	50 Hz	37742	37748	37754	37754
	60 Hz	17555	22055	23243	23243
208v	50 Hz	37744	37750	37755	37755
	60 Hz	35897	35898	35899	35899
230v	50 Hz	37745	37751	37756	37756
	60 Hz	21026	22056	23244	23244
345v	50 Hz	37746	37752	37758	37758
	60 Hz	35889	35890	---	---
460v	60 Hz	21027	22052	---	---
24v	DC	39543	1040580 [1]	1040581 [1]	---
120v	DC	---	1051047 [1]	1059437 [1]	---
125v	DC	43665	---	---	---

[1] Contact sales representative for valves shipped before 2009.

First 2 digits of serial number represent last 2 digits of year (ex. 08 ... 2008 valve - contact sales representative).

**Key:**      v = Volts  
               Hz = Hertz  
               DC = DC

# Assembly Numbers

## Motor Operators and Internal Top Assembly Components

Motor Operator Electrical Specifications		Maxon Valve Size & Series		
		.75", 1", 1.25", 1.5", 2", 2.5", 3", & 4" 5000 (-S); 5100 (-S) 4730 (-S); 4760; 4790 (-S) 5000 (-S) CP 5100 (-S) CP 33479 (-S); 25300	.75", 1", 1.5", & 2" STO-A (-S)	.75", 1", 1.25", 1.5", 2", 2.5", 3", & 4" STO-A (-S) CP
2.5 second timing	115v 50/60 Hz	41635 [5]	41635	---
	230v 50/60 Hz	41647 [5]	41647	---
6 second timing	115v 50/60 Hz	41637	41637	41637
	230v 50/60 Hz	41649	41649	41649
	Unlisted only 24v DC	36648	36648	---

Motor Operator Electrical Specifications		Maxon Valve Size & Series	
		4" & 6" 7000 (-S) 7100 (-S)	.375", .5", & .75" 8730; 8760 8790 (-S)
12 second timing	115v 50/60 Hz	32093	---
	230v 50/60 Hz	32094	---
6 second timing	115v 60 Hz	---	27152
	230v 50 Hz	---	27323
Replacement Top Assembly	115v 60 Hz	32014 [1] / 32015 [2]	32766
	230v 50 Hz	36387 [1] / 36390 [2]	36400
Replacement Wiring Circuit Board	115v 60 Hz	25354 [3]	27134
	230v 50 Hz		27547
Replacement Clutch Assembly	90v DC	25367 [3]	43121
Internally Wired Time Delay Feature 1.5 - 4 second delay	115/60	---	32594 [4]

[1] For 4" Series 7000 valve [2] For 6" Series 7000 [3] For 115v 50/60 Hz or 230v 50/60 Hz  
 [4] This TD unit is FM (Factory Mutual), UL (Underwriters Laboratory, and CGA (Canadian Gas Association) sanctioned  
 [5] 2.5 second option is not available for CP valves

**Key:** v = Volts  
 Hz = Hertz  
 DC = Direct Current



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## Assembly Numbers – Spare Parts

### Wheel & Chain Accessory Options

<b>Maxon Valve Sizes &amp; Series</b>		.75", 1", 1.25", & 1.5" 808 (-S) 818 (-S)	2", 2.5" & 3" 808 (-S) 818 (-S) 21818 (-S) PTC	1.5", 3", & 4" 808 (-S) CP 818 (-S) CP 21818 (-S) CP PTC 23150	.75", 1", & 1.5" STO-M (-S)	2" STO-M (-S)
			1", 1.25", 1.5" & 2" 730; 760 790 (-S) 33790 (-S) 23300; 21730 21760 PTC 21790 (-S) 21818 (-S) PTC	6" 808 (-S); 818 (-S) 21818 (-S) PTC		
Overhead	Single Valve	WCSMALL [1]	WCINT	WCCP	WCSMALL	WCINT
	Tandem Valve	TOSMALL	TOLARGE	TOLARGE	N/A	N/A
Tandem Overhead Valve Linkage Assembly		57978 [1]	57984 [2]	57986 [2]	N/A	N/A
Extra chain for above (1 foot increments)		00035 [3]				

[1] Only available for 730, 760, 790 (-S) valves in top assembly position TO

[2] Position TO or AW must be specified on order

[3] Overall chain length not to exceed 25 feet; standard length on CP and large valves is 7 feet; all other valves is 5 feet

N/A = Not currently available