

Motorized Zone Valves

Y496; Y896 Zone Control Builder Packs



Valve Electrical Rating (Voltage, Frequency): 24 Vac, 50/60 Hz
(except Y896C1016 which is for 60 Hz only)

Pipe Connection: Sweat

Body Pattern: Two-way

Valve Action: Spring return to close

Valve Aux Switch Ratings: 50 VA pilot duty @ 24 V
4.4 A running @ 120 V

Valve Electrical Connections (in.): 18 in. leads

Exceptions: Y496B1040: Screw Terminal Block

Y896C1016: Color-coded 40 in. (1 meter) cable

Thermostat Application: Single Stage

Thermostat Electrical Rating: 24 V, 50/60 Hz

Thermostat Electrical Connections: Screw Terminals

Thermostat Color: Premier White®

Comments: See valve and thermostat for more details

Includes: (Y496B1024 and Y496B1040 only) 104456B Wallplate

Approvals:

Underwriters Laboratories Inc. UL Listed: Models V8043A,B,E,J & V8044A,B,E; UL Component Recognized: V8043F

Product Number	Y-Pack Includes
Y496A1074	V8043E1012, T822K1018
Y496A1082	V8043E1004, T822K1018
Y496A1090	V8043E1061, T822K1018
Y496B1024	V8043E1012, T87K1007
Y496B1040	V8043F1036, T87K1007
Y496E1005	V8043A1029, TH5110D1006
Y496E1013	V8043E1004, TH5110D1006
Y496E1021	V8043E1012, TH5110D1006
Y896C1016	VC8715AM1000, T8400B1018

Contain devices necessary for temperature control of a single zone in a hydronic heating system.

- Includes thermostat with special heat anticipator designed for best performance when used with the VC8715AM1000 Valve.
- Require 24 V power source.

Hydronic Controls

Product Number	Thermostat						Valve						
	Applica-tion	Anticipator Adj.		Temperature Range		Current	Screen Size	Pipe Size		Capacity		Maximum Close-off Pressure	
		Heating	Cooling	(F)	(C)			(inch)	(Cv)	(Kv)	(psi)	(kPa)	
* Y496A1074	Heating Only	0.18 to 1.0 A	—	55 to 95 F	13 to 35 C	—	—	3/4 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y496A1082	Heating Only	0.18 to 1.0 A	—	55 to 95 F	13 to 35 C	—	—	1/2 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y496A1090	Heating Only	0.18 to 1.0 A	—	55 to 95 F	13 to 35 C	—	—	3/4 in.	8 Cv	6.9 Kv	8 psi	55 kPa	
* Y496B1024	Heating/ Cooling	0.1 to 1.2 A	0.0 to 1.5 A	40 to 90 F	4 to 32 C	—	—	3/4 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y496B1040	Heating/ Cooling	0.1 to 1.2 A	0.0 to 1.5 A	40 to 90 F	4 to 32 C	—	—	3/4 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y496E1005	Heating/ Cooling	—	—	Heat: 40 F to 90 F; Cool: 50 F to 99 F	Heat: 4.5 C to 32 C; Cool: 10 C to 37 C	Cooling: 1.0 A running; Heating: 1.0 A running; Fan: 0.5 A running	Standard Display	3/4 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y496E1013	Heating/ Cooling	—	—	Heat: 40 F to 90 F; Cool: 50 F to 99 F	Heat: 4.5 C to 32 C; Cool: 10 C to 37 C	Cooling: 1.0 A running; Heating: 1.0 A running; Fan: 0.5 A running	Standard Display	1/2 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y496E1021	Heating/ Cooling	—	—	Heat: 40 F to 90 F; Cool: 50 F to 99 F	Heat: 4.5 C to 32 C; Cool: 10 C to 37 C	Cooling: 1.0 A running; Heating: 1.0 A running; Fan: 0.5 A running	Standard Display	3/4 in.	3.5 Cv	3 Kv	20 psi	138 kPa	
* Y896C1016	Heating Only	—	—	40 to 99 F	4 to 39 C	—	—	3/4 in.	5.8 Cv	5 Kv	60 psi	97 kPa	

* TRADELINE models • SUPER TRADELINE models

Motorized Zone Valves

Replacement Parts

Product Number	Description	Includes
40003918-006	Adaptor kit for V4043, V8043, 2-way hydronic valves	Adapter plate, ball and shaft assembly, large O-ring and four mounting screws.
40003918-007	Adaptor kit for V4044, V8044, 3-way diverting valves	Adapter plate, ball and shaft assembly, large O-ring and four mounting screws.
40003918-008	Adaptor kit for V4043E, J, V8043J, low pressure steam valves	Adapter plate, ball and shaft assembly, large O-ring and four mounting screws.

Zone Valve Replacement Parts

Product Number	Description	Voltage	Frequency	Used With Valve	Includes	
272708A	1/2 in. inverted flare to 1/2 in. sweat adapter	—	—	—	—	
272708B	1/2 in. inverted flare to 3/4 in. sweat adapter	—	—	—	—	
802360JA	24V, 50/60Hz replacement motor for V8043 zone valves	24V	50 Hz; 60 Hz	V8043A,E,F	Motor mounting screw and lead connectors	
802360JA	24V, 50/60Hz replacement motor for V8043 zone valves	24V	50 Hz; 60 Hz	V8043A,E,F	Motor mounting screw and lead connectors	
802360JA	24V, 50/60Hz replacement motor for V8043 zone valves	24V	50 Hz; 60 Hz	V8043A,E,F	Motor mounting screw and lead connectors	
802360JA	24V, 50/60Hz replacement motor for V8043 zone valves	24V	50 Hz; 60 Hz	V8043A,E,F	Motor mounting screw and lead connectors	
802360LA	120V, 60Hz replacement motor for V4043, V4044 zone valves	120V	60 Hz	V4043, V4044	Motor mounting screw and lead connectors	
802360MA	208, 60Hz replacement motor for V4043, V4044 zone valves.	208V	60 Hz	V4043, V4044	Motor mounting screw and lead connectors	
802360NA	220V/50Hz; 240V/60Hz replacement motor for V4043, V4044 zone valves.	220V; 240V	50 Hz; 60 Hz	V4043, V4044	Motor mounting screw and lead connectors	
802360QA	277V, 60Hz replacement motor for V4043, V4044 zone valves	277V	60 Hz	V4043, V4044	Motor mounting screw and lead connectors	
802360UA	24V, 50/60 Hz Replacement motor for steam, heating, and chilled water Zone Valves	24V	50 Hz; 60 Hz	V8043J, V8043A,E	Motor mounting screw and lead connectors	
803867A	Conduit case and cover for use with the V8043F when the end switch is used in line voltage application.	—	—	V8043F	Case and cover	