

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.

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

Hydronic Controls

Motorized Zone Valves

Product Number	Description	Electrical Connection Location	Voltage	Frequency	Maximum Ambient Temperature		Used With Valve Action	Used With Valve	
					(F)	(C)			
40003916-040	120 Vac, 60 Hz Replacement head for V8044B, With Aquastat Switch	On opposite side of manual lever	120 Vac	60 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-041	120 Vac, 60 Hz Replacement head for V4043E, Steam Valve	Same side of manual lever	120 Vac	60 Hz	125 F	52 C	Spring return to close	Two-way	
40003916-043	24 Vac, 50/60 Hz Replacement head with End Switch for V8044E	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-044	24 Vac, 50/60 Hz Replacement head for V8044B, with Aquastat	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-045	120 Vac, 60 Hz Replacement head for V4044B, with Aquastat	Same side of manual lever	120 Vac	60 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-046	24 Vac, 50/60 Hz Replacement head for V8044A	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-047	120 Vac, 60 Hz Replacement head for V4044A, 120V, 60Hz, with 96" leads	Same side of manual lever	120 Vac	60 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-048	24 Vac, 50/60 Hz Replacement head for V8043F, With End Switch	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close	Two-way	
40003916-049	240V, 50 Hz Replacement head for V4044	—	240V	50 Hz	125 F	52 C	Spring return to close "A" port	Diverting	
40003916-521	24 Vac, 50/60 Hz Replacement head for V8043A 5000 series	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close	Two-way	
40003916-526	24 Vac, 50/60 Hz Replacement head with End Switch, for V8043E 5000 series	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close	Two-way	
40003916-548	24 Vac, 50/60 Hz Replacement head for V8043F, With End Switch	Same side of manual lever	24 Vac	50 Hz; 60 Hz	125 F	52 C	Spring return to close	Two-way	