

Assembly Numbers Packaged Version - 60 Hz

For these products, please order per the following product numbers:
(configured products are those with alphanumeric text)

Maximum Capacity		Configured Packaged Burners
Btu/hr	kW	
400,000	125	0.4M CM
800,000	250	0.8M CM
1,600,000	470	1.6M CM
2,700,000	800	2.7M CM
3,700,000	1100	3.7M CM

NOTE: For 50 Hz operation, performance will be downrated to approximately 83% of 60 Hz capacity.

Segment choices are as follows for configured products:

- Fuel
- Motor (Combustion air fan)
- CB & L's
- High and Low Fire Switches
- Filters/silencers

See Segment Choice Descriptions on page 2800-A/P-3

Connecting Base & Linkage (CB & L) Spare Parts

NOTE: This listing of CB & L assemblies shows a sampling of the more popular control motors.

Operator Type	Manufacturer		CB & L Assembly Number
	Name	Model Number	
Air	Foxboro	P-25	24383
		P-50	24384
	Johnson	D-3153	17867
		D-3151	
Taylor	40VF6	17708	
Electric	Barber-Colman	EA51-58, also with prefix MC, MP or MF	17377
	Honeywell	M6184D,A,F M6194D,B,E M9184D, M7284A,C,Q M9484D,E M9494D, M9184D,A,F M9484E,F,D M6294D,B M6284A,D,F M9194D,E	17372

Assembly Numbers EBMRV Version

For these products, please order per the following product numbers:
(configured products are those with alphanumeric text)

Segment choices are as follows for *configured* products:

- Fuel (natural gas or propane)
- Thread choice (ANSI or ISO)

See Segment Choice Descriptions on page 2800-A/P-3

Maximum Capacity		Configured EB CYCLOMAX® Burner
Btu/hr	kW	
1,600,000	468	EB2MRV CM
3,200,000	937	EB3MRV CM
5,400,000	1581	EB4MRV CM
7,400,000	2167	EB5MRV CM

MICRO-RATIO® Valves and FG Blowers must be ordered separately.

Guidelines are listed below. For additional information, see Maxon catalog literature for MICRO-RATIO® Valves (Section 7000) and FG Blowers (Section 9250).

CYCLOMAX® Burner	Minimum size FG Blower	MICRO-RATIO® Valve	Gas Valve Size		Air Valve Size	
			inches	DN	inches	DN
EB2MRV CM	C2370	MP MRV	1	25	3	75
EB3MRV CM	C4520	MP MRV	1.5	40	4	100
EB4MRV CM	C9180	MP MRV	2.5	65	6	150
EB5MRV CM	C11220	MP MRV	2.5	65	6	150

Other styles of MICRO-RATIO® Valves (MM MRV OR MA MRV) can be used, but turndown may suffer. Use a higher capacity and/or a higher pressure blower if a significant pressure drop between the blower and burner is present.

If a different blower will be used, see the table below.

Minimum Air Flow and Pressure Requirements

CYCLOMAX® Burner	Air Flow Required		Pressure Required	
	SCFM	M ³ (st)/hr	oz.	mbar
EB2MRV CM	400	680	16	69
EB3MRV CM	800	1360	16	69
EB4MRV CM	1350	2290	24	103
EB5MRV CM	1850	3145	24	103

Assembly Numbers

Segment Choice Detail - Packaged CYCLOMAX® Burners

Segment Name	Segment Description	Segment Choice (DEFAULT is shaded)	Segment Choice Description
FUEL	Type of fuel used for burner operation	NAT	Natural Gas
		PROP	Propane Gas
MOTOR	Combustion air motor voltage	230_460360	230/460-3-60 TEFC
		575360	575-3-60 TEFC
CONNECTING BASE & LINKAGE	Type of connecting base & linkage assembly (CB&L), if desired	BARB_COL	Barber-Colman electric CB&L
		HW_MOD	Honeywell Modutrol electric CB&L
		HW_MOD+MTR	Honeywell Modutrol CB&L + Honeywell Control Motor
		NONE	No CB&L
SWITCH	Type of position switch required	BOTH	Both Hi & Lo switches chosen
		NONE	No position switch
		TMECHHI	Termecanique switch (Hi Pos)
		TMECHLO	Termecanique switch (Lo Pos)
FLTR &/O SILENCER	Air filter and/or silencer required	FLTR	Filter kit
		FLTRSLNCR	Filter/silencer kit
		NONE	No filter or silencer

Segment Choice Detail - EBMRV CYCLOMAX® Burners

Segment Name	Segment Description	Segment Choice (DEFAULT is shaded)	Segment Choice Description
FUEL	Type of fuel used for burner operation	NAT	Natural Gas
		PROP	Propane Gas
THREADED INLETS	Type of thread on inlet connections	ANSI	ANSI Threads
		ISO	ISO Threads

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Spare Parts for Packaged CYCLOMAX® Burners

Packaged CYCLOMAX® Burners	0.4M CM	0.8M CM	1.6M CM	2.7M CM	3.7M CM
Combustion air fan [1]	42259/44391	42259/44391	44883/47821	42201/44392	43491/44393
Spark ignitor [2]	44889	44889	44889	44892	44892
Rubber cover [2]	18722	18722	18722	18722	18722
Combustion sleeve [1]	43478	43478	43478	45986	45034
Combustion sleeve gasket [1]	44882	44882	44882	45057	45057
Foam filter kit [3]	1042405	1042405	1042405	1042406	1042407
Replacement foam filter element [1]	1042393	1042393	1042393	1042394	1042394
Pilot protection plate [1]	1042297	---	---	---	---
Pilot protection plate fasteners [1] Qty 2	43768	---	---	---	---
High or low fire switch assembly [3] (order 2 for both high and low)	44884	44884	44884	44884	44884
Silencer/Filter assembly [3]	1042401	1042401	1042401	1042402	1042403

[1] Replacement part [2] Suggested spare part [3] Accessory – must be ordered separately

Spare Parts for EBMRV CYCLOMAX® Burners

EBMRV CYCLOMAX® Burners	EB2MRV CM	EB3MRV CM	EB4MRV CM	EB5MRV CM
Spark ignitor [2]	44889	44889	44892	44892
Rubber cover [2]	18722	18722	18722	18722
Combustion sleeve [1]	43478	43478	45986	45034
Combustion sleeve gasket [1]	44882	44882	45057	45057
Pilot protection plate [1]	1051588	1051590	1051591	1051592
Pilot protection plate fasteners [1] Qty 2	43768	43768	43768	43768

[1] Replacement part [2] Suggested spare part [3] Accessory – must be ordered separately