

Electrothermal Heating Mantles



Metal Case Uncontrolled (CMU)



Model CMU0050/EX1

Newest - Coolest Inexpensive Metal Case Heating Mantles!

- Aluminum housing is tough, chemical resistant, lightweight and easy to clean
- Replaceable heating cartridges
- Choice of five different types



All CMU AND CMUR MODELS ARE CSA
APPROVED

Product Description

- Element temperature range from ambient to 450°C for all mantles except the high temperature units.
- Flexibility of the coiled heating elements absorbs shock, minimizing the risk of flask breakage.
- Heating element is attached to a rigid thermal insulating cartridge to ensure maximum heat transfer and support.
- Heating elements and insulation form an easily replaceable heating cartridge.
- Unique air flow through ventilation slots beneath and around the rim and heating cartridge keeps the exterior "cool-to-the-touch."
- Stainless steel screen covering the heating element are grounded directly to the cable for added operator safety.
- All mantles are double fused for added safety.
- Self-supporting nonskid feet and support clamps add stability.
- Five different types of CMU mantle provide a full line of metal mantles.
- Controllers are sold separately, see page 114, (MC242X1, MC242, MC810BX1, MC810B recommended).
- MC238 or MC238X1 required for use with CMU12 and CMU22.
- MCAX1 or MCA required for use with all CMUA mantles.

Basic (CMU)

- Available in twelve sizes from 50 ml to 22 l.

Spill-Proof (CMUX)

- Two sizes available covering from 50-5000 ml sizes.
- Designed with built-in stainless liner for added protection.

High Temperature (CMUH)

- Available in two sizes from 50 to 500 ml.
- Element temperature range from ambient to 650°C.

Retort Bottom (CMUR)

- Available in eight sizes from 250 ml to 22 l.
- Stand and bench mountable.
- 250-1000 ml units supplied with "L" shaped brackets; 2000-22,000 ml units supplied with retort rod stands.

V-shaped Cartridge (CMUV)

- Available in four sizes from 50 ml to 5 l.
- Each mantle can accommodate several flask and funnel sizes.
- Hot filtrations can be conducted using support clamps.

Heating-Stirring (CMUA)

- Available in four sizes from 250 to 2000 ml.
- Stirring is independently controlled with a variable speed control up to 800 rpm.

Electrothermal Heating Mantles



Model MC810BX1



Model MC242X1

Mantles are supplied without controllers and require external power controls to prevent damage to the mantle. (Recommended models: MC242, MC242X1, MC810B and MC810BX1. (See controllers section.)

ORDERING INFORMATION

Model #	Capacity (ml)	Electrical Volts	Electrical Watts	Overall Dimensions Inches(cm)			Shipping Weight Lb. (kg)	US List Price
				W	H	D		
Basic CMU								
CMU0050/EX1 ^{1,2}	50	115	0.65	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$156.00
CMU0050/E ^{1,2}	50	230	0.65	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$156.00
CMU0100/EX1 ^{1,2}	100	115	0.87	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.54 (.7)	\$157.00
CMU0100/E ^{1,2}	100	230	0.87	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.54 (.7)	\$157.00
CMU0125/EX1 ^{1,2}	125	115	0.87	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.54 (.7)	\$157.00
CMU0125/E ^{1,2}	125	230	0.87	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.54 (.7)	\$157.00
CMU200-250/E ^{1,2}	200/250	230	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.54 (.7)	\$158.00
CMU200-250/EX1 ^{1,2}	200/250	115	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.54 (.7)	\$158.00
CMU0500/EX1 ^{1,2}	500	115	2.44	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$173.00
CMU0500/E ^{1,2}	500	230	2.44	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$173.00
CMU1000/EX1 ^{1,2}	1000	115	3.3	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$188.00
CMU1000/E ^{1,2}	1000	230	3.3	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$188.00
CMU2000/EX1 ^{1,2}	2000	115	4.35	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$198.00
CMU2000/E ^{1,2}	2000	230	4.35	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$198.00
CMU3000/EX1 ^{1,2}	3000	115	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$242.00
CMU3000/E ^{1,2}	3000	230	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$242.00
CMU5000/EX1 ^{1,2}	5000	115	6.96	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$306.00
CMU5000/E ^{1,2}	5000	230	6.96	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$306.00
CMU12/LX1 ^{1,2}	12000	115	17.4	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$539.00
CMU12/L ^{1,2}	12000	230	17.4	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$539.00
CMU22/LX1 ^{1,2}	2200	115	26	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$582.00
CMU22/L ^{1,2}	22000	230	26	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$582.00
High Temperature CMUH								
CMUH0500/EX1 ¹	500	115	4.09	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$243.00
CMUH0500/E ¹	500	230	4.09	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$243.00
CMUH1000/EX1 ¹	1000	115	5.22	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$289.00
CMUH1000/E ¹	1000	230	5.22	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$289.00
Spill-Proof CMUX								
CMUX1000/EX1	50-1000	115	150+80	12.2(31)	9.4(23.8)	5.9(15)	4(1.9)	\$420.00
CMUX1000/E	50-1000	230	150+80	12.2(31)	9.4(23.8)	5.9(15)	4(1.9)	\$420.00
CMUX5000/EX1	500-5000	115	400+200	15.8(40)	12.8(32.5)	7.7(19.5)	9.7(4.4)	\$627.00
CMUX5000/E	500-5000	230	400+200	15.8(40)	12.8(32.5)	7.7(19.5)	9.7(4.4)	\$627.00
Retort Bottom CMUR								
CMUR200-250/EX1 ¹	200/250	115	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$158.00
CMUR200-250/E ¹	200/250	230	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$158.00
CMUR0500/EX1 ¹	500	115	2.44	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$176.00
CMUR0500/E ¹	500	230	2.44	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$176.00
CMUR1000/EX1 ¹	1000	115	3.31	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$188.00
CMUR1000/E ¹	1000	230	3.31	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$188.00
CMUR2000/EX1 ¹	2000	115	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$202.00
CMUR2000/E ¹	2000	230	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$202.00
CMUR3000/EX1 ¹	3000	115	6.96	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$255.00
CMUR3000/E ¹	3000	230	6.96	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$255.00
CMUR5000/EX1 ¹	5000	115	6.96	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$303.00
CMUR5000/E ¹	5000	230	6.96	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$302.00
CMUR12/LX1 ¹	12000	115	17.4	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$548.00
CMUR12/L ¹	12000	230	17.4	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$548.00
CMUR22/LX1 ¹	22000	115	26	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$577.00
CMUR22/L ¹	22000	230	26	19 (48.5)	11 (28)	21 (53.5)	13 (6)	\$577.00
Heater—Stirrer CMUA								
CMUA0250/CEX1	250	115	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$822.00
CMUA0250/CE	250	230	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$822.00
CMUA0500/CEX1	500	115	2.44	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$838.00
CMUA0500/CE	500	230	2.44	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$838.00
CMUA1000/CEX1	1000	115	3.3	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$860.00
CMUA1000/CE	1000	230	3.3	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$860.00
CMUA2000/CEX1	2000	115	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$924.00
CMUA2000/CE	2000	230	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$924.00
V-shaped CMUV								
CMUV0050/EX1	VARIABLE	115	.65	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$227.00
CMUV0050/E	VARIABLE	230	.65	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$227.00
CMUV0250/EX1	VARIABLE	115	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$228.00
CMUV0250/E	VARIABLE	230	1.75	6.9 (7.5)	4.13 (10.5)	8.86 (22.5)	1.65 (.75)	\$228.00
CMUV1000/EX1	VARIABLE	115	3.3	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$258.00
CMUV1000/E	VARIABLE	230	3.3	9 (23)	4.9 (12.5)	10.8 (27.5)	3.3 (1.5)	\$258.00
CMUV5000/EX1	VARIABLE	115	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$360.00
CMUV5000/E	VARIABLE	230	4.35	12.5 (31.8)	6.3 (16)	14.6 (37)	6 (2.75)	\$360.00

¹ CE

² CSA