

Global-Flex Mfg.

1580 Charles Drive Redding, CA 96003

SERIES CM/CMS EXPANSION COMPENSATORS



DESCRIPTION & APPLICATIONS:

Series CM/CMS Expansion compensators are the most economical choice for the compensation of thermal growth in small diameter piping systems. Global-Flex expansion compensators are commonly used in HVAC systems and other systems such as steam condensate. **Series CM/CMS** Expansion Compensators are a high pressure, externally pressurized design, available in sizes from 3/4" through 4". **Style CM**, male pipe threaded is for connection to steel piping, while **Style CMS** Sweat ends are for connection to copper tubing. The 2-ply stainless steel bellows works in conjunction with an anti-torque device. All sizes permit 2" of axial motion.

DESIGN SPECIFICATIONS FOR MALE PIPE

Pipe Size Inches	Number	Pressure		Overall Length Inches	Outside Diam. Inches	Size Inches	Effective Area in Sq In	Weight lbs
		Max WP PSI	Test PSI					
1	CM-100	200	300	12-1/8	3-1/2	1	3.5	7.0
1-1/4	CM-125	200	300	14-1/8	4	1-1/4	4.8	10.2
1-1/2	CM-150	200	300	14-1/8	4-1/2	1-1/2	6.5	12.3
2	CM-200	200	300	14-1/8	4-1/2	2	7.6	13.2
2-1/2	CM-250	200	300	15-1/2	5-1/2	2-1/2	12.9	19.6
3	CM-300	200	300	15-3/16	6-1/2	3	16.1	24.4
4"	CM-400	200	300	15-3/16	7-3/32	4	24.2	27.5

DESIGN SPECIFICATIONS FOR MALE PIPE AND WELD ENDS

Pipe Size Inches	Number	Pressure		Overall Length Inches	Outside Diam. Inches	Size Inches	Effective Area in Sq In	Weight lbs
		Max WP PSI	Test PSI					
1	CMS-100	200	300	12-1/2	2-3/8	1	2.2	2.4
1-1/4	CMS-125	200	300	13-13/16	2-3/4	1-1/4	3.5	3.1
1-1/2	CMS-150	200	300	13-13/16	2-3/4	1-1/2	3.5	3.3
2	CMS-200	200	300	13-13/16	3-3/4	2	6.5	5.5
2-1/2	CMS-250	200	300	14-7/16	4-3/8	2-1/2	9.6	7.5
3	CMS-300	200	300	14-7/16	5	3	12.9	10.0