Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Insulation Systems

Sizes: 2½" – 6"

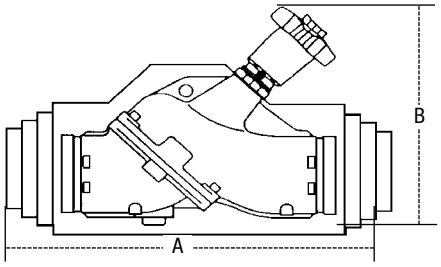
Watts Insulation Systems are available in sizes 2½" – 6" to suit series CSM-91 circuit balancing valves and series TDV Triple Duty Combination Valves. The outside shell is a preformed, removable PVC jacket to meet ASTM D 1784/class 14253-C, MEA #7-87, ASTM-E-84 and ASTM-136 with a flame spread rating of 50 or less. There is provided sufficient mineral fiberglass insulation to meet ASHRAE 90.1-1989 specifications in operating conditions with Maximum Fluid Design Operating Temperature Range of 141˚F – 200˚F (61˚C – 93˚C) and Mean Rating Temperature of 125˚F (52˚C).

CSM-91-INS

Materials

Outside Shell (2):	Zeston 2000 PVC
Insulation Batten:	Mineral Fiberglass
Fastener (4):	Stainless steel

Dimensions



SIZE	DIMENSIONS				L x W x T	
	A		B		Insulation Batten Size	
in.	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*
2½	20½	521	10	254	32 x 15 x 1½	813 x 381 x 38
3	20	508	11	279	37 x 15 x 1½	940 x 381 x 38
4	22½	572	12½	318	40 x 17 x 1½	1016 x 432 x 38
5	26	660	14	356	48½ x 21 x 1½	1232 x 533 x 38
6	30½	775	16	406	51½ x 22½ x 1½	1308 x 572 x 38

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Installation Instructions

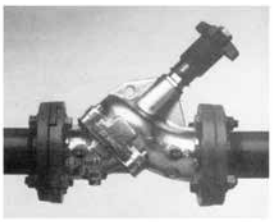


Fig. 1

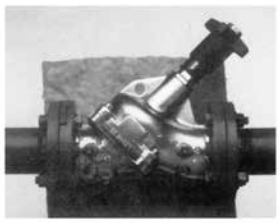


Fig. 2

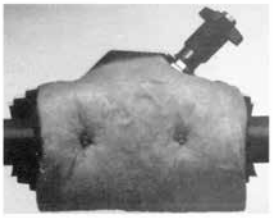


Fig. 3

Fig. 4

1. Wrap fiberglass insulation around valve keeping insulation tight around valve neck and body as shown in figs. 2 & 3.
2. Cut out insulation around pressure taps so that when diagnostic checks are required, plugs are visible when outside shell is removed as shown in fig. 3.
3. Slide 2-Piece outer shell over insulation snugly and then use fastening tacks on top and bottom to secure shell as shown in fig. 4.

NOTICE

Inquire with governing authorities for local installation requirements

USA: T: (978) 689-6066 • F: (978) 975-8350 • Watts.com
Canada: T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca
Latin America: T: (52) 81-1001-8600 • Watts.com