

Zeston 2000 PVC

Insulated Fitting Covers

Application: 90° (1.6 rad.) Short & Long Radius Elbows, 45° (0.8 rad.) Elbows, Tees and Valves



90° (1.6 rad.) short radius and 45° (0.8 rad.) elbow covers

These covers are designed to accept short radius 90° (1.6 rad.) elbows, some long radius 90° (1.6 rad.) elbows and 45° (0.8 rad.) elbows.

Stocking problems are minimized by the wide range of universal sizes. Hi-Lo Temp fiber glass insulation inserts are included with sizes #2 through #19. However, these sizes may be ordered without inserts. Inserts must be ordered separately for sizes above #19.

Ordering information. When ordering 90° (1.6 rad.) short radius or 45° (0.8 rad.) elbow covers, designate the cover number selected followed by “-90” or “-45” as required. Check availability per Table A on page 14.

For example, to insulate a fitting on a 2 inch (51 mm) IPS pipe using 1 inch (25 mm) thick fiber glass pipe insulation, (see Sizing Table 2A), the necessary Zeston fitting cover should be ordered as follows:

for a 90° (1.6 rad.) elbow – #11-90
for a 45° (0.8 rad.) elbow – #11-45

Use Sizing Table 1 or 2A for 90° (1.6 rad.) short radius and 45° (0.8 rad.) elbow covers for iron pipe elbow fittings.

Use Sizing Table 1 or 2B for 90° (1.6 rad.) short radius and 45° (0.8 rad.) elbow covers for copper tubing elbow fittings.

90° (1.6 rad.) long radius elbow covers

Fitting covers for 90° (1.6 rad.) long radius elbows are available as listed in Sizing Table 3A and 3B. Several applications use standard short radius covers as noted in the table. When using Hi-Lo Temp insulation inserts on long radius elbows, it is essential that a few turns of fiber glass yarn be made around the inserts to prevent voids or hot spots. Hi-Lo Temp inserts are not included in sizes over 6" x 1½" (152 mm x 38 mm).

Use Sizing Table 1, 3A or 3B for long radius elbow covers for 90° (1.6 rad.) long radius elbow fittings.

Ordering information. When ordering long radius 90° (1.6 rad.) elbow covers, designate the cover size selected followed by LR90.



Tee and valve covers

Tee and valve fitting covers are sold with the Hi-Lo Temp fiber glass insulation inserts precut to shape. Valve covers are supplied on all orders. When tees are needed, simply cut the end off of the valve cover.

While the correct size may be selected from the Sizing Tables, the most accurate method is to measure the circumference of the pipe insulation, then compare the size with the Sizing Tables. Tee or valve insulation inserts require a few turns of fiber glass yarn to prevent voids or hot spots.

The tee and valve number is marked on one end of the cover. This marked end of the one-piece cover is slightly larger than the other end. When applied, it is lapped over the other end to give a tight joint.

Use Sizing Table 1, 2A or 2B.

Ordering information. When ordering tee and valve covers, designate the cover number selected followed by “-TV.” Check availability according to Table A.

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Insulated Fitting Covers

Application: Screwed Fittings, 90° (1.6 rad.) Ells, 45° (0.8 rad.) Ells, Tees

Humped fitting covers*

PVC humped fitting covers are molded to provide a slight clamping action to make the application fast and easy over the Hi-Lo Temp insulation insert.

Humped PVC insulated fitting covers in 90° (1.6 rad.) and 45° (0.8 rad.) elbows and tees are designed to give proper insulation thickness and a neat finish over screwed fittings or socket weld connections.

In many cases, with standard covers, the adjacent pipe insulation thickness is insufficient to allow the screwed pipe fitting to be properly insulated causing hot and cold spots. Humped fitting covers solve this problem.

Use Sizing Table 1 or 2A.

Humped covers do not fit all screwed and socket weld elbows and tees. Check the dimensions of the fitting and the PVC cover. (Contact the Regional Sales Office nearest you for assistance.)

Ordering information. When ordering humped covers, designate the cover number selected, followed by the fitting type. Examples: H45, H90, HT, as applicable. Check availability according to Table A.



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Insulated Fitting Covers

Application: Pipe Terminations, Pipe Size Transitions, P-Traps, Y-Branches



End caps†

These covers provide an easy method of capping off pipes neatly. Zeston 2000 PVC insulated end caps can be used on all insulated cold and hot water plumbing or chilled lines, wherever the pipe insulation terminates, to seal or conceal edges of the pipe insulation.

Use Sizing Table 1, 2A or 2B.

Ordering information. When ordering end cap covers, designate the cover number selected, followed by “- EC.” Check availability according to Table A.



Cone reducers†

Cone reducers are a simple means to accommodate changes of insulation sizes. Cone reducers are available in two sizes, #17-2 and #10-2. For example, #10-2 reducer will reduce sizes 10 or less down to size 2 or more by field cutting.



Standard P-Trap



1¼”-1½” (32 mm-38 mm)
Handicap Swivel P-Trap



Y-Branch

Standard P-Traps, Deep Seal P-Traps, Y-Branches†

These covers are designed specifically for soil pipe. These items are shipped with Hi-Lo Temp inserts.

Availability

Sizes	in.	mm	Standard P-Trap*	Deep Seal P-Trap**	Handicap Swivel	
					P-Trap	Y-Branch
1¼x1½x1		32x38x25	X	—	X	—
3x1		76x25	X	—	—	—
4x1		102x25	X	X	—	—
5x2		127x51	X	—	—	—
6x2		152x51	X	—	—	—
4x4x1		102x102x25	—	—	—	X
6x6x1		152x152x25	—	—	—	X

Former industry fitting name: *½ S-Trap **P-Trap

Zeston 2000 PVC

Insulated Fitting Covers

Application: Mechanical Line & Line Flange Couplings, Soil Pipe Hubs



Mechanical line coupling covers*

The rapid acceptance of groove type fittings in lieu of welding has posed a problem to the insulation contractor, causing insulation contract prices to increase. These covers are designed to reduce these costs.

Groove type fittings are usually insulated by multiple wrappings of insulation, finished off with molded or sculptured insulating cement and coated, lightweight muslin. This time-consuming, non-uniform and, at times, unsightly method of insulation can be eliminated with Zeston 2000 PVC mechanical line coupling fitting covers.

Use Sizing Table 1 or 2A.

Ordering information. When ordering mechanical line coupling covers, designate the cover number selected followed by “-MLC.” Check availability according to Table A.



Line flange coupling covers*

Zeston 2000 PVC insulated line flange covers provide efficient and removable insulation for line flanges and butterfly valves. Having been designed for extra heavy flanges, they have considerable versatility, fitting standard and extra heavy line flanges. Butterfly valves and worm gear butterfly valves can be easily insulated by minor field cutting of line flange covers.

Use Sizing Table 1 or 2A.

Ordering information. When ordering line flange coupling covers, designate the cover number selected followed by “-LFC.” Check availability according to Table A.



Soil pipe hub covers*

These covers are designed to allow up to 1” (25 mm) insulation thickness over hub area and are sold including Hi-Lo Temp insert.

Use Sizing Table 1 or 2A.

Ordering information. When ordering soil pipe hub covers, designate the cover number selected followed by “-SPH.” Check availability according to Table A.