

# RICWIL PIPING SYSTEMS

## Product Data

### ECONO-GARD™ Cuts Piping Costs

#### Factory Insulated Piping for Fast, Easy, Economical Installation

Ricwil® ECONO-GARD™ Piping Systems provide a cost-effective solution to many above-ground and underground piping applications for temperatures up to 250°F.

The system is supplied for low-budget applications, where the insulation of joints and fittings can be handled in the field by your own personnel.

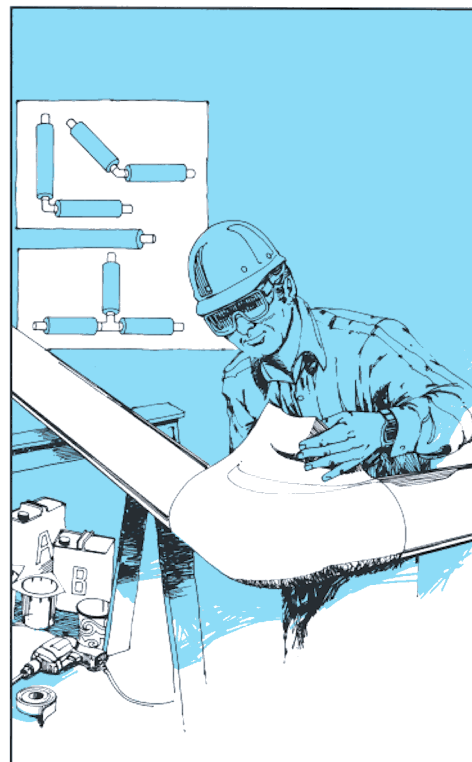
Straight sections of pipe, in standard lengths and available in several materials, are factory-insulated and jacketed for delivery to the jobsite, ready for field insulation and

jacketing of joints and fittings.

Pre-molded covers for tees, elbows, flanges and couplings with polyurethane foam and mixing aids are available as ordered.

Although pipe fittings are normally supplied by the contractor, custom fabricated fittings (tees, and 90° and 45° elbows) can be supplied by Ricwil for ECONO-GARD piping systems.

Sealing tape is provided for sealing connections between jacketing on adjacent components in aboveground and underground systems.



#### ECONO-GARD™ System Components

Pipe	Length	Insulation	Jackets
Straights 3/4" - 16" Steel, stainless steel, copper, PVC, FRP	20 ft. single random 40 ft. double random (depending on pipe size and material)	Polyurethane foam K-Factor: .14 Btu in. Hr Ft <sup>2</sup> °F	PVC, PE (other jackets available upon request)

Six inches of pipe at ends is exposed for field joining. Material for one complete field joint is included with straight length of pipe.

Available Kits	Components
Elbows & Tees	pre-molded PVC fitting covers, connector band extenders, sealing tape, and polyurethane foam components
Anchors	anchor plate assembly, connector band extenders, sealing tape, and polyurethane foam components
Decreasers	heat shrink end cap and butyl rubber tape, connector band extender, sealing tape, and polyurethane foam components
End Caps	heat shrink end caps and butyl rubber tape

#### ECONO-GARD™ Storage & Safety Precautions

**Important:** Follow instructions carefully.

Store all materials in a cool place (50°-70° F) until ready to use.

**Safety Precautions:**

Wear eye protection.

Avoid skin contact with materials in liquid state.

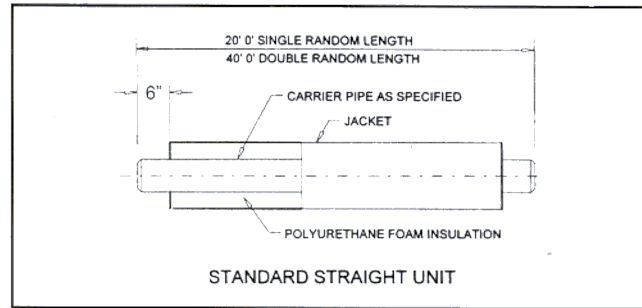
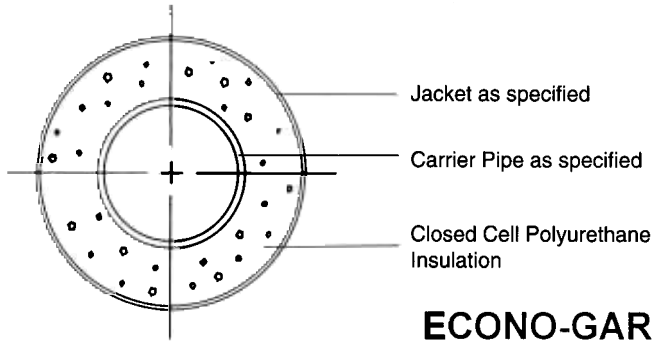
Do not smoke.

**First Aid:**

*Contact with Eyes* - Flush eyes with clear water 15 - 20 minutes. Seek medical attention immediately.

*Contact with Skin* - Wash affected areas thoroughly with soap and water. (Use Tincture of Green Soap, if available).

# Dimensional Data



## ECONO-GARD™ Sizing Chart\*

Steel Pipe Size	Jacket Size										
	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	21"
¾"	1.16"	1.66"	2.14"	2.47"	3.47"						
1"	1.03"	1.53"	2.01"	2.34"	3.34"						
1¼"	.86"	1.36"	1.84"	2.17"	3.17"						
1½"		1.24"	1.72"	2.05"	3.05"						
2"		1.00"	1.48"	1.81"	2.81"						
2½"			1.23"	1.56"	2.56"	3.56"					
3"			.92"	1.25"	2.25"	3.25"					
4"					1.75"	2.75"	3.75"				
5"					1.22"	2.22"	3.22"	4.23"			
6"						1.69"	2.69"	3.71"	4.53"		
8"							1.69"	3.71"	3.53"		
10"								1.65"	2.47"	3.61"	
12"									1.47"	2.61"	4.22"
14"										1.98"	3.59"

\*Dimensions subject to change.

## Warranty

Materials are sold FOB Seller's plant, and title shall pass upon delivery to the carrier. Seller is not responsible for goods lost or damaged in transit, and any claim shall be made by Purchaser to the carrier in accordance with the carrier's requirements. Seller is not responsible for trucker's delay in transit.

Seller warrants to purchaser that the materials conform to specifications accepted by Seller and are free from defects in materials and workmanship at the time of delivery to Purchaser. Claims for shortages or apparent defects must be made within thirty (30) days after delivery or before installation, whichever occurs first. No materials may be returned without the prior written consent of Seller. With respect to latent defects, Seller shall, at its option, repair or replace any materials which, when installed in accordance with recommendations in Seller's manual of installation instructions current at time of shipment, may prove defective under normal and proper operation and maintenance within one year after shipment to the satisfaction of Seller after inspection by Seller.

**Seller shall not be liable for losses, damages (consequential or otherwise), delays, labor costs or any other cost or expense directly or indirectly arising from the use of the materials, the Seller's liability being expressly limited to the replacement or repair of defective goods or an allowance of credit therefor. This express warranty is in lieu of and excludes all other warranties expressed or implied, including, without limitation, merchantability or fitness for a particular purpose.** This warranty shall be void (a) if Purchaser modifies, repairs or in any way alters the materials delivered by Seller without the prior written consent of Seller or (b) if notice of any claim has not been given to Seller in writing within thirty (30) days of discovery of the defect.

CONTACT YOUR PERMA-PIPE REPRESENTATIVE

## PERMA-PIPE®

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