

BARREL INSULATION SYSTEM

Contains and conserves costly barrel heat



A comparison of manual surface temperatures with and without a UNI-VEST™ shows a difference of 471° F.

- ★ Cuts energy use — increases profits

TYPICAL PAY BACK: Generally 6-12 months

- ★ Helps create a cooler work environment
- ★ Safeguards personnel from accidental burns
- ★ Promotes faster machine start-ups
- ★ Stops barrel heat fluctuations — ensures consistent part quality
- ★ Protects heater bands from trouble-causing drool and debris



UNI-VEST™ Modules are MADE TO LAST!

Resist material degradation better than any other blanket on the market!

Loops with loose rollers and strap type closures with cinch straps simplify vest adjustment and/or removal

Each UNI-VEST™ has an overlapping cuff to prevent heat loss between modules

Fiberglass cloth impregnated with PTFE shields heaters from melted plastic, heavy greases and oils

Silica fiber on the inside maintains its insulation capability in steady state temperatures up to 2000° F

Non-asbestos ceramic fiber insulation will not break down even after extended periods of heat

For actual Payback Calculations (R.O.I. Studies) on numerous make/model molding machines, go to: www.imscompany.com/UniVest.html

— BLANKET SPECIFICATIONS —

- **Hot Face (Inside Fabric)**
Silica Fabric (.042 Thick/2000° F Continuous)
- **Cold Face (Outside Fabric)** -
Green Fiberglass Cloth Impregnated with PTFE (.016 Thick/500° F)
- **Insulation - Ceramic fiber**
Non-Asbestos (1" Thick/2300° F)
- **Straps - (Fabric with PTFE)**
Made of the same material as the Cold Face
- **Strap Enclosure**
Cinch straps
- **Buckles - Nickel Plated Steel Wire**
With a loose roller for tightening ease

continued on next page

UNI-VEST™ is a trademark of UniTherm Insulation Systems



www.imscompany.com | phone order toll-free (USA & Canada) **1.800.537.5375**

fax order toll-free (USA & Canada) 1.888.288.6900 | phone order toll-free (Mexico) 001.888.304.1307 | tech support toll-free (USA & Canada) 1.866.467.9001 | e-mail sales@imscompany.com



UNI-VEST™ BARREL INSULATION SYSTEM

3

ID	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
Circ	10"	13"	16"	19"	22"	26"	29"	32"	35"	38"
1"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	125721†
2" #	RFQ*	121470	121479	121465	121494	121498	121504	RFQ*	RFQ*	RFQ*
2" \$		\$21.25	\$23.55	\$25.75	\$29.15	\$31.35	\$34.75			
3"	126971†	RFQ*	RFQ*	133505†	144998†	145003†	145007†	RFQ*	RFQ*	RFQ*
4" #	RFQ*	121467	121476	121480	121492	121495	121503	130801†	138480†	138481†
4" \$		\$33.65	\$37.00	\$40.40	\$47.15	\$50.50	\$56.15			
5"	RFQ*	RFQ*	RFQ*	144995†	144999†	145004†	145008†	131000†	145015†	145022†
6" #	RFQ*	121466	121472	121477	121488	121493	121500	138479†	124317†	138482†
6" \$		\$47.15	\$51.65	\$57.25	\$62.90	\$70.70	\$78.65			
7"	RFQ*	RFQ*	144745†	133322†	145000†	145005†	125352†	145011†	145016†	145023†
8"	126972†	RFQ*	RFQ*	144996†	145001†	125078†	133179†	145012†	145017†	135734†
9"	RFQ*	RFQ*	RFQ*	144997†	145002†	130251†	145009†	131002†	145018†	145024†
10"	RFQ*	RFQ*	RFQ*	131944†	124632†	145006†	145010†	129672†	145019†	135732†
11"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	145013†	126976†	145025†
12"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	145014†	145020†	145026†
13"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	127397†	145021†	145027†
14"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	135733†
15"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	145028†
16"	RFQ*	RFQ*	RFQ*	RFQ*	144972†	RFQ*	RFQ*	RFQ*	RFQ*	127964†
17"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	127968†
18"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	131001†	RFQ*	RFQ*
19"	RFQ*	RFQ*	RFQ*	RFQ*	144973†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
20"	RFQ*	RFQ*	RFQ*	RFQ*	144975†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
21"	RFQ*	RFQ*	RFQ*	RFQ*	144976†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
22"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
23"	RFQ*	RFQ*	RFQ*	RFQ*	144977†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
24"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	131290†	127970†
25"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	127396†	RFQ*	RFQ*
26"	RFQ*	RFQ*	RFQ*	133748†	144978†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
27"	RFQ*	RFQ*	RFQ*	RFQ*	144979†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
28"	RFQ*	RFQ*	RFQ*	124578†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
29"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
30"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
31"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	127969†
32"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
33"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
34"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
35"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
36"	RFQ*	123317†	RFQ*	RFQ*	RFQ*	122750†	RFQ*	RFQ*	RFQ*	RFQ*

Width

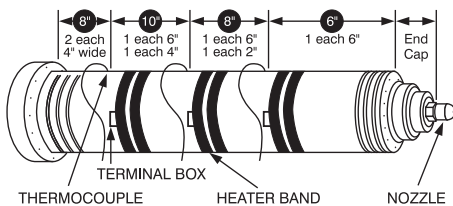
†Lead time required — Call for details

*RFQ=Request for Quote

— MEASURING TIPS —

NOTE: Please "round UP" to the nearest full inch when ordering

Use separately or combine standard width (2", 4" or 6") Uni-Vests to cover almost any area.

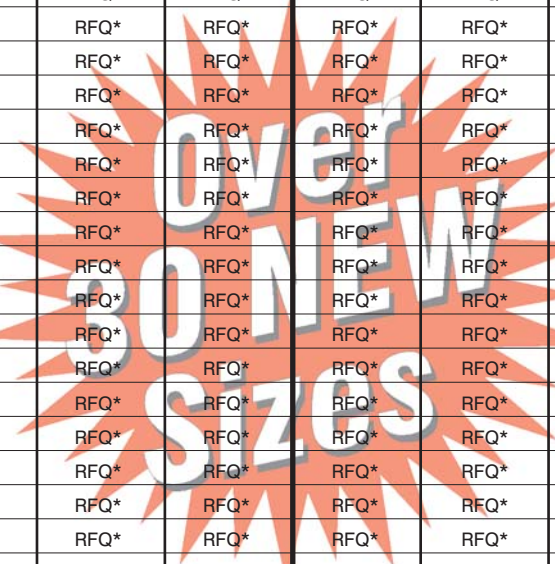


- The hopper is at the rear of the machine.
- Measure parts of the molding machine from the operator's side, starting from the rear.
- Measure from face of the hopper flange to first thermocouple. This is the Width in the table above.
- Continue measuring from thermocouple to thermocouple, from rear to front.
- The front blanket width will end at large diameter barrel (the start of the nozzle adaptor).
- Measure the circumference of the barrel for each of the widths identified above.
- Include all obstructions and projections, such as a junction box.
- Divide the circumference by 3.141 to get the O.D. (outside diameter) of the barrel. This is used as the I.D. (inside diameter) of the barrel insulation.
- Use table above to select correct size UNI-VEST™ — I.D. by Width.

UNI-VEST™ BARREL INSULATION SYSTEM

ID	13"	14"	15"	16"	17"	18"	19"	23"	28"	32"
Circ	41"	44"	48"	51"	54"	57"	60"	73"	88"	101"
1"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
2"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
3"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	142070†	RFQ*	RFQ*
4"	124318†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
5"	145029†	RFQ*	RFQ*	127589†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
6"	124319†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	122401†	127529†
7"	145030†	RFQ*	RFQ*	127562†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
8"	145031†	RFQ*	144042†	RFQ*	RFQ*	RFQ*	127590†	RFQ*	RFQ*	RFQ*
9"	127393†	RFQ*	127973†	RFQ*	RFQ*	RFQ*	127595†	142071†	RFQ*	RFQ*
10"	145032†	RFQ*	RFQ*	RFQ*	126804†	127584†	RFQ*	RFQ*	RFQ*	148110†
11"	145033†	126975†	RFQ*	127593†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	148112†
12"	143994†	127966†	127974†	RFQ*	RFQ*	RFQ*	RFQ*	127949†	RFQ*	RFQ*
13"	145034†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	127592†	RFQ*	RFQ*	RFQ*
14"	145035†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
15"	145036†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
16"	127965†	RFQ*	RFQ*	129947†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
17"	145037†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
18"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
19"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
20"	RFQ*	RFQ*	127972†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
21"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
22"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
23"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	148111†
24"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
25"	RFQ*	RFQ*	127971†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
26"	RFQ*	127967†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
27"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
28"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
29"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
30"	RFQ*	RFQ*	RFQ*	129948†	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
31"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
32"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
33"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
34"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
35"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*
36"	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*	RFQ*

Width



†Lead time required — Call for details

*RFQ = Request for Quote

continued on next page

— **OPTIONAL** —

If ordering a custom barrel end cap bonnet, you will also need to measure and note the distance from the nozzle hex to the front face of the barrel and the diameter of the nozzle.

— **CUSTOM Insulation Blanket Systems** —

FOR BETTER FIT AND HEAT RETENTION

or for other applications such as on barrel end caps, extruders, die heads, melt pipes, hoppers, dryers etc.

Lead time required —

CALL FOR DETAILS

NOTE: DO NOT use UNI-VEST™ if:

- There is excess shear heat
- The machine is air cooled
- You are molding PVC

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sales@imscompany.com



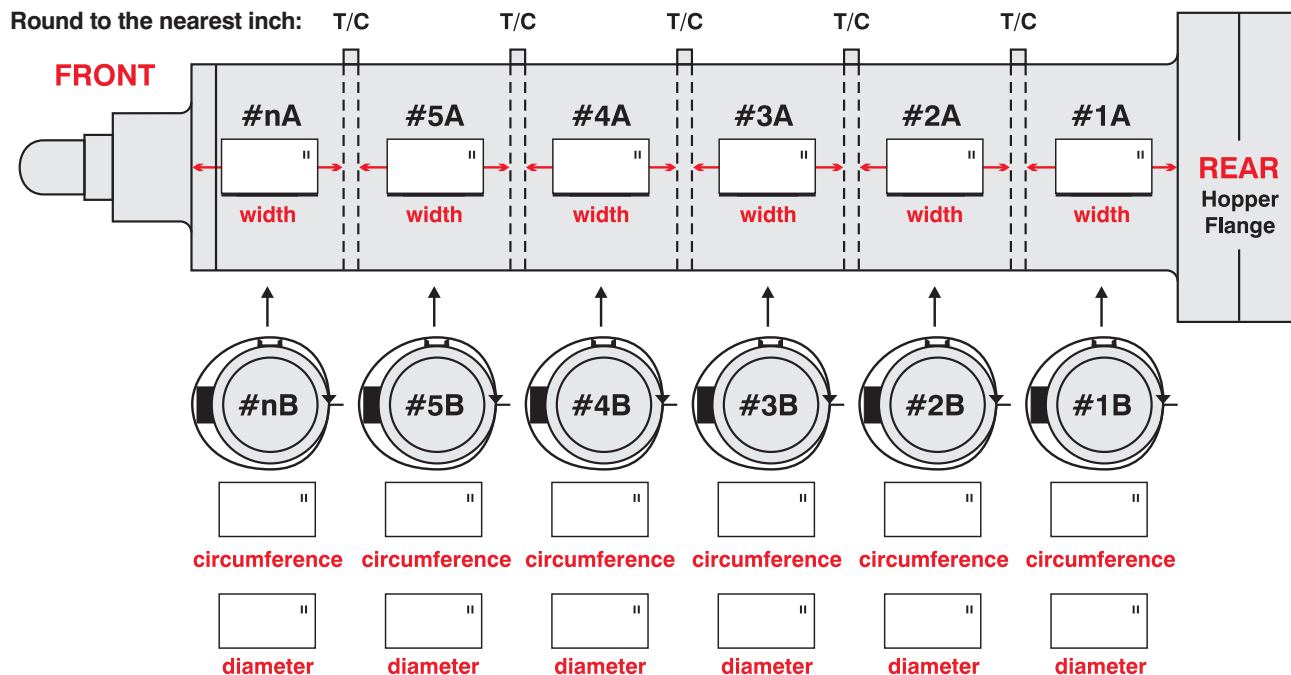
Custom UNI-VEST™ Barrel Insulation Form

Measuring Procedure (in inches):

Use form below

- The hopper is at the rear of the machine.
- Measure parts of the barrel from the operator's side, starting from the rear.
- Measure from face of the hopper flange to first thermocouple – round to closest whole inch and write it down on the form.
- Continue to measure from thermocouple to thermocouple, moving from rear to front.
- The front blanket width will end with the large diameter barrel (the start of the nozzle adaptor).
- Measure the circumference of the barrel for each of the widths identified below. Include all obstructions and projections, such as a junction box. Write this in the Circumference box below.
- Divide the circumference by 3.141 to get the barrel outside diameter. This is the I.D. (inside diameter) of the UNI-VEST™ Barrel Insulation.
- Write the I.D. in the diameter box below.

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	Brand	oz./ton	Press#
Injection	_____	_____	_____
Extrusion	_____	_____	_____
Blow Mold	_____	_____	_____
Other	_____	_____	_____

Date: _____ Quantity: _____ Phone: (_____) _____ Fax: (_____) _____

Name: _____ Title: _____

Company Name: _____ Email: _____

Address: _____

City: _____ State: _____ Zip: _____



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