



NO SWEAT™

Reusable Valve Wraps



WORRY-FREE PERFORMANCE
NO MORE CALL BACKS!

DESCRIPTION. NO SWEAT™ valve wraps are a patented flexible insulation system designed for use with pipe insulation products. The NO SWEAT removable and reusable wraps are used over an insulated valve with a reusable design to provide an ongoing protective covering to the insulated valve. The NO SWEAT valve wrap comes packaged with a 1" thick fiberglass blanket insert that is used to completely cover the insulated valve. The outer cover of the NO SWEAT wrap is made of DuPont Tychem® QC that easily stretches around the insulated valve and is secured with a Velcro closure. Tychem® QC consists of a durable Tyvek® substrate quality coated with polyethylene. Rugged and durable, Tychem® QC is a tough barrier fabric that resists punctures and tears. Tychem® QC remains flexible even in cold conditions compared to other fabrics based on measurements over a wide range of temperatures. Tychem® QC is impermeable to water.

INSTALLATION. NO SWEAT valve wraps are ideally suited for indoor or outdoor use on domestic water, chilled water, dual temperature, hot water, and steam along with other piping systems in commercial, institutional and industrial applications. Use on all outdoor vertical pipe applications of the No Sweat product should be sealed on all North Ends by using a white matching PVC tape or equal.

QUALIFICATIONS FOR USE

Hot Systems

- Tychem® QC should be limited and kept below 200°F (93°C) by use of proper insulation thickness.
- Tychem® QC should be kept away from contact with, or exposure to, sources of direct or radiated heat.
- For fittings where operating temperatures exceed 250°F (121°C), or where pipe insulation is greater than 1-1/2" (38mm), two or more layers of the insulation inserts are required beneath the NO SWEAT valve cover surface.

Cold Systems

- For fittings where operating temperature is below 45°F (7°C), or where the pipe insulation is greater than 1-1/2" (38mm), two or more layers of the insulation inserts are required beneath the NO SWEAT valve cover surface.



Operating Temperature Limits

Tychem® QC:	Up to 200°F (93°C).
Insert:	0°F to 450°F (-18°C to +232°C).
Flame Spread:	25 or less [up to 30 mil (0.8mm)]
Smoke Developed:	50 or less [up to 30 mil (0.8mm)]

Fire/Smoke Performance (ASTM E 84)

Flame Spread Index	<25
Smoke Developed Index	<50

Physical Properties of Tychem® QC

Total Basis Weight ASTM D3776-90	2.5 oz/yd²
Thickness ASTM D1777-75	10 mils
Water Vapor Transmission ASTM E 96	0.01 Perms at 37.8C/100F-RH/100%
Mullen Burst STNM D3786-87	65 psi
Breaking Strength Grab (md/cd) ASTM D5034-90	43/49 lbs
Tearing Strength Trapezoid (md/cd) ASTM D1117-80	7/5 lbs
Grade:	Weatherable.
Color:	White/gloss finish



BENEFITS

- Installs 10 times faster than traditional methods.
- Can be removed and reused after installation.
- Flexible and compressible - can be used where oversizing of insulation is impossible.
- Covers a multitude of valves including: autoflow, ball valves, strainers, circuit setters, etc.
- Matches ASJ and PVC jacket.
- Efficiently sized in eight diameters to fit 1/2" through 6" pipe sizes.
- Noncombustible and impermeable to water.
- Prevents condensation and combats mildew and mold.

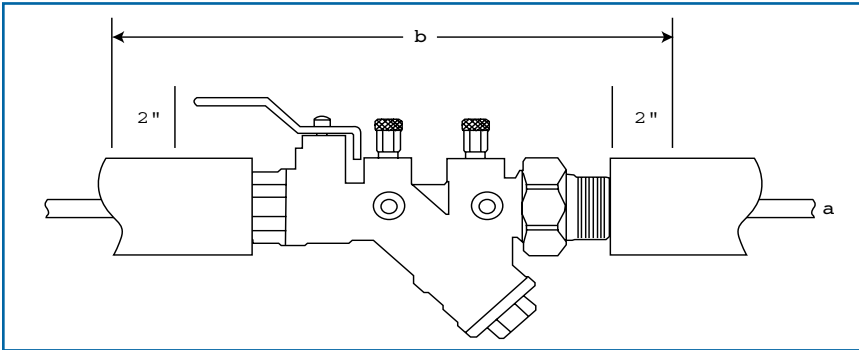
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General Properties of the NO SWEAT™ Reusable Valve Wrap When Used Over a Properly Installed Fiberglass Insulation Insert.

- Temperature Limits: 0°F to 450°F (-18°C to +232°C)
- Sanitary/Odorless: Will not absorb odors. Provides no food for insects, rodents, or mildew. Resistant to fungi and bacteria. Does not promote mold growth.
- UV Resistant: Use indoors or outdoors.
- Excellent Appearance: Bright high gloss white coloring adds a distinct quality appearance to the system.
- Long Lasting: Can be used and re-used once applied.
- Vibration Resistant: Will not settle or separate.
- Fire Safety: DuPont Tychem® QC fabric is rated as "Class 1: Normal Flammability" no unusual burning characteristics. The NO SWEAT™ removable valve wrap fiberglass insulation inserts have a UL25/50 rating and are non-combustible per ASTM E 136. Accepted for commercial, institutional, industrial, and residential projects in all parts of North America.

Thermal Efficiency of Insert (ASTM C 177)

Mean Temperature	Mean Temperature (SI)	k	k (SI)
100°F	38°C	.28	.040
200°F	93°C	.38	.055
300°F	149°C	.52	.075
400°F	204°C	.70	.101
500°F	260°C	.90	.130



Sizing Information

- a** = Diameter of the pipe.
- b** = Length of valve, including handle in the ON position plus overlap.
Allow for a 2" overlap on each end.
Example: valve with handle, 6" long + 2" + 2" = 10" long valve wrap.

When ordering, use chart below for Side **a**, then choose desired length. Example: Pipe diameter 3/4" x 1" thick insulation x 10" long use wrap #2b

PIPE INSULATION THICKNESS

Pipe Diameters	1/2"	1"	1 1/2"	2"
5/8": 1/2"	1	2	3	3
7/8": 3/4"	1	2	3	3
1 1/8": 1"	1	2	3	4
1 3/8": 1 1/4"	2	3	3	4
1 5/8": 1 1/2"	2	3	3	4
2 1/8": 2"	2	3	4	5
2 5/8": 2 1/2"	3	3	4	5
3 1/8": 3"	3	4	5	6
4 1/8": 4"	4	5	6	6
5"	5	6	7	8
6"	6	7	8	8

VALVE WRAP LENGTHS

#1a - 4"	#1b - 6"	#1c - 8"	#1d - 10"
#2a - 8"	#2b - 10"	#2c - 12"	#2d - 14"
#3a - 10"	#3b - 12"	#3c - 14"	#3d - 16"
#4a - 12"	#4b - 14"	#4c - 16"	#4d - 18"
#5a - 16"	#5b - 18"	#5c - 20"	#5d - 22"
#6a - 16"	#6b - 22"	#6c - 32"	#6d - 42"
#7a - 22"	#7b - 32"	#7c - 42"	
#8a - 22"	#8b - 32"	#8c - 42"	

{*CUSTOM SIZES AVAILABLE. \$150.00 DESIGN FEES APPLY.}

Limited Warranty and Limitation of Remedy. The physical and chemical properties of NO SWEAT insulated valve wraps represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or other materials under actual fire conditions. Check with a NO SWEAT technical representative at 800.416.4610 to assure current information. Purchaser will be responsible to determine stability of this product for purchaser's use. NO SWEAT liability will be limited to the purchase price of the material. No person is authorized to alter this warranty without a NO SWEAT officer's written approval.



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