

**PRINCE**  
RUBBER & PLASTICS CO., INC



## MILSHEFF SPRAY-STOPS™

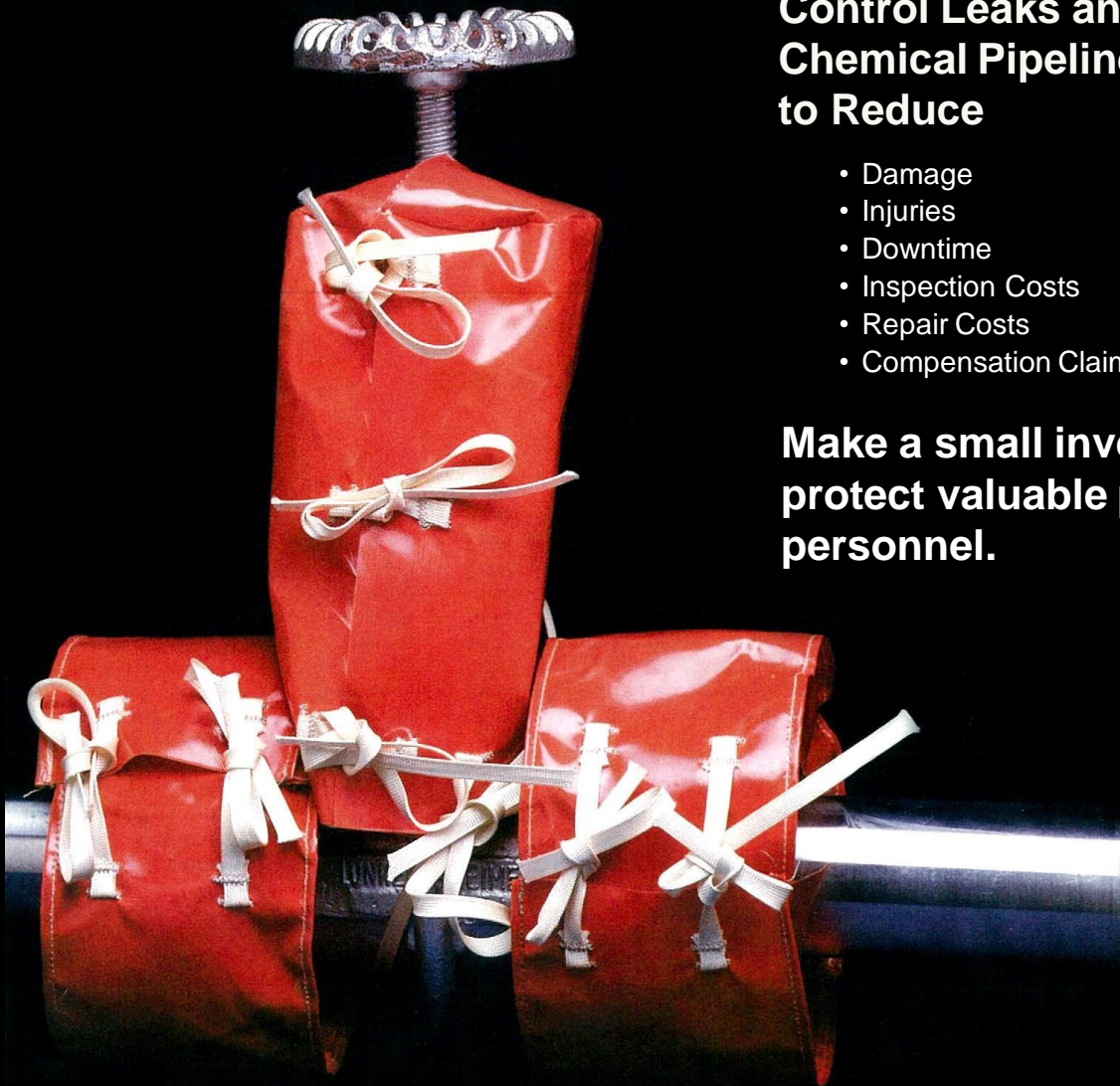
### Valve / Flange Safety Covers

SAFETY COVERS provide a much needed early-warning, visible indication of leakage. A color change triggered only from the inside by a leak lets even untrained employees see that a leak has occurred.

### Control Leaks and Sprays in Chemical Pipelines to Reduce

- Damage
- Injuries
- Downtime
- Inspection Costs
- Repair Costs
- Compensation Claims

**Make a small investment to protect valuable property and personnel.**



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## EXCLUSIVE MILSHEFF FEATURES

- Ship And Store Flat
- Field-Proven
- Sun, Rain Fume-Proof
- Compact And Light
- Easily Installed
- Woven Glass Fabric
- Contoured-Shape Covers That Fit Snugly
- Rugged Vinyl Or Teflon™ Coating
- Universal, Durable, Economical
- Removed And Replaced In Seconds
- Deflect Even Major Breaks
- Continuously Researched And Improved
- Replaces Expensive, Cumbersome, Tailor-Made, Metal Covers

### SAVE MONEY ON:

- Installation Time
- Compensation Costs
- Inspection And Maintenance
- Repairs
- Downtime

### VISIBLE INDICATOR OF LEAKS

MILSHEFF SPRAY-STOPS SAFETY COVERS provide a much needed early-warning, visible indication of leakage. A color change triggered only from the inside by a leak enables even untrained employees to see that a leak has occurred. Even a single drop of acid will bleach the inside coating; an outside spray will not affect the color. Visible from a distance, the color change hastens discovery and reduces damage. Everyone, in effect, becomes an inspector.

If leakage does occur—whether drops, spray or stream—MILSHEFF covers deflect it from spraying adjacent areas and personnel.

All models of valve and flange covers are fully-indicating (meaning the actual material changes color) except Teflon flange/Valve covers which indicate through a patch.

### TWO MATERIALS

**1. MODERATE-TEMPERATURE VINYL COVERS** — fully-indicating (meaning the actual material changes color, not just a patch) for installations where temperatures do not exceed 220°F. You can actually see where a leak occurs by the color change on that part of the cover! Resists acids, caustics, most other industrial chemicals. Available in all sizes for valves, and 1/4" up to 36" for flange covers.

**2. HIGH-TEMPERATURE TEFLON™ COVERS** — for continuous protection on pipelines carrying fluids with up to 500°F temperatures. Made from PREMIUM GRADE Teflon™ material, our Teflon™ covers withstand these high temperatures and, like vinyl, are resistant to external acids, caustics, and most other industrial chemicals. An indicating swatch is built-in to flange cover bottoms to provide the same early-warning of leakage as the Vinyl fully-indicating models.

### CONSTRUCTION

All models are made of tough woven-glass fabric coated with chemical-resistant vinyl or Teflon™. All can replace any old-fashioned made-on-the-job covers at a fraction of the cost. They are attached or removed in seconds, and are sun, rain and fume-proof. Exclusive contoured shape makes a secure fit around flanges and valves; they won't fall off under any circumstances, even in a fire!

Lightweight and compact, they fold flat for shipping and storage.

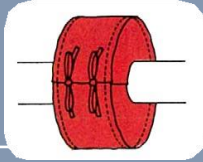
### AVAILABILITY

Standard sizes are readily available from stock and fit virtually all valves and ASA flanges in use today. Any other needed size can be supplied. Pump and expansion-joint covers are available on special order.

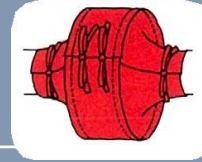




### Flange Covers



TYPE 1 - for welded and back-welded joints where leakage is likely only between flanges.



TYPE 2 - for screw-on joints where leakage is possible between pipe and flange as well as between flanges.

ASA PIPE SIZE	TYPE 1				TYPE 2			
	150 lb Vinyl	150 lb Teflon™	300 lb Vinyl	300 lb Teflon™	150 lb Vinyl	150 lb Teflon™	300 lb Vinyl	300 lb Teflon™
1/2"	F0751	F0751T	F11	F11T	F0752	F0752T	F12	F12T
3/4"	F0751	F0751T	F11	F11	F0752	F0752T	F12	F12T
1"	F11	F11T	F151	F151T	F12	F12T	F152	F152T
1 1/2"	F151	F151T	F21	F21T	F152	F152T	F22	F22T
2"	F21	F21T	F21-3	F21-3T	F22	F22T	F22-3	F22-3T
3"	F31	F31T	F31-3	F31-3T	F32	F32T	F32-3	F32-3T
4"	F41	F41T	F41-3	F41-3T	F42	F42T	F42-3	F42-3T
6"	F61	F61T	F61-3	F61-3T	F62	F62T	F62-3	F62-3T
8"	F81	F81T	F81-3	F81-3T	F82	F82T	F82-3	F82-3T
10"	F101	F101T	F101-3	F101-3T	F102	F102T	F102-3	F102-3T
12"	F121	F121T	F121-3	F121-3T	F122	F122T	F122-3	F122-3T
14"	F141	F141T	F141-3	F141-3T	F142	F142T	F142-3	F142-3T
16"	F161	F161T	F161-3	F161-3T	F162	F162T	F162-3	F162-3T
18"	F181	F181T	F181-3	F181-3T	F182	F182T	F182-3	F182-3T
20"	F201	F201T	F201-3	F201-3T	F202	F202T	F202-3	F202-3T
24"	F241	F241T	F241-3	F241-3T	F242	F242T	F242-3	F242-3T
30"	F301	F301T	F301-3	F301-3T	F302	F302T	F302-3	F302-3T
36"	F361	F361T	F361-3	F361-3T	F362	F362T	F362-3	F362-3T

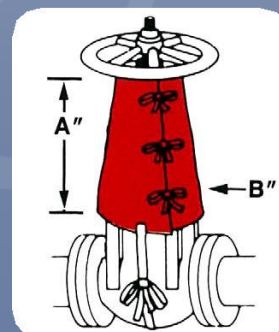
### Screw-Pipe Fitting Covers

ASA PIPE SIZE	UNIONS	ELBOWS	TEES
1/2"	U-050	L-050	T-050
3/4"	U-075	L-075	T-075
1"	U-100	L-100	T-100
1 1/2"	U-150	L-150	T-150
2"	U-200	L-200	T-200
3"	U-300	L-300	T-300
4"	U-400	L-400	T-400

### Valve Covers

Catalog Numbers (Add "T" at end for Teflon™)

3V8	6V12	10V14	16V18	30V40
3V12	6V14	10V35	16V30	30V50
3V18	6V24	10V50	16V38	30V65
4V9	6V29	12V14	18V50	30V70
4V12	6V38	12V18	20V30	35V25
4V20	7V18	12V24	20V40	35V50
5V8	7V22	12V30	20V50	35V65
5V14	8V32	14V24	23V55	40V70
5V18	9V14	14V30	25V30	45V50
5V30	9V22	14V35	25V40	45V80
5V34	9V30	15V45	25V50	55V90



NOTE: when ordering valve covers, please specify the valve manufacturer and model/figure number.

A – Height from top of Bonnet to below Bonnet Flange.  
 B – Circumference of Bonnet Flange

You need two dimensions when ordering: Dimension A and B. eg: A=30" B=40" The cover to order would be 30V40



**Valve and Flange Covers Indicating Cover Reaction List**

Indicating type covers will change color in those areas in contact with “triggering” reagents. Below is a list of some reagents and their effect on the covers. The color change will occur on the inside of the cover but will make a mark on the outside. Reagent concentration will affect the time and color change. The color of the untriggered cover is international orange. For those reagents not listed we will be pleased to furnish a sample of indicating material for your test and evaluation.

Reagent Type	% Concentration	Reaction/Color/Time	Outside Mark
Acetic Acid	100	None	None
Adipic Acid	1.4	None	None
Ammonia	28	None	None
Calc. Chloride		None	None
Carbon Tetrachloride		None	None
Chromic Acid	50	None	None
Chromic Acid	25	None	None
Ferric Chloride	70	Bleached Gray	Slightly Dark
Ferric Chloride	25	None	None
Formaldehyde	40	None	None
Hydrobromic Acid	48	Bright Yellow / Immediately	Bright Yellow
Hydrochloric Acid	38	Bright Yellow / 5 min. to white	Colorless Area
Hydrofluoric Acid	100	None	None
Hydrofluoric Acid	50	Yellow / 10 min.	Slight Stain
Hydrofluoric Acid	25	Yellow / 10 min.	Slight Stain
Hydrofluoric Acid	15	Slight Yellow / 10 min.	Slight Stain
Hydrofluoric Acid	10	White Salty Deposit	None
Hydrogen Peroxide		None	None
Nitric Acid	70	Color Removed / 5 min. White	Color Removed
Nitric Acid	30	Brilliant Yellow / 2-3 min.	Brilliant Yellow
Nitric Acid	20	Brilliant Yellow / 2-3 min.	Brilliant Yellow
Nitric Acid	5	Slight Oil Mark	Slight Oil Stain
Oleic Acid	100	Oily Mark	Oily Mark
Oxalic Acid	51	Pink Stain / 20 min.	Pink Stain
Perchloric Acid	70	None	None
Perchloroethylene	100	Oily Mark	Oily Mark
Phenol	5	Oily Mark	Oily Mark
Phosphoric Acid	85	Dark Yellow / 3 min.	Dark Yellow
Potassium Hydroxide	20	None	None
Silver Nitrate	50	Black / 15 min.	Dark Stain
Sodium Bichromate	50	Dark Stain / 3 min.	Dark Stain
Sodium Hydroxide	50	Light Yellow / 25 min.	Light Yellow
Sodium Hydroxide	35	Light Yellow / Immediately	Light Yellow
Sulfuric Acid	96	Dark Yellow / 25 min.	Med. Yellow
Sulfuric Acid	70	Light Yellow / 15 min.	Light Yellow
Sulfuric Acid	30	Light Yellow / 5 min.	Light Yellow
Sulfuric Acid	10	Light Yellow / 3 min.	Light Yellow
Sulfuric Acid	5	Light Yellow / Immediately	Almost White