



SPRINKLER FITTING SYSTEMS

FLEXIBLE FITTINGS

SUSPENDED CEILINGS

HARD-LID CEILINGS

> SPECIALTY APPLICATIONS

PRE-ASSEMBLED SYSTEMS

# VICFLEX™ DRY SPRINKLER STYLE VS1



REVOLUTIONARY FREEZE PROTECTION





SPRINKLER FITTING SYSTEMS

## SIMPLER AND SAFER SPRINKLER SYSTEMS

# FLEXIBLE TECHNOLOGY...

Annular corrugation  
for 100% kink resistance  
and 2" UL bend radius

Braided protection  
allows for  
unmatched  
flexibility



1

Sprinkler  
activated utilizing  
thermal bulb

## AVAILABLE BRACKETS

### VB1

Wood and Metal  
Stud or Joist



### VB2

Recessed Pendent,  
Suspended Ceilings



### VB3

Concealed Pendent,  
Suspended Ceilings



Standard lengths eliminate custom orders

Swivel nut connection for easy connection to the branch line

Belleville Seal opens and releases water

2

# ...MEETS DRY SPRINKLER TECHNOLOGY.

## AVAILABLE SPRINKLERS

K5.6 Commercial Quick Response and Standard Response



Flat Plate  
Concealed  
Pendant



Recessed  
Pendant



Sleeve and  
Skirt Pendant



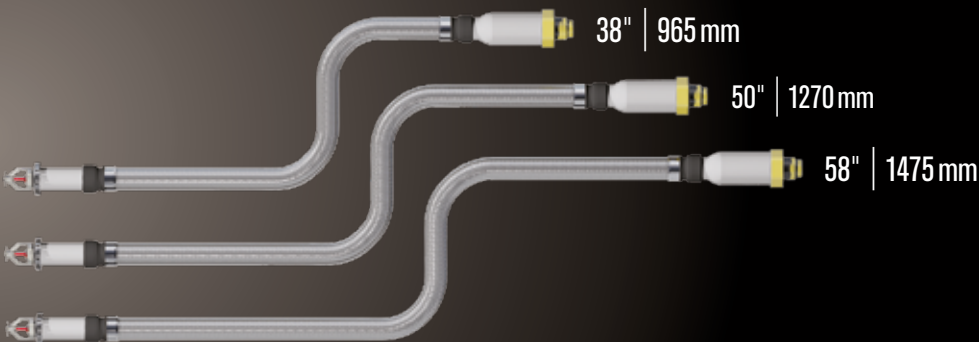
Recessed  
Sidewall



Sleeve and  
Skirt Sidewall

## AVAILABLE LENGTHS

Maximum (4) 90° Bends





SPRINKLER FITTING SYSTEMS

# BRINGING DRY SPRINKLER TECHNOLOGY IN FROM THE COLD

Imagine no longer worrying about frozen pipes and impaired systems.



## WATER AND COLD DON'T MIX. THEY CREATE ICE.

Increase sprinkler length within conditioned spaces, and move water further from freezing conditions. Improve safety and reduce headaches by eliminating frozen and burst pipes.



## INCREASE SPRINKLER SYSTEM SAFETY AND PERFORMANCE.

Reduced freeze-ups means fewer impaired systems, displaced tenants, and repair work.



## THREE CONVENIENT LENGTHS

Eliminate custom field measurements and return trips for re-measuring with the convenience of standard stock, and with peace-of-mind that installation meets NFPA requirements.



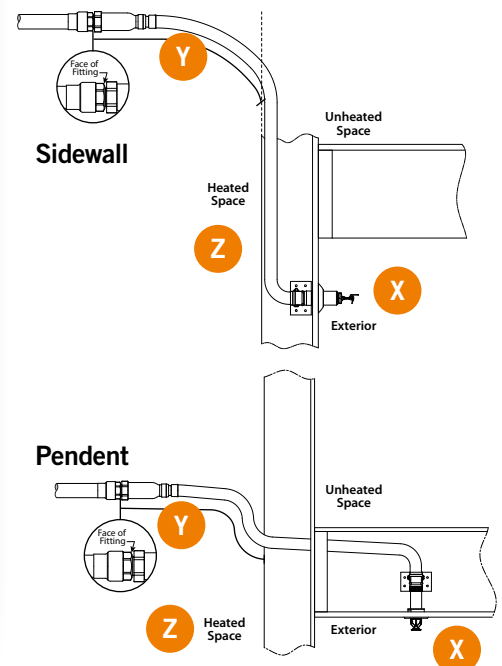
## MEETS NFPA 13 INSTALLATION REQUIREMENTS FOR DRY SPRINKLERS.

VICFLEX™ DRY SPRINKLER ACCOMMODATES FOR EVEN THE TOUGHEST CONDITIONS PRESENTED IN THE NFPA EXPOSED MINIMUM BARREL LENGTH CHART.

[Download submittal 10.91](#)  
for complete information

X Ambient Temperature Exposed to Discharge End of Sprinkler	Z Ambient Temperature of Heated Space		
	40°F   4°C	50°F   10°C	60°F   16°C
Y Exposed Minimum Barrel Length			
°F °C		inches mm	
40	0	0	0
4	0	0	0
30	0	0	0
-1	0	0	0
20	4	0	0
-7	100	0	0
10	8	1	0
-12	200	25	0
0	12	3	0
-18	300	75	0
-10	14	4	1
-23	350	100	25
-20	14	6	3
-29	350	150	75
-30	16	8	4
-34	400	200	100
-40	18	8	4
-40	450	200	100
-50	20	10	6
-46	500	250	150
-60	20	10	6
-51	500	250	150

VicFlex flexible technology allows for simple installation that meets or exceeds NFPA 13 installation requirements. No longer worry if the installation is ¼" | 6 mm or 4" | 100 mm too short.



2016 Edition NFPA 13: Table 8.4.9.1(a) and (b) Exposed Barrel Lengths for Dry Sprinklers



LONGER SPRINKLER BARREL LENGTHS AND A TIGHT BEND RADIUS MEANS PENDENT INSTALLATIONS ARE A REALITY.



SPRINKLER FITTING SYSTEMS

“THERE’S NOTHING BETTER THAN HAVING EVERYTHING ALREADY IN YOUR TRUCK. STANDARD PRODUCT AND STANDARD TOOLS FOR A JOB IS IDEAL.”

David Satterfield,  
VSC Fire and Security

# ONE ORDER. ONE VISIT.

NO HEADACHES.



The VicFlex™ swivel nut allows easy connection to the branch line.



Simple, one-piece brackets with no loose parts. Requires only one tool for the entire installation.

## Step #

## VicFlex™ Dry Sprinklers

- |   |  |
|---|--|
| 1 | Order <i>VicFlex</i> Dry Sprinklers from stock     |
| 2 | Install <i>VicFlex</i> Dry Sprinklers and brackets |
| 3 | Test system  |

VISIT 1

## Step #

## Traditional Dry Sprinklers

- |   |  |
|---|--|
| 1 | Measure each dry sprinkler length and corresponding location                 |
| 2 | Special order dry sprinklers   |
| 3 | Days to weeks of lead time   |
| 4 | Unpack and organize according to sprinkler length and corresponding location |
| 5 | Install dry sprinklers   |
| 6 | Reorder dry sprinklers for discrepancies                                     |
| 7 | Wait for second delivery of dry sprinklers                                   |
| 8 | Complete dry sprinkler installation  |
| 9 | Test system  |

VISIT 1

VISIT 2

VISIT 3

- > Stockable product means no waiting for delivery and reduced coordination.
- > Order VicFlex™ Dry Sprinklers at the same time as other material.
- > Eliminate measuring and simplify ordering with three standard lengths.
- > Reduce trips to the jobsite.



SPRINKLER FITTING SYSTEMS

# UNOBSTRUCTED DESIGN.



## DELIVER BEAUTIFUL SPACES WITHOUT COMPROMISING ON THE QUALITY OF YOUR CRAFT

Forget about those unsightly soffits that obstruct the wide sight lines to the balcony. No one likes them, but in order to ensure the sprinkler piping would be in a conditioned/heated space, we all lived with them. Now there can be beautiful views and comfort knowing the sprinkler pipe won't freeze.



PRE-ASSEMBLED SYSTEMS

> SPECIALTY APPLICATIONS

HARD-LID CEILINGS

SUSPENDED CEILINGS

FLEXIBLE FITTINGS

## ENABLES CLEAN, ATTRACTIVE ARCHITECTURE

Stop wasting time figuring out how to hide sprinkler pipe; spend time designing and building the next big job.

VicFlex™ Dry Sprinklers are both effective and hidden.





SPRINKLER FITTING SYSTEMS

# TYPICAL APPLICATIONS

FOR BOTH WET AND DRY SPRINKLER SYSTEMS



Multi-Family Residential



Balconies and Breezeways



Parking Garages



Assisted Living Facilities

# CASE STUDY

**“EDUCATION AND FOLLOWING NFPA CODE IS KEY TO KEEPING LIVES SAFE AND PROPERTY INTACT. EVERY DRY SPRINKLER CONCERN I’VE HAD IN THE PAST HAS BEEN ANSWERED. IT JUST MAKES SENSE.”**

Steve Berry,  
City of Raleigh North Carolina  
Assistant Fire Marshall

Veteran sprinkler contractor David Satterfield of VSC Fire and Security and Raleigh Assistant Fire Marshall Steve Berry opted for VicFlex™ VS1 Dry Sprinkler technology from Victaulic to protect a new multi-family residential building in Raleigh, North Carolina.

When choosing a dry sprinkler solution for the balcony application, several requirements were considered including NFPA 13 requirements for exposed sprinkler length, aesthetics of eliminating soffits, and reducing trips to the job site. Taking these design and installation challenges into mind it was easy for them to see the benefits of installing *VicFlex* Dry Sprinklers.

Sattersfield and Berry were present for the install, along with representatives from Victaulic, and all were impressed with the installation speed and versatility of the *VicFlex* Dry Sprinkler.

To conceal the sprinkler heads from sight on the balconies and eliminate the need for soffits, the flexible dry sprinklers were installed in a pendent orientation. The team was most impressed with the distance that the wet pipe moved back into the conditioned space, recognizing the increased safety factor of using *VicFlex* Dry Sprinklers.

When asked to describe the *VicFlex* Dry Sprinkler, David Satterfield simply replied with “No more freeze-ups.”



## Everyone Wins.



Increased safety, peace-of-mind



Increased convenience



Increased design flexibility



# VICTAULIC® WORLDWIDE

## North and South America

### UNITED STATES AND WORLD HEADQUARTERS

4901 Kesslersville Road  
Easton, PA 18040 USA

1 800 PICK VIC  
1 800 742 5842  
(within North America)  
1 610 559 3300

[pickvic@victaulic.com](mailto:pickvic@victaulic.com)

### CANADA

123 Newkirk Road  
Richmond Hill  
Ontario L4C 3G5 Canada  
1 905 884 7444

[viccanada@victaulic.com](mailto:viccanada@victaulic.com)

### MEXICO

Calle Circuito del Marqués  
No 8 al 11  
Parque Industrial El Marqués  
Municipio El Marqués  
Queretaro, Mexico  
CP 76246  
52 442 253 0066

[vical@victaulic.com](mailto:vical@victaulic.com)

### BRAZIL

Av. Marquês de São Vicente  
446 Cj 1303  
Várzea da Barra Funda –  
São Paulo-SP  
CEP 01139-000 – Brazil  
55 11 3548 4280

[vicbr@victaulic.com](mailto:vicbr@victaulic.com)

## Europe, Middle East, Africa and India

### BELGIUM EUROPE HEADQUARTERS

Prijkelstraat 36  
9810 Nazareth, Belgium  
32 9 381 15 00  
49 6151 9573 0  
(within Germany)

[viceuro@victaulic.com](mailto:viceuro@victaulic.com)

### UNITED KINGDOM

Units B1 & B2, SG1 Industrial Park  
Cockerell Close, Gunnels Wood Road  
Stevenage, Hertfordshire, UK  
SG 1 2NB  
44 1438 310 690

[viceuro@victaulic.com](mailto:viceuro@victaulic.com)

### UNITED ARAB EMIRATES

FZ LIU10 AA01, AA02, AA03,  
AA04 and AA05  
Al Munawala Street  
Jebel Ali Freezone – Southzone  
PO BOX 17683  
Jebel Ali, Dubai  
UAE-United Arab Emirates

971 4 883 88 70

[viceuro@victaulic.com](mailto:viceuro@victaulic.com)

### INDIA

India Land Global Industrial Park  
Plot 4, Hinjewadi, Phase-1, Mulshi  
Pune 411057, India  
91 20 67 919 300

[viceuro@victaulic.com](mailto:viceuro@victaulic.com)

## Asia Pacific

### CHINA

Unit 808, Building B  
Hongwell International Plaza  
No.1602 West Zhongshan Road  
Shanghai, China 200235  
86 21 6021 9400

[vicap@victaulic.com](mailto:vicap@victaulic.com)

### KOREA

4F, Seoil Building, 1430-5,  
Seocho-Dong, Seocho-Gu  
Seoul, Korea 137-070  
82 2 521 7235

[vicap@victaulic.com](mailto:vicap@victaulic.com)

### TAIWAN

No. 55, NanGong Rd, LuZhu District  
TaoYuan City 338, Taiwan  
886 3 222 3220

[vicap@victaulic.com](mailto:vicap@victaulic.com)

### AUSTRALIA AND NEW ZEALAND

7 Chambers Road  
Unit 1  
Altona North, Victoria  
Australia 3025  
1 300 PIC VIC  
1 300 742 842  
(within Australia)

0 508 PICK VIC  
0 508 7425 842  
(within New Zealand)

61 3 9392 4000

[vicaust@victaulic.com](mailto:vicaust@victaulic.com)

For additional locations, information and  
support, visit [www.victaulic.com/contactus](http://www.victaulic.com/contactus)



[vicflex.com](http://vicflex.com)



PB-VS1 9398 REV C 07/2016

*Victaulic* and all other Victaulic marks are the trademarks or registered trademarks of Victaulic Company, and/or its affiliated entities, in the U.S. and/or other countries. All other trademarks listed herein are the property of their respective holders, in the U.S. and/or other countries. The terms "Patented" or "Patent Pending" refer to design or utility patents or patent applications for articles and/or methods of use in the United States and/or other countries.

© 2016 VICTAULIC COMPANY. ALL RIGHTS RESERVED.

