



**NEW**

JL-14 ESFR

- SIN RA1812
- K Factor = 14 (200)
- See Bulletin 018



HL-14 ESFR

- SIN RA0512
- K Factor = 14
- See Bulletin 005



H ESFR

- SIN R5012
- K Factor = 14
- See Bulletin 150

M T O	Part Number	Temperature	Finish	List Price
<b>3/4" NPT THREADS (20MM)</b>				
	JL141B	165°F 74°C	Bronze	\$ 63.01
	JL142B	212°F 100°C	Bronze	\$ 63.01

WJ1 Requires Model J1 Sprinkler Wrench \$ 71.00

M T O	Part Number	Temperature	Finish	List Price
<b>3/4" NPT THREADS (20MM)</b>				
	ESFRL1	165°F 74°C	Bronze	\$ 63.01
	ESFRL2	212°F 100°C	Bronze	\$ 63.01

WH Requires Model H-22 Sprinkler Wrench \$ 71.00

M T O	Part Number	Temperature	Finish	List Price
<b>3/4" NPT THREADS (20MM)</b>				
	ESFR1	155°F 68°C	Bronze	\$ 63.01
	ESFR2	200°F 93°C	White	\$ 63.01
	ESFR3	286°F 141°C	Bronze	\$ 63.01

WH Requires Model H Sprinkler Wrench \$ 71.00

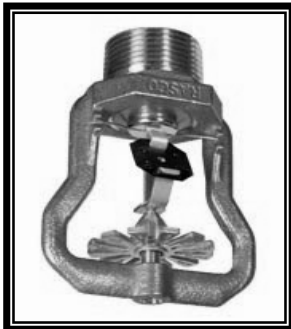


M T O	Part Number	Temperature	Finish	List Price
<b>3/4" NPT THREADS (20MM)</b>				
	JL171B	165°F 74°C	Bronze	\$ 33.00
	JL172B	212°F 100°C	Bronze	\$ 33.00
	WJ1	Requires Model J1 Sprinkler Wrench		\$ 71.00

## NEW

### JL-17 ESFR

- SIN RA1914
- K Factor = 16.8 (241.9)
- Pendent Only
- See Bulletin 019



M T O	Part Number	Temperature	Finish	List Price
<b>1" NPT THREADS (25MM)</b>				
	HL221	165°F 74°C	Bronze	\$ 87.29
	HL222	212°F 100°C	Bronze	\$ 87.29
	WH22	Requires Model H2 Sprinkler Wrench		\$ 74.00

### HL-22 ESFR

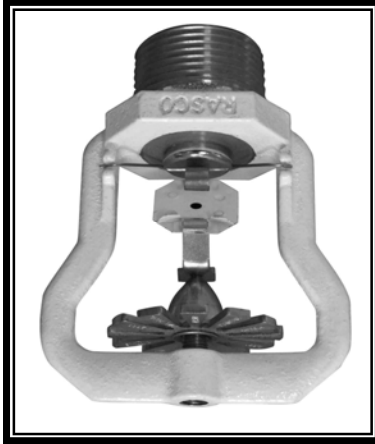
- SIN RA1011
- K Factor = 22
- See Bulletin 010



M T O	Part Number	Temperature	Finish	List Price
<b>1" NPT THREADS (25MM)</b>				
	K221	155°F 68°C	Bronze	\$ 87.29
	K222	200°F 93°C	Bronze	\$ 87.29
	WH22	Requires Model H2 Sprinkler Wrench		\$ 74.00

### K-22 Magnum

- SIN R6611
- K Factor = 22
- See Bulletin 166



M T O	Part Number	Temperature	Finish	List Price
<b>1" NPT THREADS (25MM)</b>				
	DBA4115391	212°F 100°C	Bronze*	\$ 95.00
<b>METRIC - ISO 7-R1</b>				
	DBA4115393	212°F 100°C	Bronze*	\$ 95.00

WH1 Requires Model H1 Sprinkler Wrench \$ 71.00

\*Sprinkler frame is painted White in order to provide a visual identifier of the temperature rating.

# NEW

HL-22 SPECIFIC  
APPLICATION ESR

- SIN R7711
- K Factor = 22.4 (320)
- Pendent Only
- See Bulletin 177

**Features:**

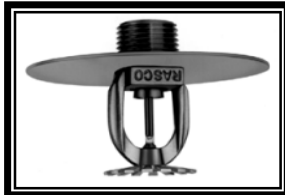
1. Eliminates in-rack sprinklers for 48' high buildings
2. Lower flows offer opportunities to reduce:
  - Interior Piping
  - Fire Pump Sizes
  - Underground Pipe
  - Tank Sizes
3. Maximum deflector distance from ceiling (roof) is 14" (356mm)
4. Available in 212°F (100°C)
5. UL approved



**F1FR Intermediate**

- Quick Response
- Upright
- See Bulletin 170

M T O	Part Number	Temperature		Finish	List Price
<b>1/2" ORIFICE, 1/2" NPT THREADS (15MM)</b>					
X	F1FRUI0B	135°F	57°C	Bronze	\$ 46.60
X	F1FRUI1B	155°F	68°C	Bronze	\$ 46.60
X	F1FRUI5B	175°F	79°C	Bronze	\$ 46.60
X	F1FRUI2B	200°F	93°C	Bronze	\$ 46.60
X	F1FRUI3B	286°F	141°C	Bronze	\$ 46.60
<b>17/32" ORIFICE, 3/4" NPT THREADS (20MM)</b>					
X	F1FRUI0LB	135°F	57°C	Bronze	\$ 48.54
X	F1FRUI1LB	155°F	68°C	Bronze	\$ 48.54
X	F1FRUI5LB	175°F	79°C	Bronze	\$ 48.54
X	F1FRUI2LB	200°F	93°C	Bronze	\$ 48.54
X	F1FRUI3LB	286°F	141°C	Bronze	\$ 48.54



**F1FR Intermediate**

- Quick Response
- Pendent
- See Bulletin 170

M T O	Part Number	Temperature		Finish	List Price
<b>1/2" ORIFICE, 1/2" NPT THREADS (15MM)</b>					
X	F1FRPI0B	135°F	57°C	Bronze	\$ 46.60
X	F1FRPI1B	155°F	68°C	Bronze	\$ 46.60
X	F1FRPI5B	175°F	79°C	Bronze	\$ 46.60
X	F1FRPI2B	200°F	93°C	Bronze	\$ 46.60
X	F1FRPI3B	286°F	141°C	Bronze	\$ 46.60
<b>17/32" ORIFICE, 3/4" NPT THREADS (20MM)</b>					
X	F1FRPI0LB	135°F	57°C	Bronze	\$ 48.54
X	F1FRPI1LB	155°F	68°C	Bronze	\$ 48.54
X	F1FRPI5LB	175°F	79°C	Bronze	\$ 48.54
X	F1FRPI2LB	200°F	93°C	Bronze	\$ 48.54
X	F1FRPI3LB	286°F	141°C	Bronze	\$ 48.54

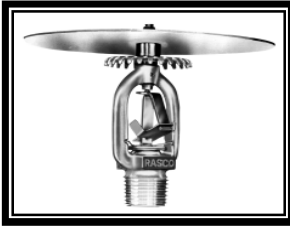
WGFR Requires Model GFR1 (PEND) Sprinkler Wrench \$ 178.00

WD Requires Model D (UPRIGHT) Sprinkler Wrench \$ 46.00

Please refer to the latest sales bulletin for specific approval listings and available finishes.

See our "Specialties Page" for special finish charges — including Teflon Tape.

Items that are MTO (indicated by "x") allow 7-10 work days.



**GFR INTERMEDIATE**

- Quick Response
- Upright
- See Bulletin 131

M T O	Part Number	Temperature	Finish	List Price
<b>1/2" ORIFICE, 1/2" NPT THREADS (15MM)</b>				
X	GFRUI1B	165°F 74°C	Bronze	\$ 61.03
X	GFRUI1C	165°F 74°C	Chrome	\$ 67.83
<b>17/32" ORIFICE, 3/4" NPT THREADS (20MM)</b>				
X	GFRUI1LB	165°F 74°C	Bronze	\$ 66.87
X	GFRUI1LC	165°F 74°C	Chrome	\$ 69.59



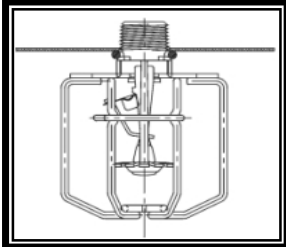
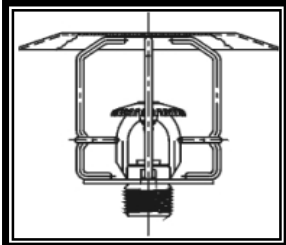
**GFR INTERMEDIATE**

- Quick Response
- Pendant
- See Bulletin 131

M T O	Part Number	Temperature	Finish	List Price
<b>1/2" ORIFICE, 1/2" NPT THREADS (15MM)</b>				
X	GFRPI1B	165°F 74°C	Bronze	\$ 61.03
X	GFRPI1C	165°F 74°C	Chrome	\$ 67.83
<b>17/32" ORIFICE, 3/4" NPT THREADS (20MM)</b>				
X	GFRPI1LB	165°F 74°C	Bronze	\$ 66.87
X	GFRPI1LC	165°F 74°C	Chrome	\$ 69.59

WGFR	Requires Model GFR1 (PEND) Sprinkler Wrench	\$ 178.00
WD	Requires Model D (UPRIGHT) Sprinkler Wrench	\$ 46.00

Please refer to the latest sales bulletin for specific approval listings and available finishes.  
See our "Specialties Page" for special finish charges — including Teflon Tape.  
Items that are MTO (indicated by "x") allow 7-10 work days.



### D3 & D5 GUARDS

- F1FR Int. Level Spk W/ Guard and Shield Assembled
- UL, cUL & NYC MEA Approved
- See Bulletin 131

Please refer to the latest sales bulletin for specific approval listings and available finishes.  
See our "Specialties Page" for special finish charges — including Teflon Tape.  
Items that are MTO (indicated by "x") allow 7-10 work days.

M T O	Part Number	Temperature		Finish	List Price
<b>D-3 SPRINKLER W/ GUARD &amp; SHIELD ASSEMBLY — F1FR UPRIGHT</b>					
X	F1FRU0BD3	135°F	57°C	Bronze	\$ 38.38
X	F1FRU1BD3	155°F	68°C	Bronze	\$ 38.38
X	F1FRU5BD3	175°F	79°C	Bronze	\$ 38.38
X	F1FRU2BD3	200°F	93°C	Bronze	\$ 38.38
X	F1FRU3BD3	286°F	141°C	Bronze	\$ 38.38
<b>D-5 SPRINKLER W/ GUARD &amp; SHIELD ASSEMBLY — F1FR PENDENT (1/2" OR 15MM)</b>					
X	F1FRP0BD5	135°F	57°C	Bronze	\$ 38.38
X	F1FRP1BD5	155°F	68°C	Bronze	\$ 38.38
X	F1FRP5BD5	175°F	79°C	Bronze	\$ 38.38
X	F1FRP2BD5	200°F	93°C	Bronze	\$ 38.38
X	F1FRP3BD5	286°F	141°C	Bronze	\$ 38.38
<b>D-5 SPRINKLER W/ GUARD &amp; SHIELD ASSEMBLY — F1FR PENDENT (17/32" OR 20MM)</b>					
X	F1FRP0LBD5	135°F	57°C	Bronze	\$ 43.20
X	F1FRP1LBD5	155°F	68°C	Bronze	\$ 43.20
X	F1FRP5LBD5	175°F	79°C	Bronze	\$ 43.20
X	F1FRP2LBD5	200°F	93°C	Bronze	\$ 43.20
X	F1FRP3LBD5	286°F	141°C	Bronze	\$ 43.20

### Note:

The above sprinklers come with a zinc guard and shield already attached to a bronze sprinkler. This eliminates the need for field attachment!

Sprinkler guards are listed and approved only for use with specific sprinklers. The use of any other guards on these sprinklers may impede their operation or distribution and negate all approvals and warranties.



## D1 SPK & GUARD ASSEMBLY

- For Model F1FR Sprinklers
- UL, cUL  
& NYC MEA Approved
- See Bulletin 208

Please refer to the latest sales bulletin for specific approval listings and available finishes.  
See our "Specialties Page" for special finish charges — including Teflon Tape.  
Items that are MTO (indicated by "x") allow 7-10 work days.

M T O	Part Number	Temperature		Finish	List Price
<b>F1FR UPRIGHT SPRINKLER &amp; GUARD ASSEMBLY (1/2"/15MM)</b>					
X	F1FRU0BD1	135°F	57°C	Bronze	\$ 35.70
X	F1FRU1BD1	155°F	68°C	Bronze	\$ 35.70
X	F1FRU5BD1	175°F	79°C	Bronze	\$ 35.70
X	F1FRU2BD1	200°F	93°C	Bronze	\$ 35.70
X	F1FRU3BD1	286°F	141°C	Bronze	\$ 35.70
<b>F1FR PENDENT SPRINKLER &amp; GUARD ASSEMBLY (1/2"/15MM)</b>					
X	F1FRP0BD1	135°F	57°C	Bronze	\$ 35.70
X	F1FRP1BD1	155°F	68°C	Bronze	\$ 35.70
X	F1FRP5BD1	175°F	79°C	Bronze	\$ 35.70
X	F1FRP2BD1	200°F	93°C	Bronze	\$ 35.70
X	F1FRP3BD1	286°F	141°C	Bronze	\$ 35.70
<b>F1FR UPRIGHT SPRINKLER &amp; GUARD ASSEMBLY (17/32"/20MM)</b>					
X	F1FRU0LBD1	135°F	57°C	Bronze	\$ 40.33
X	F1FRU1LBD1	155°F	68°C	Bronze	\$ 40.33
X	F1FRU5LBD1	175°F	79°C	Bronze	\$ 40.33
X	F1FRU2LBD1	200°F	93°C	Bronze	\$ 40.33
X	F1FRU3LBD1	286°F	141°C	Bronze	\$ 40.33
<b>F1FR PENDENT SPRINKLER &amp; GUARD ASSEMBLY (17/32"/20MM)</b>					
X	F1FRP0LBD1	135°F	57°C	Bronze	\$ 40.33
X	F1FRP1LBD1	155°F	68°C	Bronze	\$ 40.33
X	F1FRP5LBD1	175°F	79°C	Bronze	\$ 40.33
X	F1FRP2LBD1	200°F	93°C	Bronze	\$ 40.33
X	F1FRP3LBD1	286°F	141°C	Bronze	\$ 40.33
<b>GUARDS ONLY</b>					
	GC1	C-1 Universal		Zinc	\$ 6.24
	GC2	C-2 Dry Pendent		Zinc	\$ 8.65
	GD1	D-1 Universal		Zinc	\$ 8.56
<b>GUARDS AND SHIELDS</b>					
	GD3	D-3 (Upright)		Zinc	\$ 10.12
	GD51	D-5 (1/2" or 15mm)		Zinc	\$ 19.44
	GD53	D-5 (3/4" or 20mm)		Zinc	\$ 19.44
	GD41	D-4 (1/2" or 15mm)		Zinc	\$ 21.78
	GD43	D-4 (3/4" or 20mm)		Zinc	\$ 21.78
	GC3	C-3 (SU INT)		Zinc	\$ 12.76
	GC51	C-5 (1/2" or 15mm)		Zinc	\$ 17.86
X	GC53	C-5 (3/4" or 20mm)		Zinc	\$ 17.86

WJ      Requires New Model J Sprinkler Wrench      \$      85.00