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Water Products

Product Brochure | ASIA



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SPRINKLERS

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Standard Response | Bulb

	Pendent	Pendent (Cleanroom)	Upright	Conventional
SIN	VK1021	VK850	VK1001	VK1181
K 5.6 / 80.6 ½"NPT, 15mmBSP				
Working Pressure	250 psi / 17 bar	250 psi / 17 bar	250 psi / 17 bar	175 psi / 12 bar
Temperature	57-141°C / 135-286°F	57-141°C / 135-286°F	57-141°C / 135-286°F	57-141°C / 135-286°F
Finishes*	B C WP BP E	B C WP BP E	B C WP BP E	B C WP BP E
Tech. Datasheet	F_102520	F_110524	F_102420	F_102720
SIN	VK2021	VK851	VK2001	VK1201
K 8.0 / 115.2 ¾"NPT, 20mmBSP				
Working Pressure	175 psi / 12 bar	175 psi / 12 bar	175 psi / 12 bar	175 psi / 12 bar
Temperature	57-141°C / 135-286°F	57-141°C / 135-286°F	57-141°C / 135-286°F	57-141°C / 135-286°F
Finishes*	B C WP BP E	B WP BP E	B C WP BP E	B C WP BP E
Tech. Datasheet	F_110120	F_110624	F_103020	F_102820
SIN	VK2022		VK2002	VK1202
K 8.0 / 115.2 ½"NPT, 15mmBSP				
Working Pressure	175 psi / 12 bar		175 psi / 12 bar	175 psi / 12 bar
Temperature	57-141°C / 135-286°F		57-141°C / 135-286°F	57-141°C / 135-286°F
Finishes*	B C WP BP E		B C WP BP E	B C WP BP E
Tech. Datasheet	F_110220		F_103120	F_102920

	Concealed Pendent	Horizontal Sidewall	Horizontal Sidewall	Vertical Sidewall	Pendent (Stainless Steel)	Upright (Stainless Steel)
SIN	VK4921	VK104	VK116	VK106	VK132	VK130
K 5.6 / 80.6 ½"NPT, 15mmBSP						
Working Pressure	250 psi / 17 bar	175 psi / 12 bar	250 psi / 17 bar	175 psi / 12 bar	175 psi / 12 bar	175 psi / 12 bar
Temperature	68-93°C / 155-200°F	57-182°C / 135-360°F	57-182°C / 135-360°F	57-141°C / 135-286°F	68-260°C / 155-500°F	68-260°C / 155-500°F
Finishes*	B E	B C WP BP W PW E	B C WP BP E	B C	SS SW	SS SW
Tech. Datasheet	F_092221	F_033514	F_082014	F_052414	F_060691	F_060691

*Finishes

B – Brass
 C - Chrome
 WP - White Polyester
 BP - Black Polyester
 E - ENT
 BE - Black PTFE
 W - Wax Coated
 PW - Wax on Polyester
 SS - Stainless Steel
 SW - Wax on Steel

Notes:
 250psi / 17 bar pressure ratings are in accordance with UL Listing.
 Refer to Technical data for more details.

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Quick Response | Bulb

	Pendent	Pendent (Cleanroom)	Upright	Conventional	Pendent (Stainless Steel)	Upright (Stainless Steel)
SIN K 5.6 / 80.6 ½"NPT, 15mmBSP Working Pressure Temperature Finishes* Tech. Datasheet	VK3021  250 psi / 17 bar 57-141°C / 135-286°F B C WP BP E F_110720	VK852  250 psi / 17 bar 57-141°C / 135-286°F B WP BP E F_110724	VK3001  250 psi / 17 bar 57-141°C / 135-286°F B C WP BP E F_110420	VK3101  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111020	VK339  175 psi / 12 bar 68-141°C / 155-286°F SS SW F_073107	VK338  175 psi / 12 bar 68-141°C / 155-286°F SS SW F_073107
SIN K 8.0 / 115.2 ¾"NPT, 20mmBSP Working Pressure Temperature Finishes* Tech. Datasheet	VK3521  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111320	VK853  175 psi / 12 bar 57-141°C / 135-286°F B WP BP E F_110824	VK3501  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111120	VK3541  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111620		
SIN K 8.0 / 115.2 ½"NPT, 15mmBSP Working Pressure Temperature Finishes* Tech. Datasheet	VK3522  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111420		VK3502  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111220	VK3542  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_111720		
SIN K 11.2 / 161.2 ½"NPT, 15mmBSP Working Pressure Temperature Finishes* Tech. Datasheet	VK377  175 psi / 12 bar 68-141°C / 155-286°F B C WP BP E F_030993					

	Concealed Pendent	Concealed Pendent (MRI)	Horizontal Sidewall	Horizontal Sidewall	Vertical Sidewall
SIN K 5.6 / 80.6 ½"NPT, 15mmBSP Working Pressure Temperature Finishes* Tech. Datasheet	VK4621  250 psi / 17 bar 68-93°C / 155-200°F B E F_092121	VK462 - MRI  175 psi / 12 bar 68-93°C / 155-200°F B F_062908	VK305  175 psi / 12 bar 57-141°C / 135-286°F B C WP BP E F_060914	VK319  250 psi / 17 bar 57-141°C / 135-286°F B C WP BP E F_030103	VK306  175 psi / 12 bar 57-141°C / 135-286°F B C F_060614
SIN K 8.0 / 115.2 ¾"NPT, 20mmBSP Working Pressure Temperature Finishes* Tech. Datasheet	VK464  175 psi / 12 bar 68-93°C / 155-200°F B E F_021606	VK464 (MRI)  175 psi / 12 bar 68-93°C / 155-200°F B F_062908	VK360  175 psi / 12 bar 57-93°C / 135-200°F B C WP BP E F_092508		

***Finishes**
 B – Brass
 C – Chrome
 WP – White Polyester
 BP – Black Polyester
 E – ENT
 BE – Black PTFE
 W – Wax Coated
 PW – Wax on Polyester
 SS – Stainless Steel
 SW – Wax on Steel

Notes:
 250psi / 17 bar pressure ratings are in accordance with UL Listing.
 Refer to Technical data for more details.

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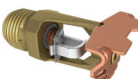


Standard Response | Fusible link

	Pendent	Upright	Pendent (Stainless Steel)	Concealed Horizontal SW
SIN	VK110	VK108		VK481**
K 5.6 / 80.6 ½"NPT, 15mmBSP				
Working Pressure Temperature Finishes*	175 psi / 12 bar 74-141°C / 165-286°F B C WP BP E	175 psi / 12 bar 74-141°C / 165-286°F B C WP BP E		175 psi / 12 bar 74-96°C / 165-205°F B
Tech. Datasheet	F_052314	F_052214		F_020312
SIN	VK206	VK204	VK368	
K 8.0 / 115.2 ¾"NPT, 20mmBSP				
Working Pressure Temperature Finishes*	175 psi / 12 bar 74-141°C / 165-286°F B C WP BP	175 psi / 12 bar 74-141°C / 165-286°F B C WP BP	175 psi / 12 bar 74-96°C / 165-205°F SS	
Tech. Datasheet	F_060514	F_060414	F_071917	

Quick Response | Fusible link

	Pendent	Pendent	Upright	Upright	Conventional
SIN	VK303	VK318	VK301	VK316	VK311
K 5.6 / 80.6 ½"NPT, 15mmBSP					
Working Pressure Temperature Finishes*	175 psi / 12 bar 74-138°C / 165-280°F B C WP BP E	250 psi / 17 bar 74-138°C / 165-280°F B C WP BP E	175 psi / 12 bar 74-138°C / 165-280°F B C WP BP E	250 psi / 17 bar 74-138°C / 165-280°F B C WP BP E	175 psi / 12 bar 74-138°C / 165-280°F B C WP BP E
Tech. Datasheet	F_062514	F_062914	F_062414	F_062814	F_022614
SIN	VK353		VK351		VK355
K 8.0 / 115.2 ¾"NPT, 20mmBSP					
Working Pressure Temperature Finishes*	175 psi / 12 bar 74-138°C / 165-280°F B C WP BP BE		175 psi / 12 bar 74-138°C / 165-280°F B C WP BP E		175 psi / 12 bar 74-138°C / 165-280°F B C WP BP
Tech. Datasheet	F_071814		F_071714		F_071914

	Horizontal Sidewall	Horizontal Sidewall	Vertical Sidewall	Concealed Horizontal Sidewall
SIN	VK307	VK320	VK309	VK481**
K 5.6 / 80.6 ½"NPT, 15mmBSP				
Working Pressure Temperature Finishes*	175 psi / 12 bar 74-138°C / 165-280°F B C WP BP E	250 psi / 17 bar 74-138°C / 165-280°F B C WP BP E	175 psi / 12 bar 74-138°C / 165-280°F B C WP BP BE	175 psi / 12 bar 74-96°C / 165-205°F B
Tech. Datasheet	F_062714	F_020307	F_020407	F_020312

***Finishes**
 B – Brass
 C - Chrome
 WP - White Polyester
 BP - Black Polyester
 E - ENT
 BE - Black PTFE
 W - Wax Coated
 PW - Wax on Polyester
 SS - Stainless Steel
 SW - Wax on Steel

Notes:
 250psi / 17 bar pressure ratings are in accordance with UL Listing.
 ** FM Approved as Standard Response, UL listed as Quick Response.
 Refer to Technical data for more details.

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Pendent and Recessed Pendent

VK600 | EC/QREC | K5.6/80.6



Base part number	06778
Working Pressure	175psi/12.1bar
High Pressure Model	250psi/17.2bar (VK610)
Approvals	cULus, FM
Thread size & type	½"/15 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C
Wrench	21475M/B 13577W/B (recessed)
Datasheet	F_080988

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
18x18 / 5.5x5.5	33 / 124.9	34.7 / 2.39
20x20 / 6.1x6.1	40 / 151.4	51.0 / 3.52

Notes:

Table based on cULus Listing for quick response.
See technical datasheet for expanded cULus & FM approval criteria.

VK602 | EC/QREC | K8.0/115.2



Base part number	18262
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C
Wrench	21475M/B 13577W/B (recessed)
Datasheet	F_102412

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	10.6 / 0.73
18x18 / 5.5x5.5	33 / 124.9	17.0 / 1.17
20x20 / 6.1x6.1	40 / 151.4	25.0 / 1.72

Notes:

Table based on cULus Listing for quick response.
See technical datasheet for expanded cULus & FM approval criteria.

VK608 | EC/QREC | K11.2/161.3



Base part number	08339
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C
Wrench	05118CW/B 11663W/B (recessed)
Datasheet	F_052793

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	30 / 113.6	7.2 / 0.5
18x18 / 5.5x5.5	33 / 124.9	8.7 / 0.6
20x20 / 6.1x6.1	40 / 151.4	12.8 / 0.88

Notes:

Table based on cULus Listing for quick response.
See technical datasheet for expanded cULus & FM approval criteria.

VK534 | EC/QREC | K11.2/161.3



Available with ENT coating (Nickel PTFE)
for corrosion resistance

Base part number	08340
Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Light / Ordinary
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C, 93°C, 141°C
Wrench	05118CW/B 11663W/B (recessed)
Datasheet	F_051393

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Light Hazard		
16x16 / 4.9x4.9	38 / 143.9	11.5 / 0.79
18x18 / 5.5x5.5	49 / 185.5	19.1 / 1.32
20x20 / 6.1x6.1	60 / 227.1	28.7 / 1.98
Ordinary Hazard Group 1		
12x12 / 3.7x3.7	30 / 113.6	7.2 / 0.50
14x14 / 4.3x4.3	30 / 113.6	7.2 / 0.50

Notes:

Table based on cULus listing for Ordinary Hazard Group 1.
See technical datasheet for expanded cULus listing criteria.

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Pendent and Recessed Pendent

VK572 | EC/QREC | K14.0/202



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	13722
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"/20 mm NPT
Hazard	Ordinary Hazards 1 & 2
Element	3mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Wrench	07297W/B 13032W/B(recessed)
Datasheet	F_072313

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Ordinary Hazard Group 1		
16x16 / 4.9x4.9	39 / 147.6	7.8 / 0.54
18x18 / 5.5x5.5	49 / 185.5	12.3 / 0.85
20x20 / 6.1x6.1	60 / 227.1	18.4 / 1.27
Ordinary Hazard Group 2		
16x16 / 4.9x4.9	51 / 193.1	13.3 / 0.92
18x18 / 5.5x5.5	65 / 246.1	21.6 / 1.49
20x20 / 6.1x6.1	80 / 302.8	32.7 / 2.25

Notes:
Table based on cULus Listing for Ordinary Hazard Group 1.
See technical datasheet for expanded cULus & FM approval criteria.

VK601 | EC/QREC | K5.6/80.6



Base part number	13969
Working Pressure	175psi/12.1bar
High Pressure Model	250psi/17.2bar (VK611)
Approvals	cULus, FM
Thread size & type	½"/15 mm NPT
Hazard	Light
Element	Fusible link
Temperature	74°C, 96°C
Wrench	21475M/B, 13655W/B (recessed)
Datasheet	F_072114

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
18x18 / 5.5x5.5	33 / 124.9	34.7 / 2.39

Notes:
See technical datasheet for expanded cULus listing criteria.

VK603 | QREC | K8.0/115.2



Base part number	18277
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"NPT, 20 mm BSP
Hazard	Light
Element	Fusible link
Temperature	74°C, 96°C
Wrench	21475M/B, 13655W/B (recessed)
Datasheet	F_0102512

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	10.6 / 0.73
18x18 / 5.5x5.5	33 / 124.9	17.0 / 1.17

Notes:
See technical datasheet for expanded cULus & FM approval criteria.

VK537 | EC/QREC | K11.2/161.3



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	14611
Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Ordinary
Element	Fusible link
Temperature	74°C, 96°C
Wrench	05118CW/B 11663W/B (recessed)
Datasheet	F_021907

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Ordinary Hazard Group 1		
16x16 / 4.9x4.9	38 / 143.9	11.5 / 0.79
18x18 / 5.5x5.5	49 / 185.5	19.1 / 1.32
20x20 / 6.1x6.1	60 / 227.1	28.7 / 1.98
Ordinary Hazard Group 2		
16x16 / 4.9x4.9	51 / 193.1	20.7 / 1.43
18x18 / 5.5x5.5	65 / 246.1	33.7 / 2.32
20x20 / 6.1x6.1	80 / 302.8	51.0 / 3.52

Notes:
See technical datasheet for expanded cULus listing criteria.

VK617 | EC/QREC ELO | K11.2/161.3



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	14141
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	Fusible link
Temperature	74°C, 96°C
Wrench	05118CW/B 11663W/B (recessed)
Datasheet	F_021207

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	30 / 113.6	7.2 / 0.50
18x18 / 5.5x5.5	33 / 124.9	8.7 / 0.60

Notes:
Table based on cULus Listing for quick response.
See technical datasheet for expanded cULus & FM approval criteria.

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Upright

VK532 | EC/QREC | K11.2/161.3



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	08687
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"/20 mm NPT
Hazard	Light / Ordinary
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C, 93°C, 141°C
Wrench	05118CW/B 11663W/B (recessed)
Datasheet	F_053114

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Ordinary Hazard Group 1		
12x12 / 3.7x3.7	30 / 113.6	7.2 / 0.50
14x14 / 4.3x4.3	30 / 113.6	7.2 / 0.50
16x16 / 4.9x4.9	38 / 143.9	11.5 / 0.79
18x18 / 5.5x5.5	49 / 185.5	19.1 / 1.32
20x20 / 6.1x6.1	60 / 227.1	28.7 / 2.98

Notes:

* Standard Response

Table based on cULus Listing

See technical datasheet for expanded Light, OH2, cULus & FM approval criteria.

VK570 | EC/QREC | K14.0/202



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	13840
Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	¾"/20 mm NPT
Hazard	Ordinary
Element	3mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Wrench	07297W/B
Datasheet	F_010104

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Ordinary Hazard Group 1		
12x12 / 3.7x3.7	39 / 147.6	7.8 / 0.54
14x14 / 4.3x4.3	39 / 147.6	7.8 / 0.54
16x16 / 4.9x4.9	39 / 147.6	7.8 / 0.54
18x18 / 5.5x5.5	49 / 185.5	12.3 / 0.85
20x20 / 6.1x6.1	60 / 227.1	18.4 / 1.27

Notes:

* Standard Response

Table based on cULus Listing

See technical datasheet for expanded OH2, cULus & FM approval criteria.

VK535 | EC/QREC | K11.2/161.3



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	14139
Working Pressure	175psi/12.1bar
Approvals	cULus, FM
Thread size & type	¾"/20 mm NPT
Hazard	Ordinary
Element	Fusible link
Temperature	74°C, 96°C, 138°C
Wrench	05118CW/B
Datasheet	F_072014

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Ordinary Hazard Group 1		
14x14 / 4.3x4.3	30 / 113.6	7.2 / 0.50
16x16 / 4.9x4.9	38 / 143.9	11.5 / 0.79
18x18 / 5.5x5.5	49 / 185.5	19.1 / 1.32
20x20 / 6.1x6.1	60 / 227.1	28.7 / 1.98
Ordinary Hazard Group 2		
14x14 / 4.3x4.3	39 / 147.7	12.1 / 0.84
16x16 / 4.9x4.9	51 / 193.1	20.7 / 1.43
18x18 / 5.5x5.5	65 / 246.1	33.7 / 2.32
20x20 / 6.1x6.1	80 / 302.8	51.0 / 3.52

Notes:

*Standard Response

Table based on cULus Listing

See technical datasheet for expanded cULus & FM approval criteria.

Flat Plate Concealed Horizontal Sidewall

VK680 | QREC | K8.0/115.2



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	17114, 21358 (GB-China)
Working Pressure	175psi/12.1bar
Approvals	cULus, GB (China)
Thread size & type	¾"NPT / 20 mm BSP
Hazard	Light
Element	Fusible Link
Temperature	74°C, 57°C (cover)
Cover Plate p/n	16207 (order separately)
Wrench	16208W/R
Datasheet	F_050611

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x20 / 4.9x6.1	32 / 121.1	16.0 / 1.10
16x22 / 4.9x6.7	36 / 136.3	20.3 / 1.40
16x24 / 4.9x7.3	39 / 147.6	23.8 / 1.64
18x18 / 5.5x5.5	33 / 124.9	17.0 / 1.20
18x20 / 5.5x6.2	36 / 136.3	20.3 / 1.40
18x22 / 5.5x6.7	40 / 151.4	25.0 / 1.72

Notes:

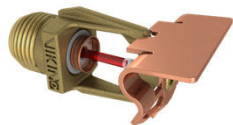
Table based on cULus Listing for some coverage areas only.

See technical datasheet for expanded cULus listing criteria.

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Horizontal Sidewall

VK605 | EC/QREC | K5.6/80.6



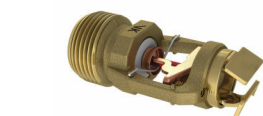
Base part number	12120
Working Pressure	175psi/12.1bar
High Pressure	250psi/17.2bar (VK612)
Approvals	cULus
Thread size & type	½"/15 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C
Wrench	21475M/B 13655W/B (recessed)
Datasheet	F_072414

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
16x18 / 4.9x5.5	29 / 109.8	26.8 / 1.85
16x20 / 4.9x6.1	32 / 121.1	32.7 / 2.25

Notes:

Table based on cULus Listing for quick response.
See technical datasheet for expanded cULus listing criteria.

VK630 | QREC | K8.0/115.2



VK630-D



Available with ENT coating (Nickel PTFE)
for corrosion resistance

Base part number	13500
Working Pressure	175psi/12.1bar
Dome Concealed p/n	13500A-X (VK630-D)
Cover Plate base p/n	13501
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C
Wrench	21475M/B 13655W/B (recessed)
Datasheet	F_102905 F_102805 (VK630-D)

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	10.6 / 0.73
16x18 / 4.9x5.5	29 / 109.8	13.1 / 0.91
16x20 / 4.9x6.1	32 / 121.1	16.0 / 1.10
16x22 / 4.9x6.7	36 / 136.3	20.3 / 1.40
16x24 / 4.9x7.3	39 / 147.6	23.8 / 1.64
18x18 / 5.5x5.5	33 / 124.9	17.0 / 1.20
18x20 / 5.5x6.2	36 / 136.3	20.3 / 1.40
18x22 / 5.5x6.7	40 / 151.4	25.0 / 1.73

Notes:

Table based on cULus Listing for QR and some coverage areas only.
See technical datasheet for expanded cULus & FM approval criteria.

VK638 | Corridor Sprinkler | QREC | K8.0/115.2



VK638-D



Available with ENT coating (Nickel PTFE)
for corrosion resistance

Base part number	17375
Working Pressure	175psi/12.1bar
Dome Concealed p/n	17375A-X (VK638-D),
Cover Plate base p/n	13501
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C, 93°C
Wrench	21475M/B, 13655W/B (recessed)
Datasheet	F_081911, F_082211 (VK638-D)

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
28x12 / 8.5x3.7	34 / 128.7	18.1 / 1.24
28x14 / 8.5x4.3	40 / 151.4	25.0 / 1.73

Notes:

See technical datasheet for expanded cULus listing criteria.

VK609 | EC/QREC | K5.6/80.6



Available with ENT coating (Nickel PTFE)
for corrosion resistance

Base part number	13971
Working Pressure	175psi/12.1bar
High Pressure	250psi/17.2bar (VK613)
Approvals	cULus
Thread size & type	½"/15 mm NPT
Hazard	Light
Element	Fusible link
Temperature	74°C, 96°C
Wrench	21475M/B, 13655W/B (recessed)
Datasheet	F_072314

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Light Hazard, Standard Response		
16x18 / 4.9x5.5	29 / 109.8	26.8 / 1.85
Light Hazard, Quick Response		
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
16x18 / 4.9x5.5	29 / 109.8	26.8 / 1.85

Notes:

See technical datasheet for expanded cULus listing criteria.

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Concealed Pendent

VK632 | QREC | K5.6/80.6



Available with ENT coating (Nickel PTFE) for corrosion resistance

Base part number	14613
Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	½"/15 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C, 93°C
Cover Plate (CP) p/n	23190, 23174 (push-on) 23447, 23463 (thread-on)
Wrench	14047W/B, 14412 (CP Install Tool) 14867 (CP Install Tool)
Datasheet	F_08017

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
18x18 / 5.5x5.5	33 / 124.9	34.7 / 2.39
20x20 / 6.1x6.1	40 / 151.4	51.0 / 3.52

Notes:

See technical datasheet for expanded cULus listing criteria.

VK634 | QREC | K8.0/115.2



Base part number	14535
Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	3mm glass bulb
Temperature	57°C, 68°C, 79°C, 93°C
Cover Plate (CP) p/n	23190, 23174 (push-on) 23447, 23463 (thread-on)
Wrench	14047W/B, 14412 (CP Install Tool) 14867 (CP Install Tool)
Datasheet	F_08017

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	26 / 98.4	10.6 / 0.73
18x18 / 5.5x5.5	33 / 124.9	17.0 / 1.17
20x20 / 6.1x6.1	40 / 151.4	25.0 / 1.72

Notes:

See technical datasheet for expanded cULus listing criteria.

VK636 | QREC ELO | K11.2/161.3



Base part number	16102
Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Light
Element	Fusible link
Temperature	74°C, 96°C
Cover Plate (CP) p/n	23495 (thread-on), 15765 (push-on)
Wrench	15467W/B 14867 (CP Install tool)
Datasheet	F_121009

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
16x16 / 4.9x4.9	30 / 113.6	7.2 / 0.50
18x18 / 5.5x5.5	33 / 124.9	8.7 / 0.60
20x20 / 6.1x6.1	40 / 151.4	12.8 / 0.88

Notes:

See technical datasheet for expanded cULus listing criteria.

VK538 | EC/QREC ELO | K11.2/161.3



Base part number	17115
Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	¾"/20 mm NPT
Hazard	Light / Ordinary
Element	Fusible link
Temperature	74°C, 96°C
Cover Plate p/n	23495 (thread-on), 15765 (push-on)
Wrench	15467W/B 14867 (CP Install tool)
Datasheet	F_050511

Coverage Area ft / m	Flow gpm / lpm	Pressure psi / bar
Ordinary Hazard Group 1		
14x14 / 4.3x4.3	30 / 113.6	7.2 / 0.50
16x16 / 4.9x4.9	38 / 143.9	11.5 / 0.79
18x18 / 5.5x5.5	49 / 185.5	19.1 / 1.32
20x20 / 6.1x6.1	60 / 227.1	28.7 / 1.98
Ordinary Hazard Group 2		
14x14 / 4.3x4.3	39 / 147.7	12.1 / 0.84
16x16 / 4.9x4.9	51 / 193.1	20.7 / 1.43
18x18 / 5.5x5.5	65 / 246.1	33.7 / 2.32
20x20 / 6.1x6.1	80 / 302.8	51.0 / 3.52

Notes:

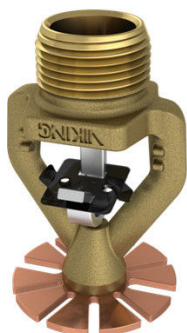
Table based in Ordinary Hazard Group 1, quick response.
See technical datasheet for expanded cULus listing criteria.

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Early Suppression Fast Response (ESFR)

VK500 | ESFR Pendent | K 14.0 / 202.0



Listings & Approvals	cULus, FM, CE, China (GB)
Maximum Working pressure	175psi/12.1bar
Thread Size	¾" NPT, 20 mm BSPT
Operating Element	Fusible link
Temperature Rating	74°C / 165°F, 96°C / 205°F
Finish	Brass
Tech Datasheet	F_060198

VK503 | ESFR Pendent | K 16.8 / 242.0



Listings & Approvals	cULus, FM, CE, China (GB)
Maximum Working pressure	175psi/12.1bar
Thread Size	¾" NPT, 20 mm BSPT
Operating Element	Fusible link
Temperature Rating	74°C / 165°F, 96°C / 205°F
Finish	Brass
Tech Datasheet	F_120106

VK506 | ESFR Pendent | K 22.4 / 320.0



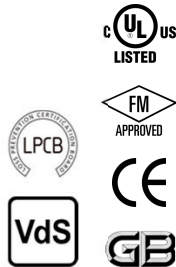
Listings & Approvals	cULus, FM, CE
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25 mm BSPT
Operating Element	Fusible link
Temperature Rating	74°C / 165°F, 96°C / 205°F
Finish	Brass
Tech Datasheet	F_081612

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Early Suppression Fast Response (ESFR)

VK510 | ESFR Pendent | K 25.2 / 363.0



Listings & Approvals	cULus, FM, CE, China (GB), LPCB, VdS
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25 mm BSPT
Operating Element	Fusible link
Temperature Rating	74°C / 165°F, 96°C / 205°F
Finish	Brass
Tech Datasheet	F_100102

VK514 | ESFR Pendent | K 28.0 / 404.0



Listings & Approvals	cULus, FM, CE, China (GB)
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25 mm BSPT
Operating Element	Fusible link
Temperature Rating	74°C / 165°F, 96°C / 205°F
Finish	Brass
Tech Datasheet	F_010715

VK5141 | ESFR Pendent | K 28.0 / 404.0



Listings & Approvals	cULus, FM, CE
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25 mm BSPT
Operating Element	3mm glass bulb
Temperature Rating	68°C / 155°F, 93°C / 200°F
Finish	Brass
Tech Datasheet	F_081612

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Early Suppression Fast Response (ESFR) Dry Pendant

VK502 | ESFR Dry Pendant | K 14.0 / 202.0



Listings & Approvals	FM, CE
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25 mm BSPT
Groove Connection	2"
Operating Element	Fusible link
Temperature Rating	74°C/165°F
Nominal Length Threaded & Grooved	18" (473mm), 24" (625mm), 30" (778mm), 36" (930mm)
Finish	Brass
Tech Datasheet	F_042012

VK504 | ESFR Dry Pendant | K 16.8 / 242.0



Listings & Approvals	FM, CE
Maximum Working pressure	175psi/12.1bar
Thread Size	1½" NPT, 25 mm BSPT
Groove Connection	2"
Operating Element	Fusible link
Temperature Rating	74°C/165°F, 96°C/205°F
Nominal Length Threaded	18½" (470mm), 24½" (622mm), 30½" (775mm), 36½" (927mm)
Nominal Length Grooved	19½" (495mm), 25½" (648mm), 31½" (800mm), 37½" (953mm)
Finish	Brass
Tech Datasheet	F_062613

VK512 | ESFR Dry Pendant | K 25.2 / 363.0



Listings & Approvals	FM, CE
Maximum Working pressure	175psi/12.1bar
Groove Connection	1½"
Operating Element	Fusible link
Temperature Rating	74°C/165°F, 96°C/205°F
Nominal Length Grooved	19½" (495mm), 25½" (648mm), 31½" (800mm), 37½" (953mm)
Finish	Brass, ENT
Tech Datasheet	F_071221

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VK595 | Extended Coverage Upright | K 25.2 / 363.0



Listings & Approvals	cULus, FM
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25 mm BSPT
Operating Element	Fusible link
Temperature Rating	74°C/165°F, 96°C/205°F
Finish	Brass
Tech Datasheet	F_121610

Control Mode Specific Application (CMSA)

VK540 | CMSA Upright | K 11.2 / 161.3



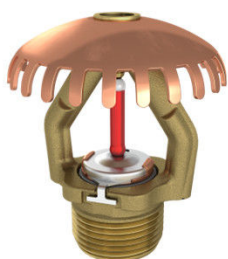
Listings & Approvals	cULus, FM
Maximum Working pressure	175psi/12.1bar
Thread Size	½" NOT, ¾" NOT, 15mm BSPT, 20mm BSPT
Operating Element	5mm glass bulb
Response	Standard
Temperature Rating	68°C/155°F, 93°C/200°F, 141°C/286°F
Finish	Brass
Tech Datasheet	F_090595

VK592 | CMSA Pendent | K 19.6 / 282.6



Listings & Approvals	cULus, FM, VdS
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25mm BSPT
Operating Element	Fusible Link
Response	Standard
Temperature Rating	74°C/165°F, 96°C/205°F
Finish	Brass
Tech Datasheet	F_033108

VK598 | Storage-Specific Application Upright | K 25.2 / 363.0



Listings & Approvals	FM
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25mm BSPT
Operating Element	5mm glass bulb
Response	Standard
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass
Tech Datasheet	F_090414

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Control Mode Density Area (CMDA)

VK377 | Quick Response ELO Pendent | K 11.2 / 161.3



Pre-assembled
with Sprinkler
Guard 08337-G



Listings & Approvals	cULus, FM, LPCB, VdS
Maximum Working pressure	175psi/12.1bar
Thread Size	¾" NPT, 15mm BSPT
Operating Element	3mm glass bulb
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass, Chrome, White/Black Polyester, ENT
Tech Datasheet	F_030993

VK536 | Standard Response ELO Pendent | K 11.2 / 161.3



Listings & Approvals	cULus, FM
Maximum Working pressure	175psi/12.1bar
Thread Size	¾" NPT, 15mm BSPT
Operating Element	5mm glass bulb
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass, Chrome, White/Black Polyester, ENT
Tech Datasheet	F_072213

VK530 | Standard Response ELO Upright | K 11.2 / 161.3



Listings & Approvals	cULus, FM
Maximum Working pressure	175psi/12.1bar
Thread Size	¾" NPT, 20 mm BSPT
Operating Element	5mm glass bulb
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass, Wax Coated Brass, Chrome, White/Black Polyester, ENT
Tech Datasheet	F_010692

VK531/VK5311 | Quick Response ELO Upright | K 11.2 / 161.3



Pre-assembled
with Sprinkler
Guard 10633-G



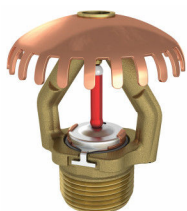
Listings & Approvals	VK531: cULus, FM, VK5311: LPCB, VdS
Maximum Working pressure	175psi/12.1bar
Thread Size	VK531: ¾" NPT, VK5311: 15mm, 20mm BSPT
Operating Element	3mm glass bulb
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass, Chrome, White/Black Polyester, ENT
Tech Datasheet	VK531: F_010699, VK5311: F_041724

VK580 | Standard Response CMDA Upright | K 16.8 / 242.0



Listings & Approvals	cULus, FM
Maximum Working pressure	175psi/12.1bar
Thread Size	¾" NPT, 15mm BSPT
Operating Element	5mm glass bulb
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass
Tech Datasheet	F_041904

VK598 | Standard Response CMDA Upright | K 25.2 / 363.0



Listings & Approvals	FM
Maximum Working pressure	175psi/12.1bar
Thread Size	1" NPT, 25mm BSPT
Operating Element	5mm glass bulb
Temperature Rating	68°C/155°F, 79°C/175°F, 93°C/200°F, 141°C/286°F
Finish	Brass
Tech Datasheet	F_090414

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Intermediate Level In-Rack | Pendant

VK102 | Standard Response | K 5.6 / 80.6



Approvals	cULus, FM
Thread size & type	½"NPT
Finish	Brass
Tech Datasheet	F_012498



- Also available with fusible link (VK110, p/n 12972)
- Guard protects sprinkler from water discharge above

VK202 | Standard Response | K 8.0 / 115.2



Approvals	cULus, FM
Thread size & type	¾"NPT
Finish	Brass
Tech Datasheet	F_012498



- Also available with fusible link (VK206, p/n 18254)
- Guard protects sprinkler from water discharge above

VK302 | Quick Response | K 5.6 / 80.6



Approvals	cULus, FM
Thread size & type	½"NPT
Finish	Brass
Tech Datasheet	F_012498



- Available in 250psi (VK317, p/n 12282--G)
- Also available with fusible link (VK303, p/n 12275--G)

VK352 | Quick Response Pendant | K 8.0 / 115.2



Approvals	cULus, FM
Thread size & type	¾"NPT
Finish	Brass
Tech Datasheet	F_012498

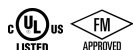


- Also available with fusible link (VK353, p/n 18274--G)

VK536 | Standard Response | K 11.2 / 161.3



Approvals	cULus, FM
Thread size & type	¾"/20mm NPT & BSP
Finish	Brass
Tech Datasheet	F_012498



NOTE:

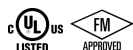
- For preassembled with Water Shield, add 'U' suffix
- For preassembled with Sprinkler Guard, add 'G' suffix, water shield p/n 10323 (order separately)
- Preassembled guard protects sprinkler from damage
- Guard protects sprinkler from water discharge above

Intermediate Level In-Rack | Upright

VK550 | Standard Response | K 5.6 / 80.6



Approvals	cULus, FM
Thread size & type	½"NPT
Finish	Brass
Wrench	21475M/B
Tech Datasheet	F_012498



- Also available with fusible link (VK552, p/n 12973)
- Shield protects sprinkler from water discharge above

VK560 | Standard Response | K 8.0 / 115.2



Approvals	cULus, FM
Thread size & type	¾"NPT, ½"NPT
Finish	Brass
Wrench	21475M/B
Tech Datasheet	F_012498



- Also available with fusible link (VK562, p/n 18253)
- Shield protects sprinkler from water discharge above

VK556 | Quick Response | K 5.6 / 80.6

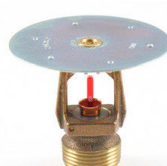


Approvals	cULus, FM
Thread size & type	½"NPT
Finish	Brass
Wrench	21475M/B
Tech Datasheet	F_012498



- Available in 250psi (VK558, p/n 12281)
- Available with fusible link (VK551, p/n 12279)

VK566 | Quick Response | K 8.0 / 115.2



Approvals	cULus, FM
Thread size & type	½"NPT
Finish	Brass
Wrench	21475M/B
Tech Datasheet	F_012498



- Available with fusible link (VK567, p/n 18275)

Notes:

- For preassembled with Water Shield, add 'U' suffix
- Shield protects sprinkler from water discharge above
- Shields are used where guards are not required
- For preassembled with Sprinkler Guard, add 'G' suffix

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Standard Coverage | Pendent, Recessed Pendent, Concealed Pendent

VK154, VK158, VK150 | Standard Response Pendent | K5.6 / 80.6



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1" NPT	VK154	07740U	VK158	06530U	VK150	07852U
25mm BSP		07854U		07853U		07855U
LPCB	VK155	09341	VK159	09342	VK151	09343

Working Pressure	175psi/12.1bar
Approvals	cULus, FM, NYC, GB (China) LPCB – VK155, VK159, VK151
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK154, VK155, VK150, VK151) ¼" (VK158, VK159)
Datasheet	F_071591

VK169, VK168 | Standard Response Pendent | K 5.6 / 80.6



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1" NPT	-	-	VK169	10360U	VK168	09798U
25mm BSP	-	-		10377U		09799U

Working Pressure	175psi/12.1bar
Approvals	-
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Finish	Stainless Steel
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK168), ¼" (VK169)
Datasheet	F_060796

VK190 | Standard Response Concealed Pendent | K 5.6 / 80.6



	Base p/n	Base p/n	Cover Plate
1" NPT	12421UA	12381	
25mm BSP	12429UA		Polished Chrome, Painted White Painted Ivory, Painted Black

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C, 79°C, 93°C
Finish	Brass
Wrench	07565W/B
Order Length Increment	¼"
Datasheet	F_092003

VK176, VK180, VK172 | Quick Response Pendent | K 5.6 / 80.6



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1" NPT	VK176	08383U	VK180	08385U	VK172	08387U
25mm BSP		16457U		16453U		16455U

Working Pressure	175psi/12.1bar
Approvals	cULus, FM, NYC
Thread size & type	1" NPT or 25mm BSP
Element	3mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK176, Vkl72), ¼" (VK180)
Datasheet	F_031793

Dry Sprinkler Ordering Made easy.

Use VIKING's Online Dry Sprinkler Order Form:

<https://webtools.vikingcorp.com/dry/>

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Sprinklers | Dry

Standard Coverage | Pendent, Recessed Pendent, Concealed Pendent

VK194 | Quick Response Concealed Pendent | K 5.6 / 80.6



Base p/n		Cover Plate	
	Base p/n	Base p/n	12381
1" NPT	12422UA	Finish	Polished Chrome , Painted White Painted Ivory, Painted Black
25mm BSP	12430UA		

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT or 25mm BSP
Element	3mm glass bulb
Temperature	68°C, 79°C, 93°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07565W/B
Order Length Increment	1/4"
Datasheet	F_092103

VK482 | Quick Response Flush Pendent | K 5.6 / 80.6



Base p/n	18385
----------	-------

Working Pressure	175psi/12.1bar
Approvals	UL
Thread size & type	1" NPT / 25mm
Element	Fusible link
Temperature	74°C, 96°C
Finish	White Polyester
Wrench	18315
Order Length Increment	1/4"
Datasheet	F_081512

VK163, VK164, VK166 | Standard Response Pendent | K 8.0 / 115.2



Adjustable Standard		Adjustable Recessed		Plain Barrel	
SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1" NPT	VK163 12810U	VK164 12811U	VK166 12741U		
25mm BSP	12813U	12814U	12812U		

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	1/2" (VK163, VK166), 1/4" (VK164)
Datasheet	F_090110

VK192 | Standard Response Concealed Pendent | K 8.0 / 115.2



Base p/n		Cover Plate	
	Base p/n	Base p/n	12381
1" NPT	12424UA	Finish	Polished Chrome , Painted White Painted Ivory, Painted Black
25mm BSP	12432UA		

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C , 79°C, 93°C
Finish	Brass
Wrench	07565W/B
Order Length Increment	1/4"
Datasheet	F_081311

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Standard Coverage | Pendent, Recessed Pendent, Concealed Pendent

VK177, VK181, VK173 | Quick Response Pendent | K 8.0 / 115.2



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1" NPT	VK177	13249U	VK181	13250U	VK173	13248U
25mm BSP		13252U		13253U		13251U

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC, CE
Thread size & type	1" NPT or 25mm BSP
Element	3mm glass bulb
Temperature	68°C, 79°C, 93°C, 141°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK172, VK173), ¼" (VK181)
Datasheet	F_010305

VK286, VK290, VK282 | Quick Response Pendent | K 8.0 / 115.2



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1" NPT	VK286	13255U	VK290	13256U	VK282	13254U
25mm BSP		13258U		13259U		13257U

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT or 25mm BSP
Element	Fusible link
Temperature	74°C, 96°C, 138°C
Finish	Brass, Chrome, White Polyester
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK286, VK282), ¼" (VK290)
Datasheet	F_010505

VK546, VK545, VK544 | Standard Response ELO Pendent | K 11.2 / 161.3



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1¼" NPT	VK546	19840	VK545	19835	VK544	19830
32mm BSP		19841		19836		19831

Working Pressure	175psi/12.1bar
Approvals	FM
Thread size & type	1¼" NPT or 32mm BSP
Element	Fusible link
Temperature	74°C, 96°C, 138°C
Finish	Brass, Chrome, White Polyester
Wrench	19748W/B
Order Length Increment	6" (NPT), 153mm (BSPT)
Datasheet	F_040815

Note: Dry ELO Pendent Sprinklers can be used for Storage applications.

VK549, VK548, VK547 | Quick Response ELO Pendent | K 11.2 / 161.3



	Adjustable Standard		Adjustable Recessed		Plain Barrel	
	SIN	Base p/n	SIN	Base p/n	SIN	Base p/n
1¼" NPT	VK549	19838	VK548	19833	VK547	19828
32mm BSP		19839		19834		19829

Working Pressure	175psi/12.1bar
Approvals	FM
Thread size & type	1¼" NPT or 32mm BSP
Element	Fusible link
Temperature	74°C, 96°C, 138°C
Finish	Brass, Chrome, White Polyester
Wrench	19748W/B
Order Length Increment	6" (NPT), 153mm (BSPT)
Datasheet	F_040915

Note: Dry ELO Pendent Sprinklers can be used for Storage applications.

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Sprinklers | Dry

Standard Coverage | Upright

VK160 | Standard Response Upright | K 5.6 / 80.6



Working Pressure	175psi/12.1bar
Approvals	cULus, FM, NYC
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C , 79°C, 93°C , 141°C
Finish	Brass, Chrome, White Polyester
Wrench	07297W/B
Order Length Increment	½"
Datasheet	F_033192

VK184 | Quick Response Upright | K 5.6 / 80.6



Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT / 25mm
Element	3mm glass bulb
Temperature	68°C , 79°C, 93°C , 141°C
Finish	Brass, White Polyester
Wrench	07297W/B
Order Length Increment	½"
Datasheet	F_031693

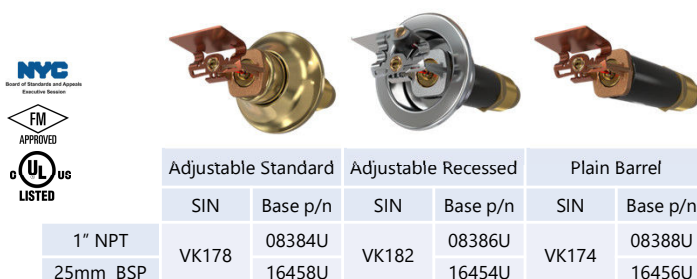
Standard Coverage | Sidewall

VK156, VK162, VK152 | Standard Response Horizontal Sidewall | K 5.6 / 80.6



Working Pressure	175psi/12.1bar
Approvals	cULus, FM, NYC, GB (China)
Thread size & type	1" NPT or 25mm BSP
Element	5mm glass bulb
Temperature	68°C , 79°C, 93°C, 141°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK156, VK152), ¼" (VK162)
Datasheet	F_073091

VK178, VK182, VK174 | Quick Response Horizontal Sidewall | K 5.6 / 80.6



Working Pressure	175psi/12.1bar
Approvals	cULus, FM, NYC
Thread size & type	1" NPT or 25mm BSP
Element	3mm glass bulb
Temperature	68°C , 79°C, 93°C, 141°C
Finish	Brass, Chrome, White Polyester, ENT
Wrench	07297W/B, 07565W/B (recessed)
Order Length Increment	½" (VK178, VK174), ¼" (VK182)
Datasheet	F_031993

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Sprinklers | Dry

Standard Coverage | Sidewall

VK157, VK161, VK153 | Standard Response Vertical Sidewall | K 5.6 / 80.6

																		Working Pressure		175psi/12.1bar							
																		Approvals		-							
																		Thread size & type		1" NPT or 25mm BSP							
																		Element		5mm glass bulb							
																		Temperature		68°C , 79°C, 93°C , 141°C							
						Adjustable Standard		Adjustable Recessed		Plain Barrel								Finish		Brass, Chrome, White Polyester							
						SIN		Base p/n		SIN		Base p/n		SIN		Base p/n								Wrench		07297W/B, 07565W/B (recessed)	
1" NPT						VK157		09123U		VK161		09124U		VK153		09125U								Order Length Increment		½" (VK157, VK153), ¼" (VK161)	
25mm BSP						VK157		08961U		VK161		08962U		VK153		08963U								Datasheet		F_011194	

Extended Coverage

VK186 | EC/QREC Pendant | K5.6/80.6



Coverage Area ftxft / mxm	Flow Required gpm / lpm	Pressure psi / bar
Quick Response		
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
18x18 / 5.5x5.5	33 / 124.9	34.7 / 2.39
Standard Response		
20x20 / 6.1x6.1	40 / 151.4	51.0 / 3.52

Base p/n 10541U

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1"/25mm NPT (BSP available on request)
Element	3mm glass bulb
Temperature	68°C , 79°C
Finish	Chrome, White Polyester, ENT
Wrench	07565W/B
Order Length Increment	1/4"
Datasheet	F_051498

VK188 | EC/QREC Horizontal Sidewall | K5.6/80.6



Base p/n	Cover Plate	
	12381	
Finish	Polished Chrome , Painted White Painted Ivory, Painted Black	
Coverage Area ftxft / mxm	Flow Required gpm / lpm	Pressure psi / bar
Quick Response		
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
16x18 / 4.9x5.5	29 / 109.8	26.8 / 1.85
Standard Response		
16x20 / 4.9x6.1	32 / 121.1	32.7 / 2.25

Base p/n 10542U

Working Pressure	175psi/12.1bar
Approvals	cULus
Thread size & type	1" NPT / 25mm (BSP available on request)
Element	3mm glass bulb
Temperature	68°C , 79°C
Finish	Chrome, White Polyester, ENT
Wrench	07565W/B
Order Length Increment	1/4"
Datasheet	F_051598

VK196 | EC/QREC Domed Concealed Pendant | K5.6/80.6



Coverage Area ftxft / mxm	Flow Required gpm / lpm	Pressure psi / bar
Quick Response		
16x16 / 4.9x4.9	26 / 98.4	21.6 / 1.49
18x18 / 5.5x5.5	33 / 124.9	34.7 / 2.39
20x20 / 6.1x6.1	40 / 151.4	51.0 / 3.52
Standard Response		
18x18 / 5.5x5.5	33 / 124.9	34.7 / 2.39
20x20 / 6.1x6.1	40 / 151.4	51.0 / 3.52

Base p/n	
1" NPT	12423UA
25mm BSP	12431UA

Working Pressure	175psi/12.1bar
Approvals	cULus, NYC
Thread size & type	1" NPT or 25mm BSP
Element	3mm glass bulb
Temperature	57°C , 68°C, 79°C
Finish	Brass, ENT
Cover Plate Finish	Polished Chrome , Painted White Painted Ivory, Painted Black
Wrench	07565W/B
Order Length Increment	1/4"
Datasheet	F_092203

Dry Sprinkler Ordering Made easy.

Use VIKING's Online Dry Sprinkler Order Form:

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Cleanroom Sprinklers

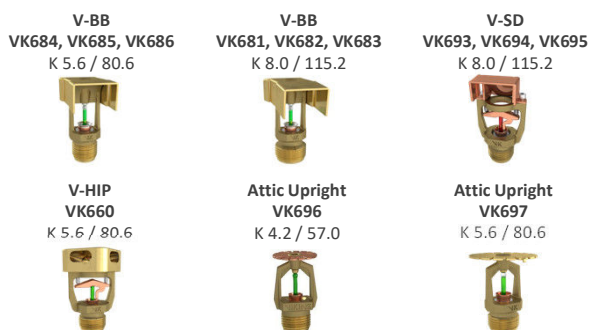
Viking Cleanroom Pendent Style Sprinklers are designed to fit into the ceiling grid structures typically used in cleanroom environments. The sprinkler must be used in accordance with the recognised design and installation standards issued such as NFPA, FM, EN, VdS or LPCB.



K Factors	5.6 / 80.6, 8.0 / 115.2
Temperature Ratings	57-141°C / 135-286°F
Working Pressure	250psi / 17 bar (UL), 175psi / 12 bar (FM, CE)
Thread Size	½" NPT / 15mm, ¾" NPT / 20mm
Finishes	White Polyester, Black Polyester, ENT, Brass / Chrome (VK850)
Wrenches	23559MB, 23560MB
Approvals	cULus, FM, CE
Technical Datasheets	F_110524 (VK850), F_110624 (VK851), F_110724 (VK852), F_110824 (VK853)

Attic Sprinklers

Viking Specific Application Attic Sprinklers are designed for combustible and non-combustible sloped attic spaces when compared to standard spray attic protection. The attic sprinklers are UL Listed for both wet and dry pipe systems in combustible and non-combustible sloped attic spaces and can be installed with steel or CPVC piping. (CPVC is allowed on wet pipe systems only.)



K Factors	4.2 / 57.0, 5.6 / 80.6, 8.0 / 115.2
Temperature Ratings	93°C / 200°F
Working Pressure	175psi / 12 bar
Thread Size	½" NPT / 15mm, ¾" NPT / 20mm
Orientation	Upright
Finishes	Brass or ENT
Wrenches	10896W/B, 21475M/B (VK696, VK697)
Approvals	cULus
Technical Datasheets	F_092116 9VK660, F_042915 (VK681 – VK686), F_043015 (VK693 – VK695), F_042815 (VK696), F_042517 (VK697)

Interstitial Space Sprinklers

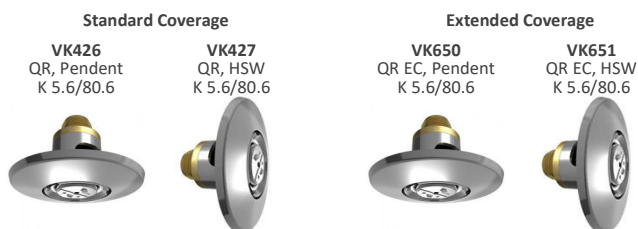
Viking QR COIN® Sprinklers are quick response specific application sprinklers for combustible interstitial (concealed) spaces (e.g. between floors, as well as low pitch attics that meet the criteria shown in the figures in this data page). These upright sprinklers are designed for use in specific light hazard combustible, as well as non-combustible, concealed spaces requiring sprinkler protection.



K Factors	4.2 / 57.0, 5.6 / 80.6
Working Pressure	175psi / 12 bar
Thread Size	½" NPT / 15mm
Orientation	Upright
Finishes	Brass or ENT
Wrench	21475M/B
Approvals	cULus
Technical Datasheets	F_081216 (VK950), F_110503 (VK900), F_021607 (VK901)

Institutional Sprinklers

Viking Institutional Style Sprinklers are flush and compact sprinklers engineered to be tamper-resistant. The sprinklers are quick response and specifically designed for use with concealed piping in spaces where there is a likelihood of tampering with fire sprinklers such as correctional facilities or mental institutions.



K Factors	5.6 / 80.6
Temperature Ratings	74°C / 165°F, 96°C / 205°F
Working Pressure	175psi / 12 bar
Thread Size	½" NPT / 15mm
Finishes	Chrome, Painted White, Painted Grey
Wrench	22847MB
Approvals	cULus
Technical Datasheet	F_032319

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DS-21 Preaction Sprinkler

Viking DS21-FM Preaction Sprinkler is used in wet systems in areas where the risk of water damage is high and the need to prevent accidental discharge due to a damage sprinkler. The DS21-FM is an assembly whereby the activation of either one of the sprinkler will trigger an alarm. Water will only be released when the other sprinkler is activated. The DS21-FM is highly recommended for small rooms of up to 6 Preaction Sprinklers and can be retrofitted to existing sprinkler system. Each DS21-FM has a coverage of 9m².
fire.



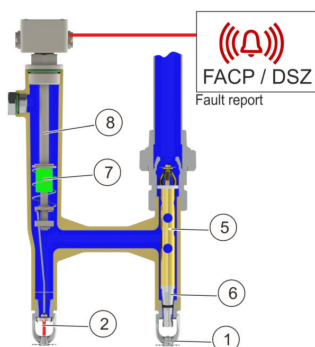
K Factors (Metric/Imperial)	55/3.8
Response	Fast Response
Response Sensitivity	Quick RTI <50
Temperature Rating	68°C / 155°F
Working Pressure	175psi / 12 bar
Minimum Operating Pressure	44psi / 3 bar
Orientation	Pendent
Finishes	Chrome
Approvals	VdS, CNBOP, FM

The DS21-FM preaction sprinkler unit consists of a housing with two separate sprinkler heads. Before water is released, both sprinkler heads in the unit must be triggered.

If only one sprinkler head is triggered, an acoustic or visual alarm signal is generated at the monitoring panel. This allows the operator to respond quickly and repair the damaged sprinkler head, avoiding the risk of water damage.

The DS21-FM preaction sprinkler for dry systems is equipped with an additional pressure switch. When the left sprinkler head is triggered, compressed air flows into the preaction sprinkler housing and activates the pressure switch generating an alarm signal at the monitoring panel.

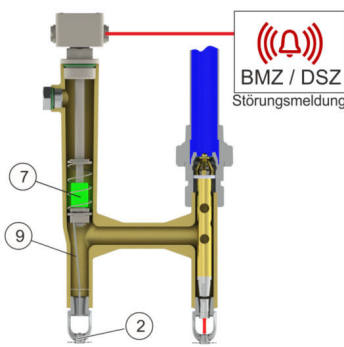
How does the DS21-FM preaction sprinkler work?



When sprinkler 1 is activated

When the glass bulb of the sprinkler ① bursts, the piston ⑤ drops, sealing ⑥ the sprinkler.

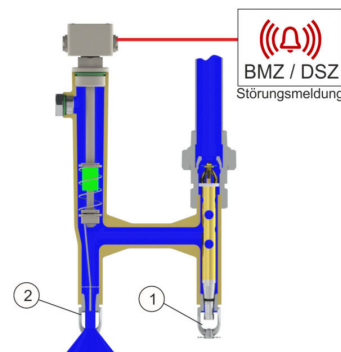
As the water flows into the sprinkler, the float ⑦ rises and activates the float switch ⑧. A signal is sent to a monitoring device which gives out an audible alarm.



When sprinkler 2 is activated

When the glass bulb of the sprinkler ② bursts, the rod ⑨ and float ⑦ drops, sealing the sprinkler opening.

Water does not enter the preaction sprinkler. The float activates the float switch. A signal is sent to a monitoring device which gives out an audible alarm.



When both sprinklers are activated

When both sprinklers ① and rod ⑨ and float ⑦ are activated, the piston ⑤ drops and seals sprinkler ②.

At the same time the rod ⑨ and float ⑦ drops activating the float switch. A signal is sent to a monitoring device which gives out an audible alarm.

Water enters the preaction sprinkler and is discharged through sprinkler rod ⑨ and float ⑦

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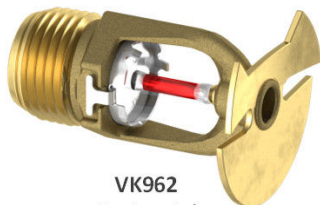


Window Sprinklers

Viking's specific application window sprinklers are used with fixed glazed assemblies to provide an alternative to a fire resistance rated wall assembly. The sprinklers feature a unique spray pattern that coats the surface of the glass with water, reducing the risk of cracking or shattering in the event of a fire.



VK960
Pendent Vertical
Sidewall



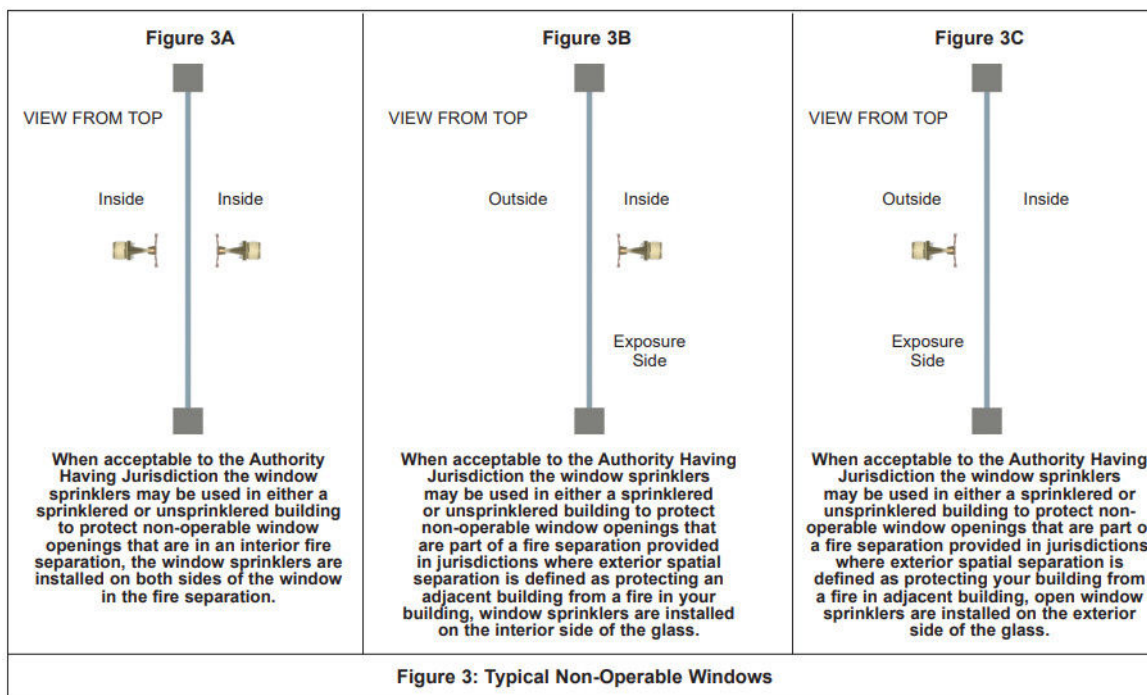
VK962
Horizontal
Sidewall



SIN	VK960, VK962
Base Part Numbers	23832, 23829 (VSW) 23834, 23831 (HSW)
K Factor	5.6 / 80.6
Temperature Rating	68°C / 155°F, 93°C / 200°F
Working Pressure	175psi / 12 bar
Thread Size	½" NPT, 15mm BSP
Finishes	Brass, Chrome, White Polyester Black Polyester, ENT
Wrench	23559MB
Approvals	cULus, ICC-ES
Technical Datasheet	F_042519

Features and advantages of Viking's window sprinklers:

- Available in both pendent vertical sidewall (VK960) and horizontal sidewall (VK962) models.
- The VK960 is Listed for up to 12 ft / 3.7 m spacing between sprinklers, along with 7 ft / 2.1 m maximum distance from vertical mullions.
- The VK960 is also listed at 15 gpm / 56.8 lpm at all spacings up to 12 ft / 3.7 m.
- Both pendent vertical sidewall and horizontal sidewall models offer a maximum pressure rating of 175 psi in all approved applications.



Note:

For Model C-1 Window Sprinkler, please refer to the Nozzles Section.

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Sprinkler Guards & Shields

Accessory	Description	Applicable SIN	Options
	XG Sprinkler Guard	VK1001, VK1021, VK3001, VK3021, VK2002, VK2022, VK3502, VK3522, VK2001, VK2021, VK3501, VK3521, VK850, VK851, VK852, VK853	½"/15mm or ¾"/20mm. Steel
	XWU Water Shield *	VK1001, VK3001, VK2002, VK3502, VK2001, VK3501	86mm Diameter. Steel
	F-1 Pendent Water Shield	VK1021, VK3021, VK2022, VK3521, VK2021, VK3522, VK850, VK851, VK852, VK853	75mm Diameter. ½"/15mm or ¾"/20mm. Steel
	A-1 Sprinkler Guard	VK100, VK102, VK108, VK110, VK130, VK132, VK200, VK202, VK206, VK300, VK302, VK350, VK352	½"/15mm or ¾"/20mm. Steel
	B-1 Guard with shield	VK100, VK108, VK200, VK300, VK350	½"/15mm. Steel
	Model C-1 Guard with shield	VK102, VK110, VK202, VK206, VK302, VK352	½"/15mm or ¾"/20mm. Steel
	Model C-1 Guard	VK102, VK110, VK202, VK206, VK302, VK352	½"/15mm or ¾"/20mm. Steel
	Model C-1 Water Shield	VK102, VK110, VK202, VK206, VK302, VK352	½"/15mm or ¾"/20mm. Steel
	D-1 Sprinkler Guard	VK001, VK003, VK100, VK102, VK108, VK110, VK122, VK124, VK130, VK132, VK200, VK202, VK204, VK206, VK300, VK301, VK302, VK303, VK350, VK352, VK377, VK536	
	Dry Sprinkler Guard	For VIKING Dry Upright, Pendent and Vertical Sidewall models only	
	NP-1 Slip-on Escutcheon	Suitable for most VIKING Sprinklers with thread size ½"/15mm or ¾"/20mm . Refer to Sprinkler Technical Datasheets	78mm Diameter. ½"/15mm or ¾"/20mm. Steel or Stainless Steel
	NP-2 Threaded Escutcheon	Suitable for most VIKING Sprinklers with thread size ½"/15mm or ¾"/20mm . Refer to Sprinkler Technical Datasheets	78mm Diameter. ½"/15mm or ¾"/20mm. Steel Only
	Flat Surface Mount Escutcheon	Suitable for most VIKING Sprinklers with thread size ½"/15mm or ¾"/20mm . Refer to Sprinkler Technical Datasheets	70mm, 78mm, 84mm Diameter. ½"/15mm or ¾"/20mm. Steel Only
	E-1 Slip-on Escutcheon	Suitable for most VIKING Sprinklers with thread size ½"/15mm or ¾"/20mm . Refer to Sprinkler Technical Datasheets	78mm Diameter. ½"/15mm or ¾"/20mm. Steel or Stainless Steel
	E-2 Threaded Escutcheon	Suitable for most VIKING Sprinklers with thread size ½"/15mm or ¾"/20mm . Refer to Sprinkler Technical Datasheets	79mm Diameter. ½"/15mm or ¾"/20mm. Steel Only
	G-1 Recessed Escutcheon	Suitable for most VIKING Sprinklers with thread size ½"/15mm or ¾"/20mm . Refer to Sprinkler Technical Datasheets	102mm Diameter. ½"/15mm or ¾"/20mm. Steel Only
	EG-100 ESFR Sprinkler Guard	VK506, VK510, VK514 (FM Approved as intermediate sprinkler when used with EG-100)	Chrome or Red Finish
	ES-75, ES100 ESFR Water Shield	ES-75: VK500, VK503 ES-100: VK506, VK510, VK514	

Notes:

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Concealed Sprinkler Cover Plates



Standard Finishes

Antique Brass Brushed Chrome White Ivory
Bright Brass Polished Chrome Brushed Brass Brushed Copper Black

Printable Flat Covers

Customize your flat cover plates with virtually any artwork, logo or design. UL Listed and FM Approved.

Optional Custom Colours are available on request, UL Listed & FM Approved

Cover Type	Diameter or Length x Width	Base Part Number	Temperature Ratings	Finishes	For Sprinkler Models
Domed Pendent / Dry Pendent	80mm / 3 1/8"	12381	57°C / 135°F, 74°C / 165°F	A	VK102, VK190, VK192, VK194, VK196, VK202, VK302, VK352, VK353, VK614, VK616, VK618
Domed Sidewall	80mm / 3 1/8"	13501	57°C / 135°F, 74°C / 165°F	B	VK630
Flat Pendent	70mm / 2 3/4"	23190 ^T	57°C / 135°F, 74°C / 165°F	C	VK461 to VK465, VK464-MRI, VK632, VK634, VK492, VK4611, VK4621, VK4921, VK4651
		23447 ^P			
Stainless Steel Flat Pendent	70mm / 2 3/4"	23193 ^T	57°C / 135°F, 74°C / 165°F	No Finish	VK462, VK4611, VK4621, VK4921, VK4651
		23455 ^P			
Flat Pendent (large Diameter)	84mm / 3 5/16"	23495 ^T	57°C / 135°F, 74°C / 165°F	C	VK469, VK636, VK538
		15765 ^P			
Stainless Steel Flat Pendent (large Diameter)	84mm / 3 5/16"	23504 ^T	57°C / 135°F, 74°C / 165°F	No Finish	VK538
		21878 ^P			
Flat HSW (large diameter)	84mm / 3 5/16"	16207	57°C / 135°F, 74°C / 165°F	C, Printable	VK481
		16207	57°C / 135°F	B	VK680
Flat Commercial (large diameter)	84mm / 3 5/16"	23174 ^T	57°C / 135°F, 74°C / 165°F	C	VK461 to VK465, VK464-MRI, VK632, VK634, VK492, VK4611, VK4621, VK4921, VK4651
		23463 ^P			
Stainless Steel Flat Commercial (large diameter)	84mm / 3 5/16"	23183 ^T	57°C / 135°F, 74°C / 165°F	No Finish	VK462, VK4611, VK4621, VK4921, VK4651
		23473 ^P			
Cleanroom Flat Commercial (large diameter)	84mm / 3 5/16"	23174-/CR ^T	57°C / 135°F, 74°C / 165°F	D	VK462 (QR), VK4621, VK464 (SR)
		23463-/CR ^P			
Cleanroom Flat Commercial (large diameter)	84mm / 3 5/16"	23495-/CR ^T	57°C / 135°F, 74°C / 165°F	D	VK469 (QR)
		15765-/CR ^P			
Stainless Steel Cleanroom Flat Commercial (large diameter)	84mm / 3 5/16"	23183-/CR ^T	57°C / 135°F	No Finish	VK462 (QR), VK4621
		23473-/CR ^P			
Square Flat Commercial (large)	84mm / 3 5/16" X 84mm / 3 5/16"	23179 ^T	57°C / 135°F, 74°C / 165°F	C	VK461 to VK465, VK464-MRI, VK632, VK634, VK492, VK4611, VK4621, VK4921, VK4651
		23482 ^P			

Notes:

^T Thread-on style Cover Plate

^P Push-on style Type Cover Plate

Finishes

A: Polished Chrome, Brass, Painted White, Painted Ivory, Painted Black

B: Polished Chrome, Painted White, Painted Ivory, Painted Black

C: Polished Chrome, Brushed Chrome, Brass, Antique Brass, Brushed Brass, Brushed Copper, Painted White, Painted Ivory, Painted Black

D: Polished Chrome, Bright Brass, Painted White, Painted Ivory

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Spray Nozzles

Model E Spray Nozzles



SIN	Spray Angle
VK810	65°
VK811	80°
VK812	95°
VK813	110°
VK814	125°
VK815	140°
VK816	160°
VK817	180°

Minimum Operating Pressure	10 psi / 0.7 bar
Working Pressure	175psi / 12 bar
Thread Size	½" NPT / 15mm
K - Factors	1.2/17.3, 1.8/25.9, 2.3/33.1, 3.2/46.1, 4.1/59.0, 5.6/80.6, 7.2/103.7
Approvals	cULus, FM, GB (China)
Technical Datasheet	F_062104

Model C-1 Window Sprinklers



SIN	K-Factor	Thread
VK790	1.5/21.6	½" NPT / 15mm
VK791	2.1/30.3	
VK792	3.0/43.2	
VK793	4.3/62.0	
VK794	5.8/83.6	
VK795	7.3/105.2	¾" NPT / 20mm
VK796	8.1/116.8	

Minimum Operating Pressure	7 psi / 0.5 bar
Working Pressure	175psi / 12 bar
Thread Size	½" / 15mm NPT (VK790-VK794) ¾" / 20mm NPT (VK795, VK796)
K - Factors	1.5/21.6 to 8.1/116.8
Approvals	cULus, FM
Technical Datasheet	F_051800

Model M Frame Style Spray Nozzles



Minimum Operating Pressure	7 psi / 0.5 bar
Working Pressure	175psi / 12 bar
Thread Size	½" NPT / 15mm
K - Factors	1.4/20, 1.9/27, 2.8/40, 4.2/60, 5.6/80
Temperature Range	135-286°F / 57-141°C
Spray Angles	60°, 90°, 120°, 150°
Finishes	Brass or Black PTFE
Approvals	cULus
Technical Datasheet	F_011594

Solid Cone High Velocity Spray Nozzles



Thread Size	½" NPT / 15mm
Finishes	Brass or ENT
Option	Polyethylene Cap (Dust Plug)
Approvals	cULus, FM, GB (China)
Technical Datasheet	F_030789

Model A-2		
SIN	K-Factor	Spray Angle
VK740	1.2/17.0	30°
VK741		60°
VK742		90°
VK743	1.4/20.0	120°
VK743	1.5/21.6	120°
VK744	1.4/20.0	140°

Model A-2X		
SIN	K-Factor	Spray Angle
VK750	2.0/29.0	30°
VK751		60°
VK752		90°
VK753	2.2/32.0	120°
VK754		140°

Model B-2		
SIN	K-Factor	Spray Angle
VK760	2.8/40.0	30°
VK761		60°
VK762		90°
VK763	3.3/47.5	120°
VK764		140°

Model C-2		
SIN	K-Factor	Spray Angle
VK770	3.3/47.5	30°
VK771		60°
VK772	3.8/54.7	90°
VK773	3.7/53.3	120°
VK774		140°

Model D-2		
SIN	K-Factor	Spray Angle
VK780	4.3/61.9	30°
VK781	4.6/69.1	60°
VK782	5.0/72.0	90°
VK783	4.9/70.6	120°
VK784		140°

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Alarm Check Valves | Model J-1



Valve Sizes	3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	20.7bar/300psi water working pressure
Listings & Approvals	cULus, FM, LPCB, VdS, CE, CCC, ABS, NYC

Swing Check Valves | Model E-1 & F-1



Valve Sizes	3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	20.7bar/300psi water working pressure
Listings & Approvals	cULus, FM, CE, CCC, ABS, NYC, VNIPO

Check Valves | Model M-2



The Viking 4" Model M-2 Check Valve is a general-purpose rubber-faced check valve approved for use in fire service systems.

Retard Chambers | Model C-1



The Viking Model C-1 Retard Chamber is a surge tank used with Viking Alarm Check Valves to reduce the possibility of false alarms due to changes in the water supply pressure.

Spring Loaded In-line Check Valve | Model K-1, L-1



The Viking Spring Loaded In-Line Check Valve is a general-purpose rubber-faced check valve approved for use in fire-service systems and may be installed vertically or horizontally. .

Swing Check Valves | Model D-1, G-1



Valve Sizes	2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Flange/Flange, Groove/ Groove
Connection Specifications	Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	20.7bar/300psi water working pressure
Listings & Approvals	cULus, FM, NYC
Technical Datasheet	F_102688

* Note: Compatible with ANSI125

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Valves | Dry Pipe Systems

Dry Valves | Model F-1 & F-2



Valve Sizes	3"/DN80, 4"/DN100, 6"/DN150,
Connection Types	Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	12.1bar/175psi water working pressure
Listings & Approvals	cULus, FM, NYC, CE, LPCB*, VdS*

* Only for Model F-1

Dry Valves | Model VXR



Valve Sizes	2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150
Connection Types	Groove/ Groove
Connection Specifications	Grooved: ANSI/AWWA C606
Pressure Rating	17.2bar/250psi water working pressure
Listings & Approvals	cULus, FM

Accelerators | Model D-2



The Viking Model D-2 Accelerator is a quick-opening device, with an integral anti-flood assembly, used to increase the operating speed of a differential type dry pipe valve.

Accelerators | Model E-1



The Viking Model E-1 Accelerator is a quick-opening device. When installed with the required external Anti-flood Device, the assembly is designed to increase the operating speed of Viking Model F Dry Pipe Valves.

Anti-flood Device | Model B-1



The Model B-1 Anti-flood Device is required when Viking accelerators are installed on dry systems according to Viking Model E-1 Accelerator Trim Charts.

Dehydrator



The Dehydrator is a manually regenerated desiccant-type air dryer. The desiccant acts as a moisture indicator by changing color, and is visible through the sight gauge.

* Note: Compatible with ANSI125

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Valves | Deluge & Preaction Systems

Deluge Valves | Model FSX-A



Valve Sizes	2"/DN40, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	16.0bar/232psi water working pressure
Listings & Approvals	cULus, FM

Deluge Valves | Model F-1



Valve Sizes	1½"/DN40, 2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Threaded, Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Threaded: NPT Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	17.2bar/250psi water working pressure
Listings & Approvals	UL, C-UL, FM, ABS, NYC, CE

Deluge Valves | Halar Coated | Model F-2



Valve Sizes	1½"/DN40, 2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Threaded, Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Threaded: NPT Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	17.2bar/250psi water working pressure
Listings & Approvals	UL, FM, CE, ABS, NYC

Deluge Valves | Model VXD



Valve Sizes	1½"/DN40, 2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200, 10"/DN250
Connection Types	Flange/Flange (3"-10"), Groove/ Groove
Connection Specifications	Flange: ANSI150*, PN16 Grooved: ANSI/AWWA C606
Pressure Rating	17.2bar/250psi water working pressure
Listings & Approvals	cULus, FM

* Note: Compatible with ANSI125

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Valves | Deluge & Preaction Systems

Trim Assemblies | TRIMPAC®



MODELS	CONFIGURATION
B-1 & B-1B	Deluge System with Electric Release
B-2, B-2 & B-2S	Deluge System with Pneumatic Release
B-3 & B-3B	Single Interlock Preaction with Electric Release
B-5 & B-5B	Double Interlock Preaction Systems with Electric Pneumatic Release
B-6 & B-6B	Double Interlock Preaction Systems with Electric Pneumatic Release
D-1 & D-1B	Surefire Single Interlock Preaction Systems
D-2 & D-2B	Surefire Double Interlock Preaction Systems
B-11 LPCB Type 1	Single Interlock Preaction with Electric/Pneumatic Release

Components | Thermostatic Release | Model C-1 & C-2



The Viking Models C-1 & C-2 Thermostatic Release is a rate-of-rise releasing device for use on hydraulic and pneumatic release systems controlling operation of Viking deluge valves on deluge or preaction systems.

Components | HP Temperature Release | VK800



The Viking MicrofastHP® Fixed Temperature Release is a fixed-temperature, heat-responsive device. It is designed for use on pilot line release systems to activate deluge and preaction systems.

Components | Control Panel | Model VFR400



Viking VFR400 is a microprocessor based multi-hazard releasing control panel for use on preaction, deluge, Surefire® & Firecycle® multicycle sprinkler systems, VSN1230 Fire Extinguishing System & VSN200 Fire Extinguishing System.

Components | Pressure Operated Relief Valve | Model C-1



The Viking Model C-1 Pressure Operated Relief Valve (PORV) is used in Viking Deluge Systems when automatically resetting releases are used. Once tripped, it maintains a positive vent to prevent the deluge valve from automatically resetting prematurely.

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Flow Control Valves | Model J-1



Valve Sizes	1½"/DN40, 2"/DN50, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Threaded, Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Threaded: NPT Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	17.2bar/250psi water working pressure
Listings & Approvals	UL, cULus, FM, ABS, NYC

Flow Control Valves | Halar Coated | Model J-2



Valve Sizes	1½"/DN40, 2"/DN50, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Connection Types	Threaded, Flange/Flange, Groove/ Groove, Flange/Groove
Connection Specifications	Threaded: NPT Flange: ANSI150*, PN10/16 Grooved: ANSI/AWWA C606
Pressure Rating	17.2bar/250psi water working pressure
Listings & Approvals	UL, cULus, FM, ABS, NYC

System Components | Pneumatic Actuator | Model H-1 & R-1



The Viking Pneumatic Actuator is a spring loaded to open, rolling diaphragm, piston operated valve. It is used wherever a separation is required between the detection and operating systems.

System Components | Solenoid Valve | 250psi/17bar



The solenoid valve is a pack-less, internal pilot operated valve, suitable for use in releasing water pressure from the priming chamber of Viking Model E & F Series Deluge Valves and Viking Model H & J Series Flow Control Valves.

System Components | High Pressure Solenoid Valve | 300psi/21bar



The high pressure solenoid valve is a pack-less, internal pilot operated valve, suitable for use in releasing water pressure from the priming chamber of Viking Model E & F Series Deluge Valves and Viking Model H & J Series Flow Control Valves.

* Note: Compatible with ANSI125

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Valves | System Components

Float Check Valve Assembly | Model B-1 & B-2



The Viking Float Check Valve Assembly protects pneumatic devices from water columns and reset due to system pressure, used in Dry Pipe systems with Model E Accelerator, HP Dry Systems, EZ Trim riser mounted and TotalPac2, Double interlock Preaction both Electric/Pneumatic and Pneumatic/Pneumatic Systems.

Air Pressure Maintenance Device | Model D-2



The Viking Model D-2 Air Pressure Maintenance Device is a pressure regulator that automatically reduces the supply air pressure to a preset requirement when connected to a constantly maintained air supply.

Anti Column Device | Model LD-1



The Viking Model D-2 Air Pressure Maintenance Device is a pressure regulator that automatically reduces the supply air pressure to a preset requirement when connected to a constantly maintained air supply.

Emergency Release | Model C-1 & C-2



The Viking Emergency Release operates as a manual tripping device for use on Deluge and Flow Control Valve Trim and on hydraulic and pneumatic release systems controlling operation of Viking Deluge and Flow Control Valves.

Water Motor Alarm | Model F -1



The Viking water motor alarm mechanical device actuated by a flow of Water and designed to sound a continuous alarm while a sprinkler system operates.

Pilot Pressure Regulating Valve | Model C-2



The Viking Model C-2 Pilot Pressure Regulating Valve automatically reduces higher inlet pressure to a lower delivery pressure, maintaining that pressure within a close limit regardless of fluctuations in the higher pressure inlet line.

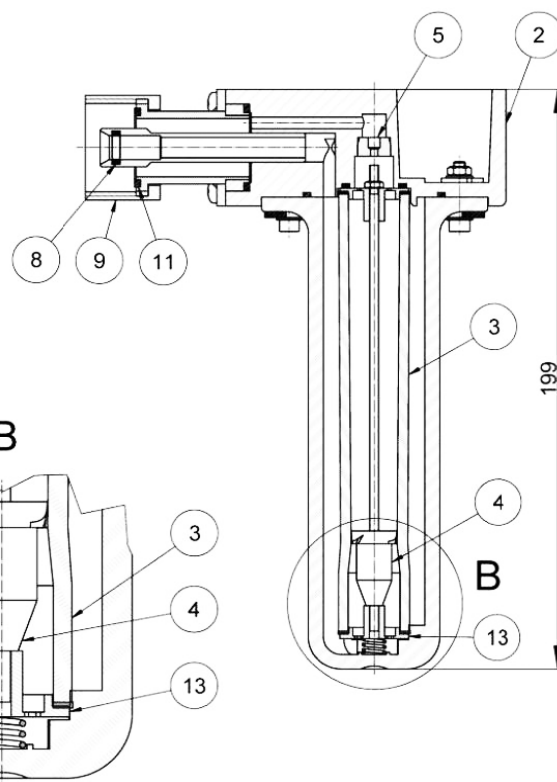
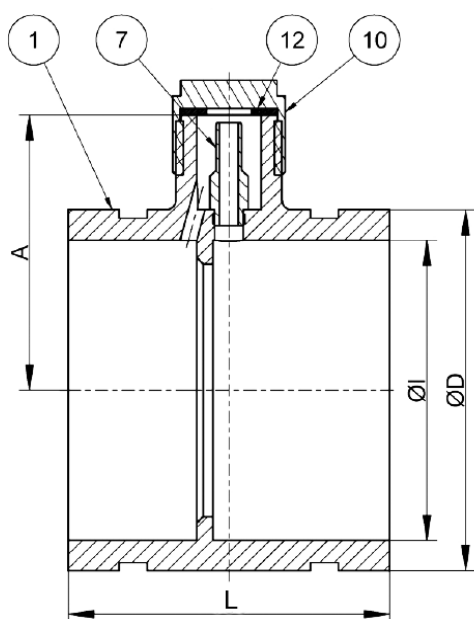
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Turbo-Lux3



Sizes	2"/DN50 to 12"/DN300
Maximum Pressure	232psi / 13 bar
Accuracy	±2% FM, ±5% LPCB, ±2.5% VdS
Working Temperature	4°C to 50°C (39°F to 122°C)
Pressure Rating	17.2bar/250psi water working pressure
Calibration	Supplied with bypass meter calibration certificate as standard
Installation	Maintain 5 pipe diameters upstream and 2 pipe diameters downstream
Listings & Approvals	FM (all sizes), LPCB & VdS (2" - 8")



Item	Description	Material
1	Housing	Stainless-Steel (2" to 4") Coated Carbon Steel (6" to 12")
2	Bypass Meter	Polyamide (PA)
3	Measuring Tube	Polycarbonate (PC)
4	Float	Stainless-Steel
5	Bypass Orifice	Stainless-Steel
6	Sampling Tube	Brass
7	O-Ring	NBR Rubber
8	Screw Cap	Stainless-Steel
9	Cap	Aluminium
10	O-Ring	NBR Rubber
11	Seal	NBR Rubber
12	Filter	Stainless-Steel

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Turbo-Lux3

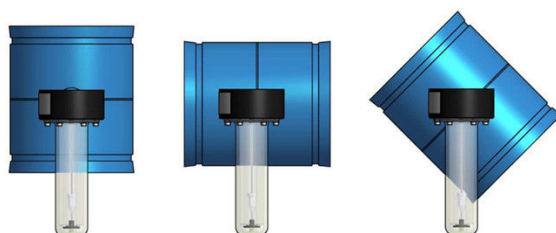
Part number	Part number	Nominal Size		Pipe OD (mm)	Length L (mm)	Pump Rating GPM	Range		Weight (Kg)	Approval		
		Metric	inch				LPM	GPM		FM	LPCB	VdS
917790	917790C	DN50	2"	60.3	100	50	75-375	20-100	2.0	X	X	X
848105**	848105C**	DN50	2"	60.3	100	100	160-800	40-210	2.0	-	-	X
923212	923212C	DN65	2½"	76.1	100	100	150-750	40-200	2.1	-	X	X
917791	917791C	DN80	3"	88.9	100	150	220-1,100	60-300	2.3	X	X	X
917792	917792C	DN80	3"	88.9	100	200	300-1,500	80-400	2.3	X	X	X
848107**	848107C**	DN80	3"	88.9	100	250	420-2,100	110-550	2.3	-	-	X
917793	917793C	DN100	4"	114.3	100	250	380-1,900	100-500	3.2	X	X	X
917794	917794C	DN100	4"	114.3	100	300	460-2,300	120-600	3.2	X	X	X
917795	917795C	DN100	4"	114.3	100	400	600-3,000	160-800	3.2	X	X	X
917796	917796C	DN100	4"	114.3	100	450	680-3,400	180-900	3.2	X	X	X
926123	926123C	DN150	6"	165.1	200	500	760-3,800	200-1,000	4.9	X	X	X
926124	926124C	DN150	6"	165.1	200	750	1,130-5,650	300-1,500	4.9	X	X	X
926133	926133C	DN150	6"	165.1	200	1000	1,500-7,500	400-2,000	4.9	X	X	X
926134	926134C	DN150	6"	165.1	200	1250	1,900-9,500	500-2,500	4.9	X	X	X
926121	926121C	DN150	6"	168.3	200	500	760-3,800	200-1,000	4.9	X	X	X
917797	917797C	DN150	6"	168.3	200	750	1,130-5,650	300-1,500	4.9	X	X	X
917798	917798C	DN150	6"	168.3	200	1,000	1,500-7,500	400-2,000	4.9	X	X	X
917799	917799C	DN150	6"	168.3	200	1,250	1,900-9,500	500-2,500	4.9	X	X	X
917800	917800C	DN200	8"	219.1	200	1,500	2,200-11,000	600-3,000	6.4	X	X	X
917801	917801C	DN200	8"	219.1	200	2,000	3,000-15,000	800-4,000	6.4	X	X	X
917802	917802C	DN200	8"	219.1	200	2,500	3,800-19,000	1,000-5,000	6.4	X	X	X
917803	917803C	DN200	8"	219.1	200	3,000	4,500-22,500*	1,200-6,000	6.4	X	X	X*
926135	926135C	DN250	10"	273.0	200	3,500	5,300-26,500	1,400-7,000	8.5	X	-	-
926136	926136C	DN250	10"	273.0	200	4,000	6,000-30,000	1,600-8,000	8.5	X	-	-
926137	926137C	DN250	10"	273.0	200	4,500	6,800-34,000	1,800-9,000	8.5	X	-	-
926154	926154C	DN300	12"	323.9	200	5,000	7,600-38,000	2,000-10,000	11.0	X	-	-

* VdS approved flowrange is limited to 10 m/s, corresponding to a maximum flowrate of 20,800 LPM

** The display is in LPM only

Installation

1. Check that the serial number on the housing and meter are matching.
2. Although the housing may be installed in any position, the meter must be positioned vertically downwards.
3. Remove the cap and install the meter – tighten by hand
4. When the meter is not in operation, remove the meter and store. Replace the cap and hand-tighten.



Operation

1. When starting the pump, keep the bypass line control valve partially closed (but open minimum 30%) and then open the control valve fully to avoid damage to the meter.
2. Once the desired constant flow has been achieved, take a reading from the top-most part of the float.
3. On initial operation, air may accumulate in the meter. To remove air bubbles, loosen the nut and rotate the meter until the air escapes. Re-position the meter and tighten the nut.
4. The scale is given in LPM and GPM and additionally as a % where 100% is the rated power of the pump according to the table.
5. After measurement, remove the meter and replace the protective cap.

NOTE: If the flowmeter is to be exposed to pressures in excess of 16 bar during the system hydrostatic test, ensure the cap is installed and not the meter.

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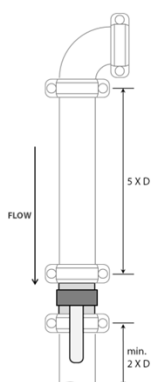
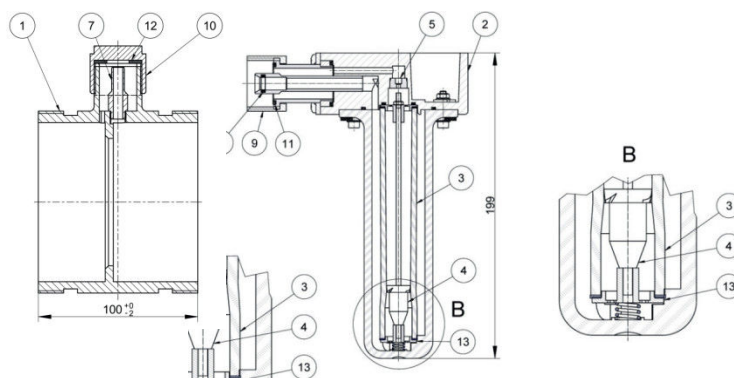


Turbo-Lux3

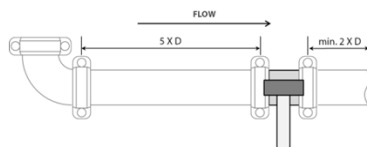


Sizes	3"/DN65
Hazard Classification	OH1, OH2, OH3 & OH3Special (4 in 1)
Maximum Pressure	232 psi / 16 bar
Hydrostatic Pressure Test	580 psi / 40 bar (5 minutes)
Working Temperature	4°C to 50°C (39°F to 122°F)
Accuracy	+/- 5.0% of measured value
Measurement Range	375 – 2100 l/min
Installation	Horizontal or Vertical
Listings & Approvals	LPCB

Description	Material
Housing – Orifice Plate	Stainless Steel
Differential Pressure Tube	Brass
Float	Stainless Steel
Bypass Orifice	Stainless Steel
Filter	Stainless Steel
Seal	NBR



Vertical Installation



Horizontal Installation

Occupancy Group	Minimum Running Pressure		Flow Rate	
	kpa	psi	l/min	gpm
1	100	14.5	375	99.1
	70	10.2	540	142.7
2	140	20.3	725	191.5
	100	14.5	1000	264.2
3	170	24.7	1100	290.6
	140	20.3	1350	356.6
3 Special	200	29.0	1800	475.5
	150	21.8	2100	554.8

Installation

1. Check that the serial number on the housing and meter are matching.
2. The housing may be installed in a horizontal or vertical position, the meter must be positioned vertically downwards.
3. Remove the cap and install the meter – tighten by hand
4. When the meter is not in operation, remove the meter and store. Replace the cap and hand-tighten.

Operation

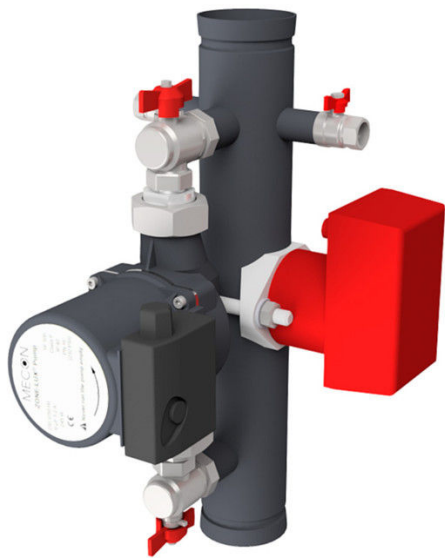
1. When starting the pump, keep the bypass line control valve partially closed (but open minimum 30%) and then open the control valve fully to avoid damage to the meter.
2. Once the desired constant flow has been achieved, take a reading from the top-most part of the float.
3. On initial operation, air may accumulate in the meter. To remove air bubbles, loosen the nut and rotate the meter until the air escapes. Re-position the meter and tighten the nut.
4. The scale is given in LPM and GPM and additionally as a % where 100% is the rated power of the pump according to the table.
5. After measurement, remove the meter and replace the protective cap.

NOTE: If the flowmeter is to be exposed to pressures in excess of 16 bar during the system hydrostatic test, ensure the cap is installed and not the meter.

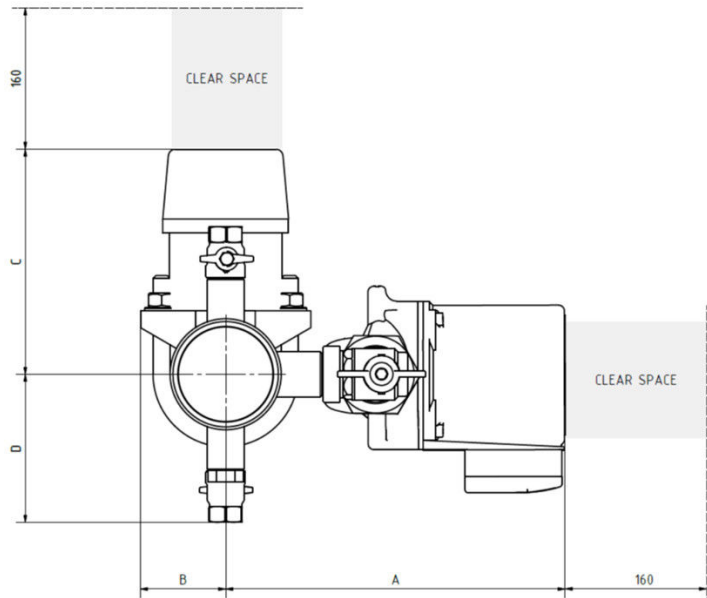
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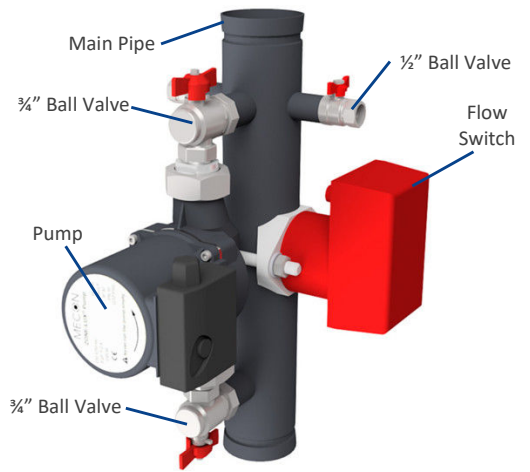
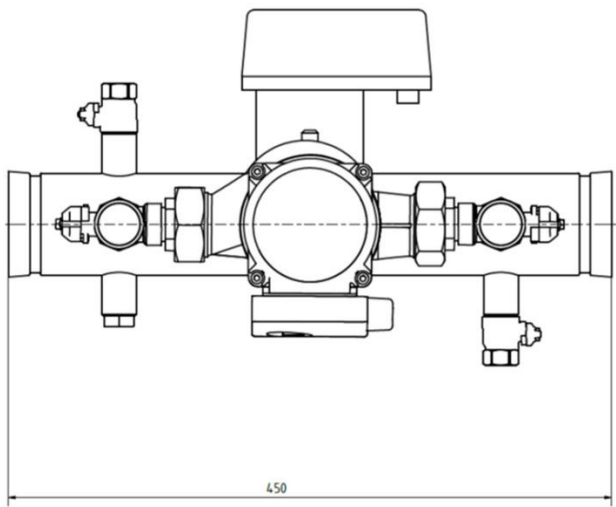
Turbo-Lux3



Sizes		2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200
Operating Pressure		232psi / 16bar
Temperature Range		4°C to 50°C (39°F to 122°F)
Connection		Groove x Groove
Pump	Protection Class	IP42
	Input Voltage	220 – 240 V AC (50-60Hz)
	Max. Flowrate	115lpm / 30.4 gpm
Flow Switch	Protection Class	IP54
	Flow Sensitivity	30 to 57 l/min (63 to 15 gpm)
	Pressure Loss	DN50 – 100: ≤ 0.2bar (3psi) at 5m/s DN150-200: ≤ 0.07bar (1psi) at 5m/s
	Contact Loads	Two SPDT Devices (Form C) 10.0A at 125/250 V AC 2.0A at 30 V DC Resistance 1-mA min. at 24 V DC
Approvals		VdS, FM



Size		Pipe Size (mm)	A	B	C	D
DN	Inches					
DN50	2"	60.3	247	52	145	116
DN65	2½"	73.0	255	60	155	124
DN65	2½"	76.1	255	60	155	124
DN80	3"	88.9	256	71	165	130
DN100	4"	114.3	269	84	170	140
DN125	5"	139.7	282	97	185	155
DN150	6"	165.1	296	111	200	268
DN150	6"	168.3	296	111	200	168
DN200	8"	219.1	322	137	235	195



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Other Products | Switches

Water Flow Alarm Switches | VSR (With Retard)



NEMA 4/IP54 for indoor or outdoor	450psi / 31bar service pressure
Temp Range: 4.5°C to 49°C (40°F to 120°F)	Maximum Surge: 18fps / 5.5m/s
Two sets of SPDT (Form C): 10Amps at 125/250VAC, 2.0Amps at 3-VDC Resistive, 10mAmps in. at 24VDC	Flow Sensitivity: 4-10gpm / 15-38lpm
	Listings: cULus, FM, LPCB, CSFM, CE

Water Flow Alarm Switches | VSR-S (For Small Pipe)



NEMA 4/IP54 for indoor or outdoor	300psi / 20.1bar service pressure
Temp Range: 4.5°C to 49°C (40°F to 120°F)	Maximum Surge: 18fps / 5.5m/s
Two sets of SPDT (Form C): 10Amps at 125/250VAC, 2.0Amps at 3-VDC Resistive, 10mAmps in. at 24VDC	Required flow for alarm: 10gpm / 38lpm
	Listings: UL, cUL, FM, LPCB, CSFM, NYMEA, and CE

Water Flow Alarm Switches | VSR-AT (Electronic Retard, Auto Test Feature)



NEMA 4/IP54 for indoor or outdoor	450psi / 31bar service pressure
Temp Range: 4.5°C to 49°C (40°F to 120°F)	Maximum Surge: 18fps / 5.5m/s
Two sets of SPDT (Form C): 10Amps at 125/250VAC, 2.0Amps at 3-VDC Resistive, 10mAmps in. at 24VDC	Flow Sensitivity: 4-10gpm / 15-38lpm
	Listings: cULus, FM, CE

Auto Test Control Switch (For Remote Operation)



Initiates Auto Test feature in VSR-AT	Key switch to enable/disable the push button
Momentary push button test switch	LED indicator

Water Flow Alarm Switches | VSR-FE2 (Electronic Retard)



NEMA 4 Rated Enclosure	450psi / 31bar service pressure
Temp Range: 4.5°C to 49°C (40°F to 120°F)	Maximum Surge: 18fps / 5.5m/s
Two sets of SPDT (Form C): 2 Amps at 30VDC or 125VAC resistive	Required flow for alarm: 10gpm / 38lpm
	Listings: UL, ULC, FM

Water Flow Alarm Switches | VS-SP (Small Pipe, Without Retard)



NEMA 4/IP55 for indoor or outdoor	250psi / 17.2bar service pressure
Temp Range: 4.5°C to 49°C (40°F to 120°F)	Maximum Surge: 18fps / 5.5m/s
1 set of SPDT (Form C) Optional 2 nd set	Required flow for alarm: 10gpm / 38lpm
	Listings: UL, cULus, CSFM, NYBSA, CE

Water Flow Alarm Switches | VSG (Low Flow)



NEMA 4/IP54 for indoor or outdoor	450psi / 31bar service pressure
Temp Range: 4.5°C to 49°C (40°F to 120°F)	Maximum Surge: 18fps / 5.5m/s
2 sets of SPDT (Form C): 2 Amps at 30VDC or 125VAC resistive	Required flow for alarm: 3gpm / 11.4lpm
	Listings: cULus, CSFM, CE

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Other Products | Switches

Pressure Switches | PS Series (Pressure Type Waterflow Alarm / Supervisory Switch)



Pressure Type Waterflow Alarm/Supervisory Switch	Two ½" knock outs for dual voltage applications
Pressure range: 4-15 psi (PS10), 5-30 psi (PS15), 10-60 psi (PS25 & PS40), 25-175psi (PS120)	5-year warranty
300 psi system pressure rated	Listings: UL, cUL, CSFM, FM, LPC, NYMEA, and CE 'VdS' is listed with UL, FM, VdS, CUL, LPCB, and CSFM

Pressure Switches | PCS/ADPS (Pump Control Adjustable Deadband Switch)



Pump Control/Adjustable Deadband Pressure Switch	Independent set and reset points
NEMA 4X enclosure for indoor or outdoor use	Horsepower rating: ½HP (PCS) 1/8HP (ADPS)
25-300 psig adjustable operating range	
12 psi minimum deadband	Listings: UL, CE and CSA

Supervisory Switches | PCVS-2 (Control Valve Supervisory Switch)



NEMA 6P (Submersible)	½" male NPT fitting
Factory installed neoprene gasket	Two sets of SPDT (Form C)
Fully adjustable stainless steel trip rod	5-year warranty
Installs on BFV or PIV in any position	Listings: UL, cUL, FM, LPCB, CSFM, NYMEA, and CE

OS&Y Valve Supervisory Switch | OSYSU-1 & 2 (OS&Y Supervisory Switch)



NEMA 6P (Submersible)	Adjustable stainless steel trip rod
Factory installed neoprene gasket	Installs on OS&Y valves in any position
SPDT (Form C): 1 set (OSYSU-1), 2sets (OSYSU-2)	5-year warranty
Fits ½"to 12" valve sizes	Listings: UL, cUL, FM, LPCB, CSFM, NYMEA, and CE

Supervisory Switches | PTS-C (Plug Type Supervisory Switch)



NEMA 6P (Submersible)	For non-rising stem valves and special applications
Factory installed neoprene gasket	SPDT cover tamper 250mA at 28 VDC/AC
SPDT contacts 100mA at 28 VDC/AC, 250mA at 12 VDC/AC	5-year warranty
	Listings: UL, cUL, FM, NYMEA, and CSFM

Tank Water Level | WLS (Water Level Switch)



NEMA 4 solid metal enclosure	Maximum pressure 175 psi
Detection range before 3" rise/ before 3" fall of water level	Suitable for steel or wooden tanks Works on pressure or gravity tanks
Detection of 12" drop in water level	Listings: UL, NYMEA, and CSFM

Retrofit Ball Valve Switch| RBVS (Retrofit Ball Valve Switch)



Valve shown for reference only.

NEMA 4 rated enclosure for indoor or outdoor use	Fits virtually any ½" - 2" ball valve
Monitors alarm line ball valves	Meets NFPA requirements 13, 2010, 18.17.1 and IBC/IFC 2009, 903.4
Perfect for backflow preventers 1" - 2"	
Mounts on standard & "T" style valves	Listings: UL, cUL, NYMEA and FM Approved

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Other Products| Explosion Proof Switches

Supervisory Switches | PIVSU-EX-O (Outdoor Post Indicator and Butterfly Valve Supervisory Switch)



NEMA 1, 3, 4, 4X, 6, 6P, 9 & 13 IP66 and 67	Hazard: Class I, Div. 1&2, Groups C-D;
Water & dust tight and corrosion resistant	Class II, Div. 1&2, Groups E,F,G
1 set SPDT: 15Amps at 125VAC, 0.5Amps at 125VDC	Temp Range: -25°C to 85°C (-13°F to 185°F)
	Listings: UL, CSA, ATEX/IEC EX

Waterflow Switches | VSR-FEX Series (Vane Type Waterflow Switch)



NEMA 4/IP66	Hazard: Class I Div. 1&2 Groups C,D;
Minimum flowrate for alarm: 10gpm / 38lpm	Class II Div. 1&2 Groups E,F,G; Class III Div. 1&2
Two sets of SPDT (Form C): 15.0 Amps at 125/250 VAC, 2.0 Amps at 30 VDC Resistive	Max System Pressure: 450psi / 31bar
	Listings: UL, FM, ATEX/IEC EX, CE

Pressure Switches | PS40-EX (Low/High Pressure Supervisory Switch for Dry Valves)



IP66/NEMA 4,9	Hazard: Class I, Div. 1, Groups B,C,D;
Temp Range: -40°C to 60°C (-40°F to 140°F)	Class II, Div. 1, Groups E,F,G; Class III Div. 1
Two sets of SPDT (Form C): 15.0 Amps at 125/250 VAC, 2.0 Amps at 30 VDC	Max System Pressure: 300psi / 20.7bar
	Listings: UL, FM, ATEX/IEC EX, CE

Pressure Switches | PS10-EX (Pressure Type Waterflow Switch for Sprinkler Systems)



IP66/NEMA 4,9	Hazard: Class I, Div. 1, Groups B,C,D;
Temp Range: -40°C to 60°C (-40°F to 140°F)	Class II, Div. 1, Groups E,F,G; Class III Div. 1
Two sets of SPDT (Form C): 15.0 Amps at 125/250 VAC, 2.0 Amps at 30 VDC	Max System Pressure: 300psi / 20.7bar
	Listings: UL, FM, ATEX/IEC EX, CE

Waterflow Switches | OSYSU-EX (OS&Y Valve Supervisory Switch)



NEMA 1, 7, 9	Hazard: Class I Div. 1&2 Groups C,D;
Temp Range: -40°C to 60°C (-40°F to 140°F)	Class II Div. 1&2 Groups E,F,G
1 set of SPDT : 15.0 Amps at 125VAC, 0.5Amps at 125 VDC	Adjustable length trip rod
	Listings: UL, CSA, ATEX/IEC EX

Pressure Switches | OSYSU-EX-O (Outdoor OS&Y Valve Supervisory Switch)



NEMA 1, 3, 4, 4X, 6, 6P, 9, 13, IP66, 67	Hazard: Class I, Div. 1&2, Groups C,D;
Temp Range: -25°C to 85°C (-13°F to 185°F)	Class II, Div. 1&2, Groups E,F,G
1 set of SPDT : 15.0 Amps at 125VAC, 0.5Amps at 125 VDC	Adjustable length trip rod
	Listings: UL, CSA, ATEX/IEC EX

Pressure Switches | PIVSU-EX (Post Indicator Valve Switch)



NEMA 1, 7, 9	Hazard: Class I, Div. 1&2, Groups C,D;
Temp Range: -40°C to 60°C (-40°F to 140°F)	Class II, Div. 1&2, Groups E,F,G
1 sets of SPDT : 15.0 Amps at 125 VAC, 0.5 Amps at 125 VDC	Adjustable length trip rod
	Listings: UL, CSA, ATEX/IEC EX

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TOTALPAC® N2 Cabinet

TOTALPAC® N2 cabinets are fully programmed and factory tested which makes the onsite installation and commissioning process a fairly easy task.

The FireFlex® cabinets are of the freestanding type and are made of robust 14 gauge steel with a corrosion resistant fire red paint finish, polyester powder-coated and oven-baked on a phosphate base.

Cabinets are also provided with two locked frontal doors that are removable without special tools, reducing space requirements for ease of installation and maintenance. Furthermore, all doors are provided with a neoprene gasket to reduce vibrations.

- Uses the Viking Model F-1 Deluge valve
- Optional Viking VFR-400 releasing control panel
- Compact, aesthetic and easy to move
- Neoprene gasket on all doors to eliminate vibrations
- No open drain cup inside unit
- Separate unlocked access hatch to
- emergency manual release
- Serial number on every unit for easy
- reference
- User-friendly standardized owner's manual with every unit



Protector Dry SMART Vent

- Corrosion inhibiting system that limits the liability of early pipe replacement
- All system's electrical and mechanical components contained in one single unit
- Protector Dry SMART Vent directly installed inside the cabinet.
 - Installed inside the cabinet, no remote installation required
 - Facilitates patented «fill and purge» breathing process
 - Pressure regulator prevents system depressurization
 - Float valve prevents water discharge
 - Requires no plumbing to drain
- Optional real-time nitrogen concentration monitored inside the cabinet
- Engineered for low energy consumption
- Simple and inexpensive to maintain
- Significant cost saving by using black pipe in combination with nitrogen
- No storage tank required, allowing smaller footprint
- No additional compressor required on most systems up to 250 gallons



PGEN-5FF Nitrogen Generator

The ECS® PGEN-5 FF system provide an economical, precise means of generating high purity nitrogen. Since air is comprised of ~79% N₂, we simply and cost-effectively separate the N₂ from the air. Nitrogen is an inert gas (noncombustible) and widely used in thousands of industries along with fire protection systems.

- Handles up to 950 gallons (3596 litres) of nitrogen for sprinkler piping capacity
- Initial sprinkler piping capacity lower than 250 gallons only requires the ECS® PGEN-5 FF compressor
- Pre-filters and pressure regulator
- Control panel with gauges, hour meter and power, bypass and vent switches.



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Other Products | Corrosion Inhibiting Systems

Nitrogen Generators | Wall Mountable | INS-100 (Wall Mountable)



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 675 gallons of total sprinkler system capacity.
- 10-gallon nitrogen tank.
- Integrated ¼HP oil-less air compressor included to meet NFPA 13.
- 30 minutes fill for 160-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Wall Mountable | INS-250



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 1,000 gallons of total sprinkler system capacity.
- 10-gallon nitrogen tank.
- Integrated ½HP oil-less air compressor included to meet NFPA 13.
- 30 minutes fill for 300-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Skid Mounted | INS-500



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 1,850 gallons of total sprinkler system capacity.
- 20-gallons air tank and 20-gallon nitrogen tank.
- Integrated 1HP oil-less air compressor included to meet NFPA 13.
- 30 minutes fill for 500-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Wall Mountable | INS-600



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 2,350 gallons of total sprinkler system capacity.
- 20-gallon nitrogen tank.
- 2 Integrated ½HP oil-less air compressor included to meet NFPA 13.
- 30 minutes fill for 525-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Skid Mounted | INS-1000



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 3,400 gallons of total sprinkler system capacity.
- 20-gallon air tank and 20-gallon nitrogen tank.
- Integrated 2HP oil-less air compressor included to meet NFPA 13.
- 30 minutes fill for 1,000-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Skid Mounted | INS-1500



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 6,200 gallons of total sprinkler system capacity.
- 3 skids: 80-gallon tank mounted air compressor, nitrogen cabinet and 60-gallon nitrogen.
- 7.5 HP lubricated tank mounted air compressor included to meet NFPA 13.
- 30 minutes fill for 2,000-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Skid Mounted | INS-2000



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 12,000 gallons of total sprinkler system capacity.
- 3 skids: 80-gallon tank mounted air compressor, nitrogen cabinet and 60-gallon nitrogen.
- 7.5 HP lubricated tank mounted air compressor included to meet NFPA 13.
- 30 minutes fill for 2,400-gallon system at 40 PSI.
- FM Approved.

Nitrogen Generators | Skid Mounted | INS-2500



- Potter's IntelliGen™ Controller (Patent Pending).
- Handles up to 24,000 gallons of total sprinkler system capacity.
- 3 skids: 80-gallon tank mounted air compressor, nitrogen cabinet and 120-gallon nitrogen.
- 7.5 HP lubricated tank mounted air compressor included to meet NFPA 13.
- 30 minutes fill for 2,400-gallon system at 40 PSI.
- FM Approved.

Note: This page contains basic product information for reference only. Users must always refer to the technical datasheet on www.viking-asia.com, www.vikinggroupinc.com or contact your local VIKING Sales Representative. Certificates, test reports and approvals may be published in the OEM name. Images used on this page are purely for illustration only and may not accurately represent the actual physical products. The contents of this publication are subject to change without prior notice. All rights reserved.



Other Products | Air Compressors

Oil-Less, Riser Mount | OL Advance Series (For Dry Pipe & Preaction Systems)

Introducing the most advanced Fire Protection Air Compressors ever built!

Featuring an all-new, UL 508 Listed, General Air Products Digital Pressure Switch.

The ONLY UL-Listed Digital Pressure Switch in the Fire Protection industry designed and built by the compressor manufacturer themselves.

Displays Pressure Readings, Run Hours, Amps, Cycles, and is extremely easy to adjust pressure settings in the field.



System Capacity (gal) by System Pressure

Model Number	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI
OLRV120-A	265	170	120	95	75	65	55	45	40
OLRV250-A	565	350	250	190	155	125	105	90	75
OLRV400-A	930	595	400	325	255	215	180	155	135
OLRV500-A	1030	655	500	360	290	240	200	170	145
OLRV600-A	1250	790	600	435	350	285	240	210	180
OLRV915-A	2190	1325	915	680	525	420	340	280	240
OLRV1095-A	2630	1625	1095	860	690	555	465	390	340

The OL Advance Series Digital Fire Protection Air Compressors are UL 1450-VDUR Listed and specifically designed to fill dry pipe and pre-action fire sprinkler systems to supervisory pressure within 30 minutes per NFPA 13.

The OL Advance single phase standard pressure and low pressure units are UL 1450, Supplement SC listed for fire protection, fully automatic, and virtually maintenance free. The supplied 30" braided stainless steel flex hose and a riser mounting kit to allow for a fast and easy installation. The riser mounting kit is excluded, these compressors can be wall or floor mounted as well.

Other available products:



Wall Mount Nitrogen Generators



Standard Nitrogen Generators



Nitro-G3® Nitrogen Generators

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Sway Braces, Clamps & Attachments



Fig. 75
Swivel Attachment



Fig. 98B
Rod Siffener with
Break-Off Bolt head



Fig. 4A
Pipe Clamp For Sway
Bracing



Fig. 4L
Longitudinal 'Inline'
Sway Brace
Attachment



Fig. 4LA
Longitudinal 'Inline'
Sway Brace
Attachment



Fig. 800
Adjustable Sway
Brace Attachment To
Steel



Fig. 825
Sway Brace
Attachment To Steel



Fig. 825A
Sway Brace
Attachment To Steel



Fig. 828
Universal Sway Brace
Attachment To Steel



Fig. 906
Sway Brace Mutli-
Fastener To Steel



Fig. 907
Mutli-Angle
Attachment



Fig. 909
No-Thread Swivel
Sway Brace
Attachment



Fig. 910
Threaded Swivel
Sway Brace
Attachment



Fig. 975
Straight Sway
Brace Fitting



Fig. 980
Universal Sway Brace
Attachment



Fig. 1000
Fast Clamp Sway
Brace Attachment



Fig. 1001
Sway Brace
Attachment



Fig. 1001
Sway Brace
Attachment

Concrete Inserts



Fig. 109A
Concrete Deck
Insert



Fig. 109F
Concrete
Insert



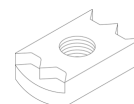
B2500
(TOLCO 310)
Light Duty Spot Insert



N2500
(TOLCO 310N)
Steel Insert Nut



B3014
(TOLCO 309)
Malleable Iron
Spot Insert



B3014N
(TOLCO 309N)
Malleable Iron
Insert Nut

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PRODUCTS & SOLUTIONS

To address a wide spectrum of fire risk and challenges, Viking offers a broad and comprehensive range of products, systems and solutions classified into these product groups:

WATER



Fire Sprinklers

- Standard Coverage
- Extended Coverage
- Storage
- Dry
- Special
- Residential
- Nozzles

Valves

- Wet / Alarm
- Deluge & Preaction
- Dry Pipe
- Pressure Regulating
- Butterfly
- Gate
- Check

Flexible Sprinkler Hose Escutcheons

Guards & Shields **Test & Drain**
Multiple Jet Control **Wrenches**
& Adapters
Flow Meter & Proving Pipe
Water Mist Systems

FOAM



Fluorine Free Systems Storage Tanks

- Vertical Bladder Tank
- Horizontal Bladder Tank
- Atmospheric Storage Tank
- Tank Accessories
- Pre-assembled Foam Bladder Tank

Discharge Devices

- Foam Generator
- Foam Sprinkler / Nozzle
- Grate Nozzle
- Tank Protection

Monitor Equipment

Foam Pump Products
Valves & Accessories

Proportioning Devices

- ILBP / Balanced Proportioner
 - In-line Eductor
 - Ratio Controller
 - Wide range Proportioner
- Foam Concentrates**
Synthetic Fluorine Free Foam

GAS



CO2

- High Pressure
- Low Pressure

Clean Agent Systems

- FM-200® Systems
- Novec™ 1230 Systems

Pre-Engineered Systems

- FM-200® Systems
 - Novec™ 1230 Systems
- Cabinet Protection System**
Server Rack Protection System

Inert Gas Systems

- IG-01
- IG-100
- IG-55
- IG-541

WATERMIST



Low Pressure & High Pressure Systems

- Pump Skids
- Deluge Valves
- Strainers
- Sprinklers
- Nozzles

- Selector Sets
- Manifolds
- Butterfly Valves
- Flow Test
- Flow Meter
- Air Pressure Maintenance Device

- Accessories

DETECTION



Control Panels

- Addressable
- Conventional
- Extinguishing
- Mimic

Detectors

- Smoke
- Heat
- Flame
- Infra Red
- Beam

Manual Call Points **Strobes**
Sounders **Bells**
Interface Modules
I.S. / Explosion Proof Devices
Marine Application Field
Devices

VIKING ASIA NETWORK

Viking relies on a vast network of regional offices, distributors and resellers across Asia to effectively serve the market. Contact the Viking Office nearest to you and we shall connect you with a distributor nearest your location.



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Trusted above all.