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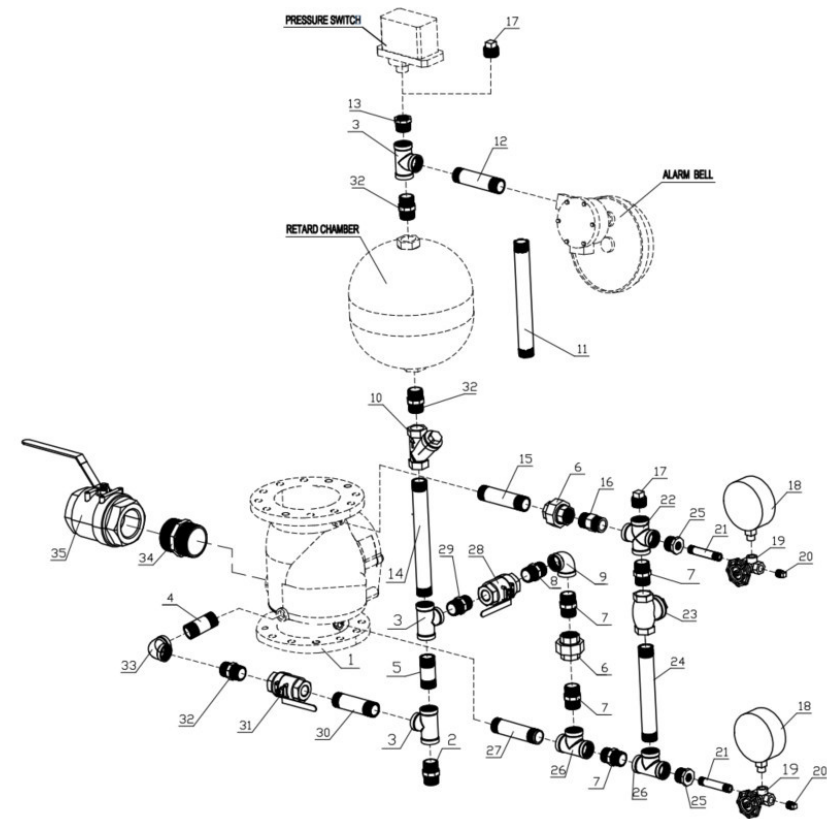


Wet System Valves | Alarm Check Valves | FAV-1



SPECIFICATIONS	
Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300psi / 20.7bar
Temperature Range	4°C to 70°C (39°F to 158°F)
Connection (Model)	Flange x Flange (FAV-1-FF) Flange x Groove (FAV-1-FG) Groove x Groove (FAV-1-GG)
Flange Standards	ANSI 125 / 150, PN16, GB/T9113.1
Groove Standard	AWWA C606, ISO 6182-12
Valve Body	Ductile Iron
Finish	Epoxy Powder Coated (Interior & Exterior)
Approvals	UL, FM

Product Parts, Materials & Standard



4" Assembly used in illustration

No	Description	Material	Qty
1	Alarm Valve	-	1
2	Orifice, Retard	C954	1
3	Tee	SS304	3
4	Pipe	Galvanised	1
5	Pipe	Galvanised	1
6	Union	SS304	2
7	Nipple	SS304	4
8	Nipple	SS304	1
9	Elbow	SS304	1
10	Y Strainer	SS304	2
11	Pipe*	Galvanised	1
12	Pipe	Galvanised	1
13	Nipple	SS304	1
14	Pipe	Galvanised	1
15	Pipe	Galvanised	1
16	Orifice, Retard	C954	1
17	Plug	C954	2
18	Pressure Gauge	-	2
19	3-Way Valve Gauge	C954	2
20	Plug	SS304	2
21	Pipe	Galvanised	2
22	Cross	SS304	1
23	Check Valve	SS304	1
24	Pipe	Galvanised	1
25	Nipple	SS304	2
26	Tee	SS304	2
27	Pipe	Galvanised	1
28	Ball Valve	SS304	1
29	Nipple	SS304	1
30	Pipe	Galvanised	1
31	Ball Valve	SS304	1
32	Nipple	SS304	3
33	Elbow	SS304	1
34	Nipple	SS304	1
35	Ball Valve	SS304	1

*Retard Chamber not in use

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Wet System Valves | Alarm Check Valves | FAV-1

Part Numbers

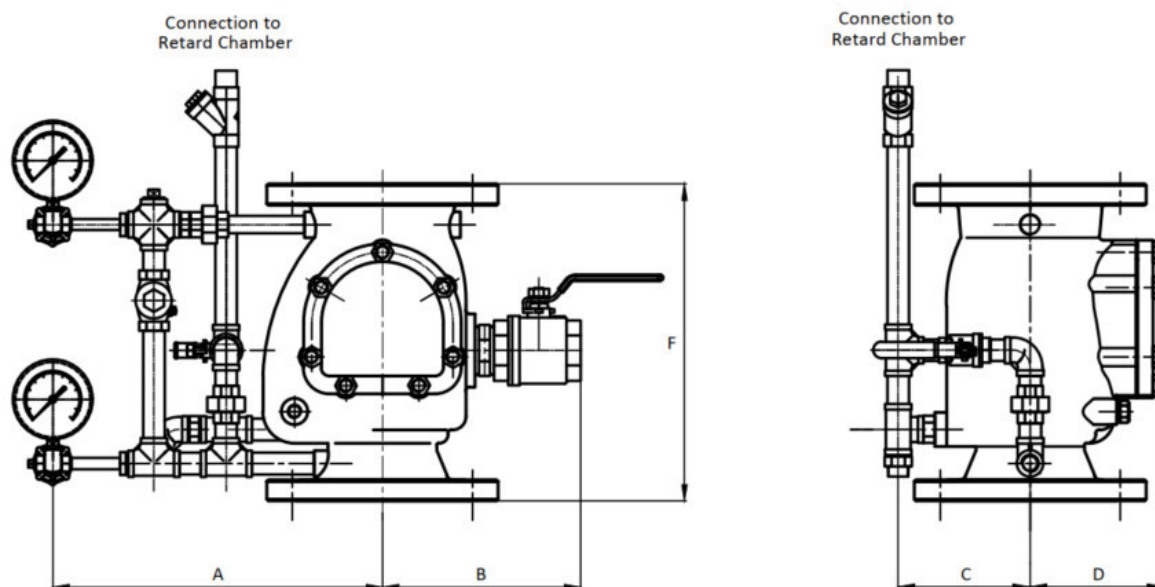
Size		Part Numbers						
DN	Inch	Flange x Flange *(ANSI 125/150)	Flange x Flange **(PN16)	Groove x Groove	***Trim	Retard Chamber	Pressure Switch	Water Gong
DN50	2"	FAV50FF	FAV50FFPN16	FAV050GG-060	FTRIM050	FRC	PSW-A	WMA-F
DN65	2½"	FAV65FF	FAV65FFPN16	FAV050GG-073	FTRIM080			
DN65	2½"			FAV065GG-076				
DN80	3"	FAV80FF	FAV80FFPN16	FAV080GG-089	FTRIM100			
DN100	4"	FAV100FF	FAV100FFPN16	FAV100GG-114				
DN125	5"	FAV125FF	FAV125FFPN16	FAV125GG-139	FTRIM150			
DN150	6"	FAV150FF		FAV150GG-165				
DN150	6"			FAV150GG-168				
DN200	8"	FAV200FF	FAV200FFPN16	FAV200GG-219	FTRIM200	FRC-1		
DN250	10"	FAV250FF	FAV250FFPN16	FAV250GG-273	FTRIM250			
DN300	12"	FAV300FF	FAV300FFPN16	FAV300GG-324	FTRIM300			

* Drilled to ANSI 125/ 150 Specifications

*** Includes 2 x Viking Pressure Gauges (VWATERSF)

** Drilled to PN16

Dimensions



Size		Dimensions (mm)					
DN	Inch	F		A	B	C	D
		Flange x Flange*	Groove x Groove				
DN50	2"	233	245	340	205	145	110
DN65	2½"	236	245	340	205	145	110
DN80	3"	245	245	340	205	145	110
DN100	4"	316	316	342	250	160	136
DN150	6"	390	390	349	274	180	162
DN200	8"	438	438	415	290	205	195
DN250	10"	535	535	475	340	240	235
DN300	12"	622	622	495	368	270	270

*ANSI 125/150 & PN16

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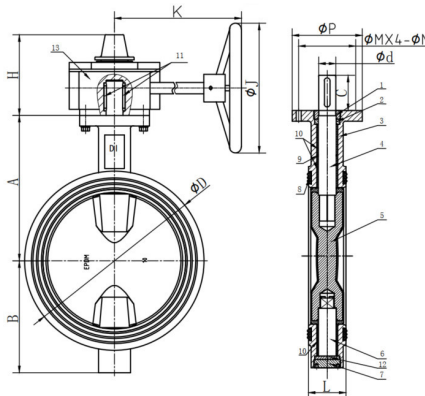


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300psi / 21bar
Test Pressure	600psi / 42bar (maximum)
Operation	Gear Operated
Finish	Epoxy Powder Coated
Application	Indoor and outdoor
IP Rating	IP65
Contact Rating	250VA 3A, 24VDC 2A
Supervisory Switches	1 Supervisory Switch (Internal) 1 Auxiliary Switch (Internal)
Approvals	UL (2" to 12"), FM (2½" to 8")

Product Parts, Materials & Standard

Description	Material	Specification
Upper Shaft Sealing Nut	WCB	ASTM A216
Shaft Seal	EPDM	ASTM D2000
Body	DI	ASTM A536
Upper Shaft	SS416	ASTM A582
Disc	DI + EPDM	ASTM D2000
Lower Shaft	SS416	ASTM A582
Lower Shaft Sealing Nut	WCB	ASTM A216
End face Seal	EPDM	ASTM D2000
Stem Bushing	PTFE/C954	PTFE/C954
Signal Gearbox	DI	ASTM A536



Carried Standard	
Design Standard	API609
Face to Face Standard	ASME B16.10
Top Flange Standard	ISO 5211
Test Standard	FM 1112 / UL1091

Product Data & Part Numbers

Size		Part Number	A	B	C	D	H	K		J	P	M	N	d	L
DN	Inch														
DN50	2"	BVW-4-050	110	85	32	100	111	153	218	152	90	70	9	10	42.0
DN65	2½"	BVW-4-065	125	95	32	112	111	153	218	152	90	70	9	10	44.2
DN80	3"	BVW-4-080	140	100	32	120	111	153	218	152	90	70	9	11	45.3
DN100	4"	BVW-4-100	160	100	32	161	111	153	218	152	90	70	9	14	52.0
DN125	5"	BVW-4-125	170	125	32	182	111	153	218	152	90	70	9	14	54.4
DN150	6"	BVW-4-150	190	140	32	216	111	153	218	200	90	70	9	16	55.8
DN200	8"	BVW-4-200	230	175	32	260	126	210	232	300	125	102	12	19	60.5
DN250	10"	BVW-4-250	260	200	45	320	126	210	232	300	125	102	12	24	66.5
DN300	12"	BVW-4-300	300	240	45	375	161	249	249	300	150	125	14	26	76.9

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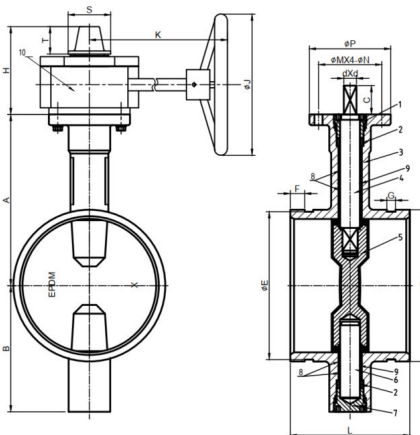


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300psi / 21bar
Test Pressure	600psi / 42bar (maximum)
Operation	Gear Operated
Finish	Epoxy Powder Coated
Application	Indoor and outdoor
IP Rating	IP65
Contact Rating	250VA 3A, 24VDC 2A
Supervisory Switches	1 Supervisory Switch (Internal) 1 Auxiliary Switch (Internal)
Approvals	UL (2" to 12"), FM (2½" to 8")

Product Parts, Materials & Standard

Description	Material	Specification
Upper Shaft Sealing Nut	WCB	ASTM A216
Shaft Seal	EPDM	ASTM D2000
Body	DI	ASTM A536
Upper Shaft	SS416	ASTM A582
Disc	DI + EPDM	ASTM D2000
Lower Shaft	SS416	ASTM A582
Lower Shaft Sealing Nut	WCB	ASTM A216
End face Seal	EPDM	ASTM D2000
Stem Bushing	PTFE/C954	PTFE/C954
Signal Gearbox	DI	ASTM A536



Carried Standard

Design Standard	API609
Face to Face Standard	ASME B16.10
Top Flange Standard	ISO 5211
Test Standard	FM 1112 / UL1091

Product Data & Part Numbers

Size		Part Number	A	B	C	D	E	F	G	H	K		J	P	M	N	d	L
DN	Inch																	
DN50	2"	BVG-7-060	110	85	32	60.3	57.2	15.9	7.9	111	218	153	152	90	70	9	10	88
DN65	2½"	BVG-7-073	125	95	32	73.0	69.1	15.9	7.9	111	218	153	152	90	70	9	10	96.4
		BVG-7-076				76.1	72.3											
DN80	3"	BVG-7-089	140	100	32	88.9	84.9	15.9	7.9	111	218	153	152	90	70	9	11	97
DN100	4"	BVG-7-114	160	100	32	114.3	110.1	15.9	9.5	111	218	153	152	90	70	9	14	115.1
DN125	5"	BVG-7-139	170	125	32	139.7	135.5	15.9	9.5	111	218	153	152	90	70	9	14	132.4
		BVG-7-141				141.3	137.0											
DN150	6"	BVG-7-165	190	140	32	165.1	160.9	15.9	9.5	111	218	153	200	90	70	9	16	132.4
		BVG-7-168				168.3	164.0											
DN200	8"	BVG-7-216	230	175	32	216.3	211.6	19	11.1	126	232	210	300	90	102	12	19	147.4
		BVG-7-219				219.1	214.4											
DN250	10"	BVG-7-267	260	200	45	267.4	262.6	19	12.7	126	232	210	300	125	102	12	24	159
		BVG-7-273				273.0	268.3											
DN350	12"	BVG-7-319	300	240	45	318.5	312.9	19	12.7	161	249	249	350	150	125	14	26	165
		BVG-7-324				323.8	318.3											

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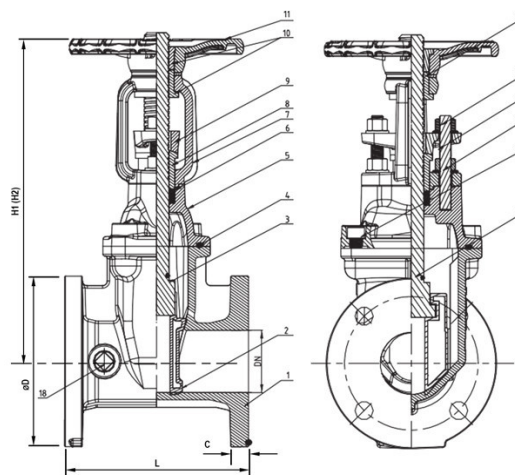


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300, 14"/DN350, 16"/DN400, 18"/DN450, 20"/DN500, 24"/DN600
Working Pressure	300 psi / 21bar (2"-12") 250 psi / 17 bar (14"-24")
Seat type	Resilient wedge
Finish	Fusion bonded epoxy coated internal & external
Material (body)	Ductile iron
Connections	Grooved metric or AWWA C606 standard
Specifications	Design and dimensions conform to AWWA C515
Features	Pre-notched, stainless-steel stem for easy attachment of supervisory switch
Approvals	UL & FM (5" UL only) 14"-24" : UL & FM as OSF2 (ANSI Flange) & OSF3 (PN16 Flange)

Product Parts, Materials & Standard

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536, 65-45-12
2	Resilient Wedge Disc	Ductile Iron	ASTM A536, 65-45-12 & EPDM
3	Stem	Stainless Steel	AISI 420
4	Bonnet Gasket	EPDM	Commercial
5	Bonnet	Ductile Iron	ASTM A536, 65-45-12
6	Stem Packing	EPDM	Commercial
7	Yoke	Ductile Iron	ASTM A536, 65-45-12
8	Stem Bushing	Brass	HPb59-1
9	Gland	Ductile Iron	ASTM A536, 65-45-12
10	Stem Nut	Brass	HPb59-1
11	Handwheel	Ductile Iron	ASTM A536, 65-45-12
12	Washer	Brass	CW617N
13	Gland Nut	Carbon Steel	Zinc Plated
14	Stud	Carbon Steel	Zinc Plated
15	Flat Washer	Carbon Steel	Zinc Plated
16	Bolt	Carbon Steel	Zinc Plated
17	O-Ring	NBR	Commercial
18	Plug	Bronze	ASTM B583 C89833



Product Data & Part Numbers

Part Number*			Nominal Pipe Size		Dimensions (mm)											Weight (kg)
ANSI	PN10	PN16	DN	Inch	L	H1 (Closed)	H2 (Open)	D	C	D1		n-ØL				
										ANSI	PN10	ANSI	PN16	PN10		
OSF-0200	OSF-0200PN		DN50	2"	178	348	400	152	16.0	120.7	125	4-Ø19.1			14.7	
OSF-0250	OSF-0250PN		DN65	2½"	190	373	440	178	17.5	139.7	145	4-Ø19.1			17.7	
OSF-0300	OSF-0300PN		DN80	3"	203	408	490	191	19.1	152.4	160	4-Ø19.1	8-Ø19.1		23.1	
OSF-0400	OSF-0400PN		DN100	4"	229	471	573	229	19.1	190.5	180	8-Ø19.1	8-Ø19.1		31.6	
OSF-0500**	OSF-0500PN**		DN125	5"	254	541	665	254	19.1	215.9	210	8-Ø22.2	8-Ø19.1		42.2	
	OSF-0600		DN150	6"	267	601	755	279	19.1	241.3	240	8-Ø22.2	8-Ø23		53.2	
OSF-0800	OSF-0800PN10	OSF-0800PN16	DN200	8"	292	774	975	343	22.2	298.5	295	8-Ø22.2	12-Ø23	8-Ø23	91.3	
OSF-1000	OSF-1000PN10	OSF-1000PN16	DN250	10	330	939	1193	406	23.8	362.0	355	350	12-Ø25.4	12-Ø28	12-Ø23	134.6
OSF-1200	OSF-1200PN10	OSF-1200PN16	DN300	12"	356	1065	1370	483	25.0	431.8	410	400	12-Ø25.4	12-Ø28	12-Ø23	200.0
OSF-1400	-	OSF-1400PN16	DN350	14"	381	1210	1560	533	25.0	476	470	-	12-Ø28.6	16-Ø26	-	344.0
OSF-1600	-	OSF-1600PN16	DN400	16"	406	1280	1680	597	25.0	540	525	-	16-Ø28.7	16-Ø30	-	356.0
OSF-1800	-	OSF-1800PN16	DN450	18"	432	1760	2210	635	25.0	578	585	-	16-Ø31.8	20-Ø30	-	532.0
OSF-2000	-	OSF-2000PN16	DN500	20"	457	1780	2280	699	29.0	635	650	-	20-Ø31.8	20-Ø33	-	567.0
OSF-2400	-	OSF-2400PN16	DN600	24"	508	1950	2550	813	30.0	749	770	-	20-Ø34.9	20-Ø36	-	785.0

* Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types: ANSI = ANSI B16.1 Class 125 |

PN10 = DIN 2501, BS 4504, EN 1092 - PN10 | PN16 = DIN 2501, BS 4504, EN 1092 - PN16

** UL Listed only

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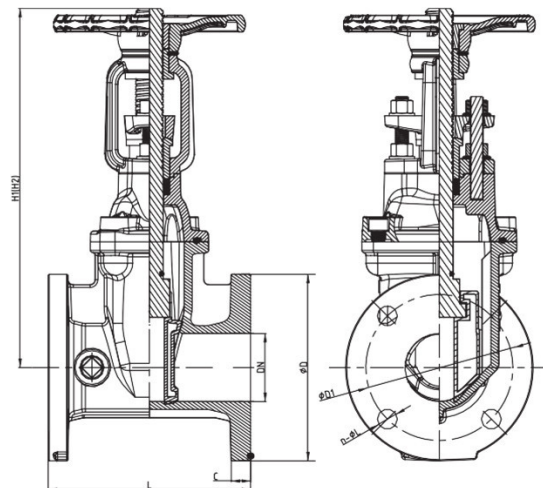


SPECIFICATIONS

Sizes	2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Working Temperature	-20°C to 100°C (-4°F to 230°F)
Seat type	Resilient wedge
Finish	Epoxy resin coated internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125 or EN1092-2 PN16
Specifications	Design and dimensions conform to AWWA C515
Approvals	UL, FM

Product Parts, Materials & Standard

Description	Material	Specification
Body	Ductile Iron	ASTM A536 65-45-12
Bonnet	Ductile Iron	ASTM A536 65-45-12
Grand	Ductile Iron	ASTM A536 65-45-12
Disc	Ductile Iron & EPDM	ASTM A536 65-45-12 & EPDM
Stem	SS304	ASTM A276
Nut	SS304	ASTM A276
Stud	SS304	ASTM A276
Flat Washer	SS304	ASTM A276
O-Ring	EPDM	ASTM D2000 EPDM
Sealing Ring	EPDM	ASTM D2000 EPDM
Sealing Gland	EPDM	ASTM D2000 EPDM
Retaining Ring	C95400	ASTM B148
Plug	C95400	ASTM B148



Product Data & Part Numbers

Size		Part Number*	Dimensions in mm						Weight (Kg)
DN	Inch		L	D	**C (ANSI)	**C (PN16)	n-d	H	
DN65	2½"	OSF1-0250	190	178	139.5	145	4-19	370	21.0
DN80	3"	OSF1-0300	203	191	152.5	160	4-19	420	27.4
DN100	4"	OSF1-0400	229	229	190.5	180	4-19	447	34.5
DN125	5"	OSF1-0500	254	254	216.0	210	8-19	547	59.2
DN150	6"	OSF1-0600	267	279	241.5	240	8-22	607	59.2
DN200	8"	OSF1-0800	292	343	298.5	295	8-22	754	96.2
DN250	10"	OSF1-1000	330	406	362.0	355	12-25	890	142.0
DN300	12"	OSF1-1200	356	483	432.0	410	12-25	1031	193.0

* Applies to ANSI 125 Flanges. Other flange models will be denoted by a suffix (e.g. OSF1-0300PN16)

** C – Bolt Circle Diameter

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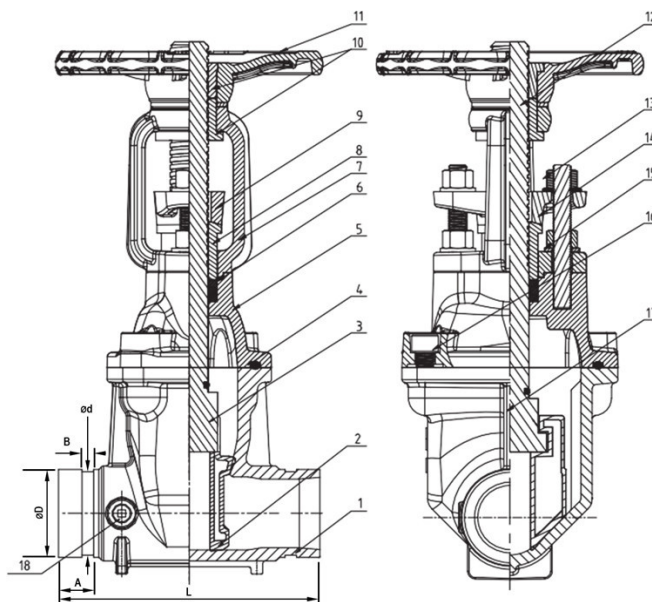


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Seat type	Resilient wedge
Finish	Fusion bonded epoxy coated internal & external
Material (body)	Ductile iron
Connections	Grooved metric or AWWA C606 standard
Specifications	Design and dimensions conform to AWWA C515
Features	Pre-notched, stainless-steel stem for easy attachment of supervisory switch
Approvals	UL & FM (5" UL Only)

Product Parts, Materials & Standard

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536, 65-45-12
2	Resilient Wedge Disc	Ductile Iron	ASTM A536, 65-45-12 & EPDM
3	Stem	Stainless Steel	AISI 420
4	Bonnet Gasket	EPDM	Commercial
5	Bonnet	Ductile Iron	ASTM A536, 65-45-12
6	Stem Packing	EPDM	Commercial
7	Yoke	Ductile Iron	ASTM A536, 65-45-12
8	Stem Bushing	Brass	HPb59-1
9	Gland	Ductile Iron	ASTM A536, 65-45-12
10	Stem Nut	Brass	HPb59-1
11	Handwheel	Ductile Iron	ASTM A536, 65-45-12
12	Washer	Brass	CW617N
13	Gland Nut	Carbon Steel	Zinc Plated
14	Stud	Carbon Steel	Zinc Plated
15	Flat Washer	Carbon Steel	Zinc Plated
16	Bolt	Carbon Steel	Zinc Plated
17	O-Ring	NBR	Commercial
18	Plug	Bronze	ASTM B583 C89833

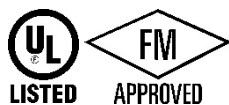


Product Data & Part Numbers

Part Number	Size		Pipe O.D. (mm)	Dimensions (mm)						Weight (Kg)
	DN	Inch		L	H1 (Closed)	H1 (Open)	d	A	B	
OSG-0200	DN50	2"	60.3	178	348	400	57.2	15.9	7.9	11.4
OSG-0250-073	DN65	2½"	73.0	190	373	440	69.1	15.9	7.9	12.5
OSG-0250-076			76.1				72.3			
OSG-0300	DN80	3"	88.9	203	408	490	84.9	15.9	7.9	16.9
OSG-0400	DN100	4"	114.3	229	471	573	110.1	15.9	9.5	24.2
OSG-0500-139*	DN125	5"	139.7	254	541	665	135.5	15.9	9.5	33.5
OSG-0500-141*			141.3				137.0			
OSG-0600-165	DN150	6"	165.1	267	601	755	160.9	15.9	9.5	41.3
OSG-0600-168			168.3				164.0			
OSG-0800	DN200	8"	219.1	292	774	975	214.4	19.1	11.1	73.7
OSG-1000	DN250	10"	273.0	330	939	1,193	268.3	19.1	12.7	124.3
OSG-1200	DN300	12"	323.9	356	1,065	1,370	318.3	19.1	12.7	174.5

* UL Listed only

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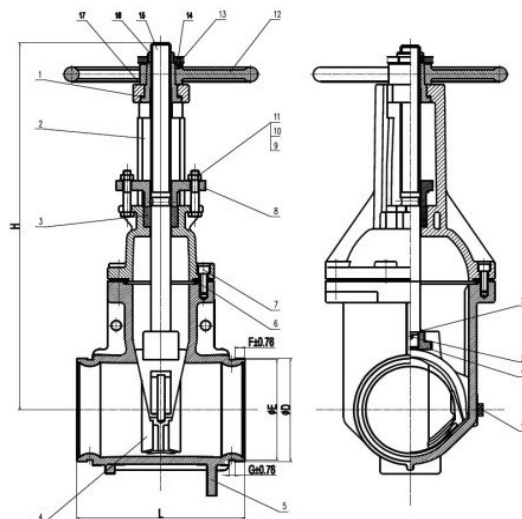


SPECIFICATIONS

Sizes	2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Working Temperature	-20°C to 100°C (-4°F to 230°F)
Seat type	Resilient wedge
Finish	Epoxy resin coated internal and external
Material (body)	Ductile iron
Connections	Standard metric groove or AWWA C606
Specifications	Design and dimensions conform to AWWA C515
Approvals	UL, FM

Product Parts, Materials & Standard

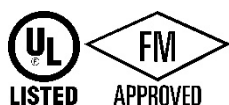
Description	Material	Specification
Body	Ductile Iron	ASTM A536 65-45-12
Bonnet	Ductile Iron	ASTM A536 65-45-12
Grand	Ductile Iron	ASTM A536 65-45-12
Disc	Ductile Iron & EPDM	ASTM A536 65-45-12 & EPDM
Stem	SS304	ASTM A276
Nut	SS304	ASTM A276
Stud	SS304	ASTM A276
Flat Washer	SS304	ASTM A276
O-Ring	EPDM	ASTM D2000 EPDM
Sealing Ring	EPDM	ASTM D2000 EPDM
Sealing Gland	EPDM	ASTM D2000 EPDM
Retaining Ring	C95400	ASTM B148
Plug	C95400	ASTM B148



Product Data & Part Numbers

Size			Part Number	Dimensions in mm						Weight (Kg)
DN	Inch	OD		L	F	D	E	G	H	
DN65	2½"	73.0	OSG1-0250-073	190	15.9	73	69.1	7.9	370	21.0
		76.1	OSG1-0250-076	190	15.9	76.1	72.3	7.9	370	21.0
DN80	3"	88.9	OSG1-0300-089	203	15.9	88.9	84.9	9.7	420	27.4
DN100	4"	114.3	OSG1-0400-114	229	15.9	114.3	110.1	9.5	447	34.5
DN125	5"	139.7	OSG1-0500-139	254	15.9	139.7	135.5	9.5	547	59.2
		141.3	OSG1-0500-141	254	15.9	141.3	137	9.5	547	59.2
DN150	6"	165.1	OSG1-0600-165	267	15.9	165.1	160.8	9.5	607	59.2
		168.3	OSG1-0600-168	267	15.9	168.3	163.9	9.5	607	59.2
DN200	8"	216.3	OSG1-0800-216	292	19	216.3	211.6	11.1	754	96.2
		219.1	OSG1-0800-219	292	19	219.1	214.3	11.1	754	96.2
DN250	10"	273.0	OSG1-1000-273	330	19	273	268.3	12.7	890	142.0
DN300	12"	323.9	OSG1-1200-323	356	19	323.9	318.3	12.7	1031	193.0

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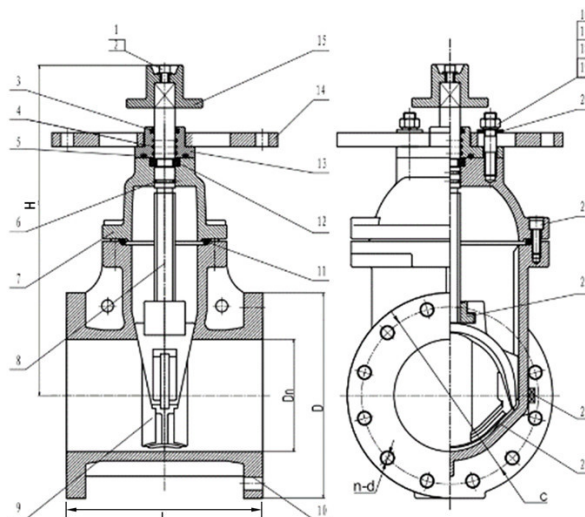


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Working Temperature	-20°C to 100°C (-4°F to 230°F)
Seat type	Resilient wedge
Finish	Epoxy resin coated internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125 or EN1092-2 PN16
Specifications	Design and dimensions conform to ANSI
Approvals	UL, C-UL, FM

Product Parts, Materials & Standard

No	Part	Material	Standard
1	Flat Washer	Steel1045 / SS304	ASTM A29 / ASTM A276
2	Hexagon Socket Screw	Steel1045 / SS304	ASTM A29 / ASTM A276
3	Sealing Ring	EPDM	ASTM D2000
4	O-ring	EPDM	ASTM D2000
5	Sealing Ring	EPDM	ASTM D2000
6	O-ring	EPDM	ASTM D2000
7	Bonnet	Ductile Iron	ASTM A536 Grade 65-45 12
8	Stem	Steel1045 / SS304	ASTM A29 / ASTM A276
9	Plug	Steel1045 / SS304	ASTM A29 / ASTM A276
10	Disc	Ductile Iron + EPDM	ASTM A536 Grade 65-45 12 & ASTM D2000
11	Body	Ductile Iron	ASTM A536 Grade 65-45 12
12	Sealing Ring	EPDM	ASTM D2000
13	Retaining Ring	C95400	ASTM B 148
14	Gland	Ductile Iron	ASTM A536 Grade 65-45 12
15	Post Flange	Ductile Iron	ASTM A536 Grade 65-45 12
16	Wrench nut	Ductile Iron	ASTM A536 Grade 65-45 12
17	Bolt	Steel1045 / SS304	ASTM A29 / ASTM A276
18	Washer	Steel1045 / SS304	ASTM A29 / ASTM A276
19	Hexagon Socket Screw	Steel1045 / SS304	ASTM A29 / ASTM A276
20	Stem Nut	CF8 / C95400	ASTM A351 / ASTM B 148



Product Data & Part Numbers

Size		Part Number	Dimensions			Weight (Kg)
DN	Inch		L	D	H	
DN50	2"	NRFL4-0200	178	152	265	20.2
DN65	2½"	NRFL4-0250	190	178	292	20.2
DN80	3"	NRFL4-0300	203	191	322	25.0
DN100	4"	NRFL4-0400	229	229	342	34.0
DN125	5"	NRFL4-0500	254	254	412	TBA
DN150	6"	NRFL4-0600	267	279	448	71.2
DN200	8"	NRFL4-0800	292	343	534	112.0
DN250	10"	NRFL4-1000	330	406	635	140.8
DN300	12"	NRFL4-1200	336	483	720	201.6

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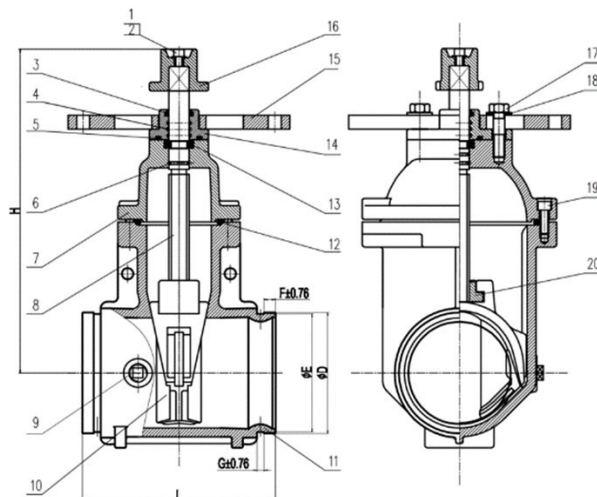


SPECIFICATIONS

Sizes	2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Working Temperature	-20°C to 100°C (-4°F to 230°F)
Seat type	Resilient wedge
Finish	Epoxy resin coated internal and external
Material (body)	Ductile iron
Connections	Standard metric groove or AWWA C606
Specifications	Design and dimensions conform to AWWA C515
Approvals	UL, C-UL, FM

Product Parts, Materials & Standard

No	Part	Material	Standard
1	Flat Washer	Steel1045 / SS304	ASTM A29 / ASTM A276
2	Hexagon Socket Screw	Steel1045 / SS304	ASTM A29 / ASTM A276
3	Sealing Ring	EPDM	ASTM D2000
4	O-ring	EPDM	ASTM D2000
5	Sealing Ring	EPDM	ASTM D2000
6	O-ring	EPDM	ASTM D2000
7	Bonnet	Ductile Iron	ASTM A536 Grade 65-45 12
8	Stem	Steel1045 / SS304	ASTM A29 / ASTM A276
9	Plug	Steel1045 / SS304	ASTM A29 / ASTM A276
10	Disc	Ductile Iron + EPDM	ASTM A536 Grade 65-45 12 & ASTM D2000
11	Body	Ductile Iron	ASTM A536 Grade 65-45 12
12	Sealing Ring	EPDM	ASTM D2000
13	Retaining Ring	C95400	ASTM B 148
14	Gland	Ductile Iron	ASTM A536 Grade 65-45 12
15	Post Flange	Ductile Iron	ASTM A536 Grade 65-45 12
16	Wrench nut	Ductile Iron	ASTM A536 Grade 65-45 12
17	Bolt	Steel1045 / SS304	ASTM A29 / ASTM A276
18	Washer	Steel1045 / SS304	ASTM A29 / ASTM A276
19	Hexagon Socket Screw	Steel1045 / SS304	ASTM A29 / ASTM A276
20	Stem Nut	CF8 / C95400	ASTM A351 / ASTM B 148



Product Data & Part Numbers

Size			Part Number	Dimensions in mm						Weight (Kg)
DN	Inch	OD		L	F	D	E	G	H	
DN65	2½"	73	NRGL4-250-073	190	15.9	73	69.1	7.9	292	20.2
		76.1	NRGL4-250-076			76.1	72.3			
DN80	3"	88.9	NRGL4-300-089	203	15.9	88.9	84.9	7.9	322	25
DN100	4"	114.3	NRGL4-400-114	229	15.9	114.3	110.1	9.5	342	34
DN125	5"	139.7	NRGL4-500-139	254	15.9	139.7	135.5	9.5	412	TBA
		141.3	NRGL4-500-141			141.3	137			
DN150	6"	165.1	NRGL4-600-165	267	15.9	165.1	160.8	9.5	448	71.2
		168.3	NRGL4-600-168			168.3	163.9			
DN200	8"	216.3	NRGL4-800-216	292	15.9	216.3	211.6	11.1	534	112
		219.1	NRGL4-800-219			219.1	214.3			
DN250	10"	273	NRGL4-1000-273	330	15.9	273	268.3	12.7	635	140.8
DN300	12"	323.9	NRGL4-1200-323	356	15.9	323.9	318.3	12.7	720	201.6

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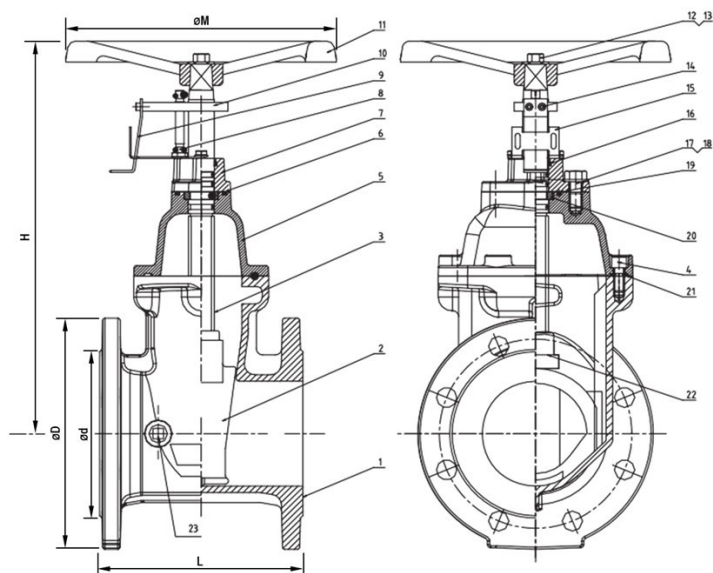


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300, 14"/DN350
Working Pressure	232 psi / 16bar
Working Temperature	0°C to 70°C (32°F to 158°F)
Seat type	Resilient wedge, EPDM encapsulated
Finish	Fusion bonded epoxy coated internal & external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to EN1092-2 PN16, ASME B16.1 CL125 or EN1092-2 PN10
Specifications	Design in accordance with BS 5163; Face to face dimension in accordance with EN 558-1, basic series 3
Supervision	Integral bracket allows monitoring of valve in open position using supervisory switch, P/N 828482. For monitoring closed position part number NRF-SB is required
Approvals	WRAS

Product Parts, Materials & Standard

Item	Description	Material	Specification
1	Valve body	Ductile iron	EN-GJS-450-10
2	Resilient wedge disc	Ductile iron	EN-GJS-450-10 & EPDM
3	Stem	Stainless steel	SS420
4	Bolt	Carbon steel	Zinc plated
5	Bonnet	Ductile iron	EN-GJS-450-10
6	O-ring	Nbr	Commercial
7	Gland	Ductile iron	EN-GJS-450-10
8	Position fixing spindle	Stainless steel	SS316
9	Limit plate	Stainless steel	SS316
10	Position fixing plate	Stainless steel	SS316
11	Handwheel	Ductile iron	EN-GJS-450-10
12	Bolt	Carbon steel	Zinc plated
13	Flat washer	Carbon steel	Zinc plated
14	Bolt	Carbon steel	Zinc plated
15	Fixed plate	Stainless steel	SS316
16	Ringwiper	Epdm	Commercial
17	Bolt	Carbon steel	Zinc plated
18	Flat washer	Carbon steel	Zinc plated
19	O-ring	Epdm	Commercial
20	Thrust washer	Brass	HPb59-1
21	Bonnet gasket	Epdm	Commercial
22	Wedge nut	Brass	HPb59-1
23	1/2" Plug	bronze	ASTM B584C83600
24	Switch bracket for NRF5 Valve - Part Number: NRF-SB		



Product Data & Part Numbers

Part Numbers			Nominal Pipe Size		PN	Dimensions mm								Weight (kg)
ANSI	PN10	PN16	DN	Inch		L	H	D	ØD1	Ød	C	T	n-d	
NRF5-0200W	NRF5-0200PNW		DN50	2"	10/16	178	282	165	125	99	19	3	4-Ø19	10.6
NRF5-0250W	NRF5-0250PNW		DN65	2½"	10/16	190	290	185	145	118	19	3	4-Ø19	12.6
NRF5-0300W	NRF5-0300PNW		DN80	3"	10/16	203	331	200	160	132	19	3	8-Ø19	16.7
NRF5-0400W	NRF5-0400PNW		DN100	4"	10/16	229	366	220	180	156	19	3	8-Ø19	21.3
NRF5-0500W	NRF5-0500PNW		DN125	5"	10/16	254	437	250	210	184	19	3	8-Ø19	38.4
NRF5-0600W			DN150	6"	10/16	267	490	285	240	211	19	3	8-Ø23	42.5
NRF5-0800W	NRF5-0800PN10W	NRF5-0800PN16W	DN200	8"	10	292	560	340	295	266	20	3	8-Ø23	62.6
					16								12-Ø23	
NRF5-1000W	NRF5-1000PN10W	NRF5-1000PN16W	DN250	10"	10	330	706	405	350	319	22	3	12-Ø23	117.1
					16				355				12-Ø28	
NRF5-1200W	NRF5-1200PN10W	NRF5-1200PN16W	DN300	12"	10	356	802	460	400	370	24.5	4	12-Ø23	164.9
					16				410				12-Ø28	
NRF5-1400W	NRF5-1400PN10W	NRF5-1400PN16W	DN350*	14"	10	381	1005	520	460	429	26.5	4	16-Ø23	316.1
					16				470				16-Ø28	

Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types :

ANSI = ANSI B16.1 Class 125

PN10 = DIN 2501, BS 4504, EN 1092 - PN10

PN16 = DIN 2501, BS 4504, EN 1092 - PN16

* 14"/DN350 is not WRAS approved

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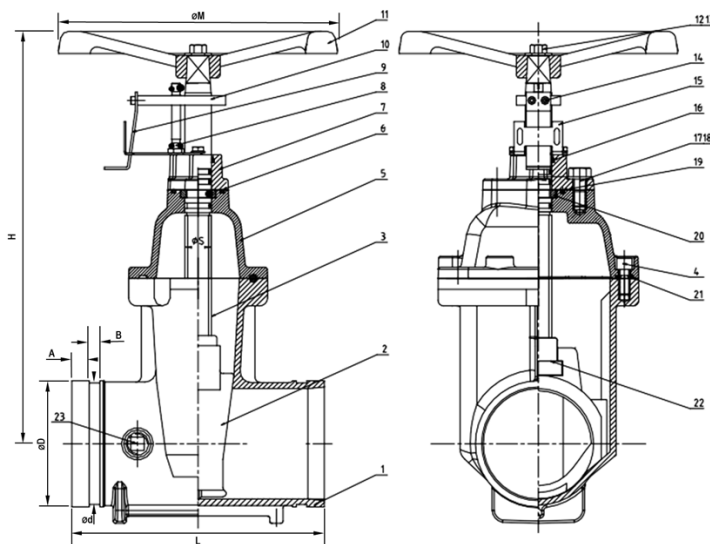


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	232 psi / 16bar
Working Temperature	0°C to 70°C (32°F to 158°F)
Seat type	Resilient wedge, EPDM encapsulated
Finish	Fusion bonded epoxy coated internal & external
Material (body)	Ductile iron
Connections	Groove to AWWA C606 standard
Specifications	Design in accordance with BS 5163; Face to face dimension in accordance with EN 558-1, basic series 3
Supervision	Integral bracket allows monitoring of valve in open position using supervisory switch, P/N 828482. For monitoring closed position part number NRF-SB is required

Product Parts, Materials & Standard

Item	Description	Material	Specification
1	Valvebody	Ductile iron	EN-GJS-450-10
2	Resilient wedge disc	Ductile iron	EN-GJS-450-10 & EPDM
3	Stem	Stainless steel	SS420
4	Bolt	Carbon steel	Zinc plated
5	Bonnet	Ductile iron	EN-GJS-450-10
6	O-ring	Nbr	Commercial
7	Gland	Ductile iron	EN-GJS-450-10
8	Position fixing spindle	Stainless steel	SS316
9	Limit plate	Stainless steel	SS316
10	Position fixing plate	Stainless steel	SS316
11	Handwheel	Ductile iron	EN-GJS-450-10
12	Bolt	Carbon steel	Zinc plated
13	Flat washer	Carbon steel	Zinc plated
14	Bolt	Carbon steel	Zinc plated
15	Fixed plate	Stainless steel	SS316
16	Ringwiper	Epdm	Commercial
17	Bolt	Carbon steel	Zinc plated
18	Flat washer	Carbon steel	Zinc plated
19	O-ring	Epdm	Commercial
20	Thrust washer	Brass	HPb59-1
21	Bonnet gasket	Epdm	Commercial
22	Wedge nut	Brass	HPb59-1
23	1/2" Plug	bronze	ASTM B584C83600
24	Switch bracket for NRG5 Valve - Part Number: NRF-SB		



Product Data & Part Numbers

Part Numbers			Size		PN											Weight (kg)
ANSI	PN10	PN16	DN	Inch	Flange	L	H	D	ØD1	Ød	C	T	n-d			
NRG5-0200W	NRG5-0200PNW		DN50	2"	10/16	178	282	165	125	99	19	3	4-Ø19	10.6		
NRG5-0250W	NRG5-0250PNW		DN65	2½"	10/16	190	290	185	145	118	19	3	4-Ø19	12.6		
NRG5-0300W	NRG5-0300PNW		DN80	3"	10/16	203	331	200	160	132	19	3	8-Ø19	16.7		
NRG5-0400W	NRG5-0400PNW		DN100	4"	10/16	229	366	220	180	156	19	3	8-Ø19	21.3		
NRG5-0500W	NRG5-0500PNW		DN125	5"	10/16	254	437	250	210	184	19	3	8-Ø19	38.4		
	NRG5-0600W		DN150	6"	10/16	267	490	285	240	211	19	3	8-Ø23	42.5		
NRG5-0800W	NRG5-0800PN10W	NRG5-0800PN16W	DN200	8"	10								8-Ø23			
					16	292	560	340	295	266	20	3	12-Ø23	62.6		
NRG5-1000W	NRG5-1000PN10W	NRG5-1000PN16W	DN250	10"	10								12-Ø23			
					16	330	706	405	350	319	22	3	12-Ø28	117.1		
NRG5-1200W	NRG5-1200PN10W	NRG5-1200PN16W	DN300	12"	10								12-Ø23			
					16	356	802	460	400	370	24.5	4	12-Ø28	164.9		
NRG5-1400W	NRG5-1400PN10W	NRG5-1400PN16W	DN350*	14"	10								16-Ø23			
					16	381	1005	520	460	429	26.5	4	16-Ø28	316.1		

Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types :

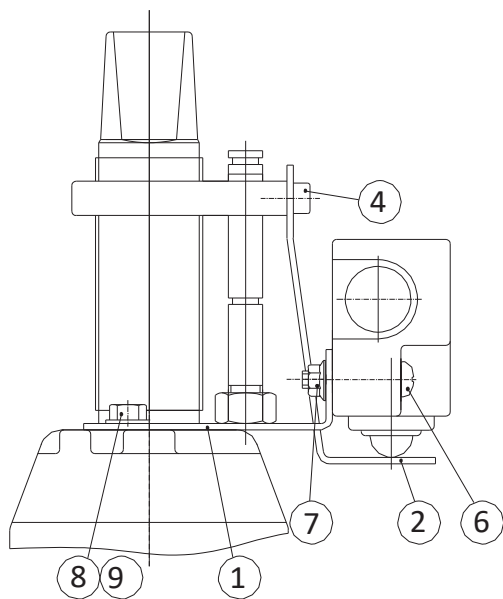
ANSI = ANSI B16.1 Class 125

PN10 = DIN 2501, BS 4504, EN 1092 - PN10

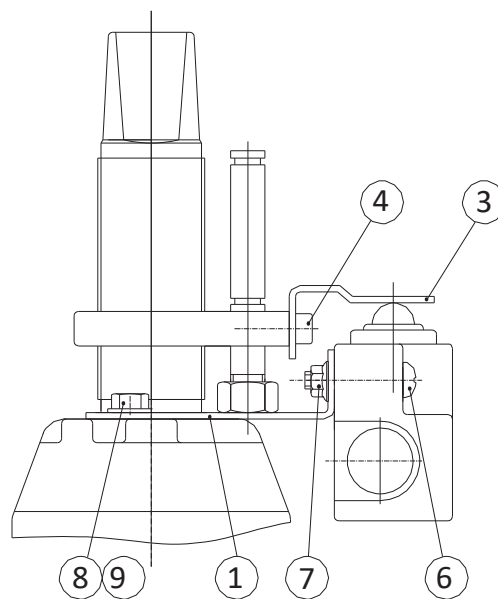
PN16 = DIN 2501, BS 4504, EN 1092 - PN16

* 14"/DN350 is not WRAS approved

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Normally Open Bracket Kit*



Normally Closed Bracket Kit

Part Number & Contents

Valve Size	Part Number
DN50 to DN300	NRF-SB

Each kit contains:

- 2 x Limit Plates (1 x DN50-DN100 + 1 x DN125-DN350) (Item 2)
- 2 x Bolts M4 x 30 (Item 6)
- 2 x Serrated Flange Nuts M4 (Item 7) 1 x Datasheet

Product Compatibility

For use on the following NRS gate valves:

- NRF5
- NRG5
- NRF11
- NRG11

Product Parts, Materials & Standards

Item	Description		Material	Quantity
1*	Fixed plate		SS316	1
2*	Limit Plate (normally open gate valve)		SS316	1
3	Limit Plate (normally closed gate valve)		SS316	1
4*	Socket Head Cap Bolt M4 x 10		SS304	2
6	Bolt M4 x 30 (ISO 7045)		SS304	2
7	Serrated Flange Nut M4 (ISO 4161)		SS304	2
8*	Hexagon Bolt	2"-6" Valve: M6 x 10	SS304	2
		8"-12" Valve : M8 x 10	SS304	2
9*	Washer	2"-6" Valve: Ø6	SS304	2
		8"-12" Valve: Ø8	SS304	2

* Bracket supplied with valve (excludes the 2 switch attaching bolts)

Notes

1. When the bracket kit for a normally open gate valve is used, the switch will signal when the valve starts to be closed. This is supplied as standard with the NRF5, NRF11 & NRG11 gate valves.
2. When the bracket kit for a normally closed gate valve is used, the switch will signal when the valve starts to be opened.
3. Brackets are intended to be used with the NRF5 (DN50-DN350), NRF11 & NRG11 (DN50-DN300) gate valves; please refer to separate datasheet for information regarding the valves.
4. The brackets are intended to mount the supervisory switch 828482 or 790400, please refer to separate datasheet for further information.

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Post plate flange supplied only for 4" to 12" sizes



Product Parts, Materials & Standards

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536 64-45-12
2	Resilient Wedge Disc	Ductile Iron	ASTM A536 64-45-12 & EPDM
3	Stem	Stainless Steel	AISI 431
4	Bonnet Gasket	EPDM	Commercial
5	Bonnet	Ductile Iron	ASTM A536 64-45-12
6	O-Ring	NBR	Commercial
7	Gland	Ductile Iron	ASTM A536 64-45-12
8	Post Flange	Ductile Iron	ASTM A536 64-45-12
9	Square Operating Nut	Ductile Iron	ASTM A536 64-45-12
10	Bolt	Carbon Steel	Zinc Plated
11	Flat Washer	Carbon Steel	Zinc Plated
12	Bolt	Carbon Steel	Zinc Plated
13	Flat Washer	Carbon Steel	Zinc Plated
14	Ring Wiper	EPDM	Commercial
15	O-Ring	NBR	Commercial
16	Axis Guide	Brass	Hpb59-1
17	Washer	Brass	Hpb59-1
18	O-Ring	NBR	Commercial
19	Bolt	Carbon Steel	Zinc Plated
20	Wedge Nut	Brass	Hpb59-1
21	Plug	Bronze	ASTM B584 C89833

Product Data & Part Numbers

Part Number ⁴			Nominal Pipe Size		Dimensions (mm)										Weight (kg)	
ANSI	PN10	PN16	DN	Inch	L	H	D	C	D1			n-ØL				
									ANSI	PN16	PN10	ANSI	PN16	PN10		
PIF-0200	PIF-0200PN		DN50	2" ^{1,3}	178	278	152	16.0	120.7	125			4-Ø19.1			12.9
PIF-0250	PIF-0250PN		DN65	2½" ³	190	300	178	17.5	139.7	145			4-Ø19.1			15.9
PIF-0300	PIF-0300PN		DN80	3" ³	203	321	191	19.1	152.4	160			4-Ø19.1	8-Ø19.1		20.9
PIF-0400	PIF-0400PN		DN100	4" ²	229	395	229	19.1	190.5	180			8-Ø19.1	8-Ø19.1		35.7
PIF-0500	PIF-0500PN		DN125	5" ²	254	432	254	19.1	215.9	210			8-Ø22.2	8-Ø19.1		44.6
PIF-0600			DN150	6"	267	475	279	19.1	241.3	240			8-Ø22.2	8-Ø23		54.2
PIF-0800	PIF-0800PN10	PIF-0800PN16	DN200	8"	292	585	343	22.2	298.5	295			8-Ø22.2	12-Ø23	8-Ø23	86.1
PIF-1000	PIF-1000PN10	PIF-1000PN16	DN250	10"	330	656	406	23.8	362.0	355	350	12-Ø25.4	12-Ø28	12-Ø23	117.2	
PIF-1200	PIF-1200PN10	PIF-1200PN16	DN300	12"	356	751	483	25.4	431.8	410	400	12-Ø25.4	12-Ø28	12-Ø23	180.0	
PIF-1400	-	PIF-1400PN16	DN350	14" ^{2,3}	381	917	533	25	476.3	470	-	12-Ø28.6	16-Ø28	-	312.8	
PIF-1600	-	PIF-1600PN16	DN400	16" ^{2,3}	406	917	597	25	539.8	525	-	16-Ø28.6	16-Ø31	-	325.6	
PIF-1800	-	PIF-1800PN16	DN450	18" ^{2,3}	432	1108	635	25	577.9	585	-	16-Ø38.1	20-Ø31	-	456.5	
PIF-2000	-	PIF-2000PN16	DN500	20" ^{2,3}	457	1130	699	29	635.0	650	-	20-Ø38.1	20-Ø34	-	492.2	
PIF-2400	-	PIF-2400PN16	DN600	24" ^{2,3}	508	1311	813	30	749.3	770	-	20-Ø34.9	20-Ø37	-	706.0	

¹FM Approved only ²UL Listed only ³No post plate-flange supplied, UL listed as PIF3 (ANSI) or PIF4 (BS)

⁴Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types:

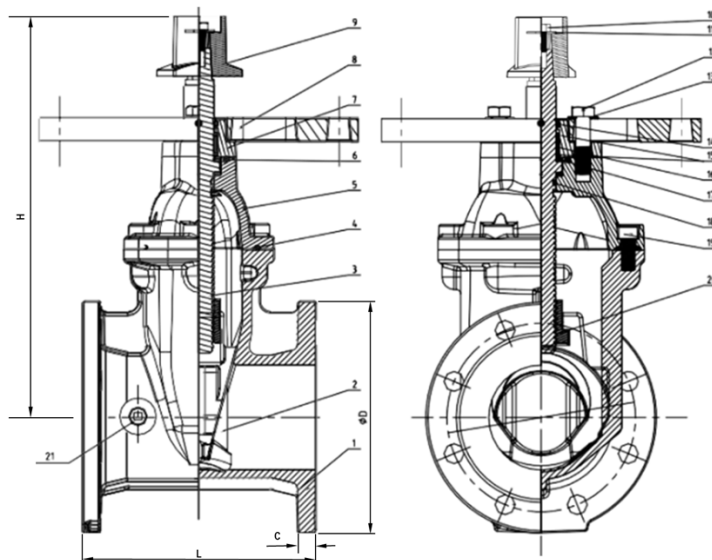
ANSI = ANSI B16.1 Class 125

PN10 = DIN 2501, BS 4504, EN 1092 - PN10

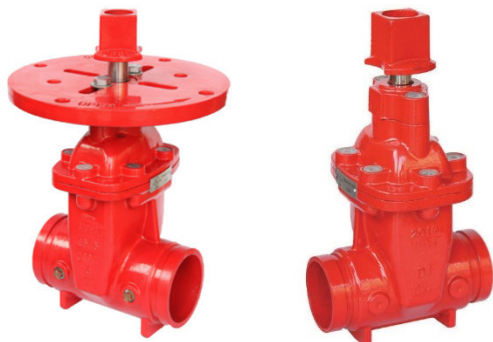
PN16 = DIN 2501, BS 4504, EN 1092 - PN16

SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300, 14"/DN350, 16"/DN400, 18"/DN450, 20"/DN500, 24"/DN600
Working Pressure	250psi / 17bar (2") 300 psi / 21bar (4" to 12") 250 psi / 17bar (14" to 24" : ANSI-PIF3) 232 psi / 16bar (14" to 24" : BS-PIF4)
Seat type	Resilient wedge
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125, EN1092-2 PN10 or EN1092-2 PN16
Specifications	Design and dimensions conform to AWWA C515
Compatibility	IPV or IPW models only
Approvals	UL, C-UL, FM, 2" : FM Only, 5" : UL Listed only



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Post plate flange supplied only for 4" to 12" sizes

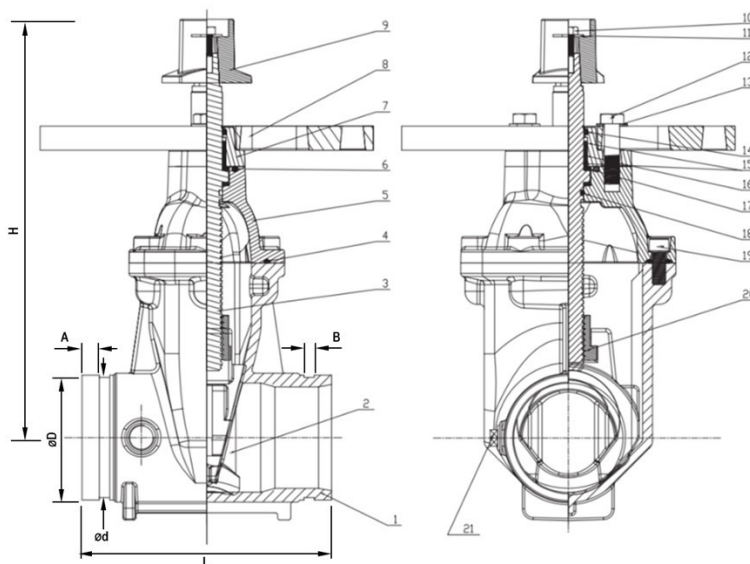


SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Seat type	Resilient wedge
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Grooved metric or AWWA C606 standard
Specifications	Design and dimensions conform to AWWA C515
Compatibility	IPV or IPW models only
Approvals	UL, FM, 2" : FM Approved Only, 5" : UL Listed only

Product Parts, Materials & Standards

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536 64-45-12
2	Resilient Wedge Disc	Ductile Iron	ASTM A536 64-45-12 & EPDM
3	Stem	Stainless Steel	AISI 431
4	Bonnet Gasket	EPDM	Commercial
5	Bonnet	Ductile Iron	ASTM A536 64-45-12
6	O-Ring	NBR	Commercial
7	Gland	Ductile Iron	ASTM A536 64-45-12
8	Post Flange	Ductile Iron	ASTM A536 64-45-12
9	Square Operating Nut	Ductile Iron	ASTM A536 64-45-12
10	Bolt	Carbon Steel	Zinc Plated
11	Flat Washer	Carbon Steel	Zinc Plated
12	Bolt	Carbon Steel	Zinc Plated
13	Flat Washer	Carbon Steel	Zinc Plated
14	Ring Wiper	EPDM	Commercial
15	O-Ring	NBR	Commercial
16	Axis Guide	Brass	Hpb59-1
17	Washer	Brass	Hpb59-1
18	O-Ring	NBR	Commercial
19	Bolt	Carbon Steel	Zinc Plated
20	Wedge Nut	Brass	Hpb59-1
21	Plug	Bronze	ASTM B584 C89833



Product Data & Part Numbers

Part Number	Nominal Pipe Size		Dimensions (mm)						Weight (kg)
	DN	Inch	L	H	D	d	A	B	
PIG-0200	DN50*#	2"	178	278	60.3	57.2	15.9	7.9	9.9
PIG-0250-073	DN65*	2½"	190	296	73.0	69.1	15.9	7.9	10.9
PIG-0250-076					76.1	72.3			
PIG-0300	DN80*	3"	203	322	88.9	84.9	15.9	7.9	15.4
PIG-0400	DN100	4"	229	395	114.3	110.1	15.9	9.5	28.1
PIG-0500-139	DN125	5"	254	432	139.7	135.5	15.9	9.5	35.9
PIG-0500-141					141.3	137.0			
PIG-0600-165					165.1	160.9			
PIG-0600-168	DN150	6"	267	475	168.3	164.0	15.9	9.5	42.4
PIG-0800	DN200	8"	295	585	219.1	214.4	19.0	11.1	68.4
PIG-1000	DN250	10"	330	656	273.0	268.3	19.0	12.7	105.4
PIG-1200	DN300	12"	356	751	323.9	318.3	19.0	12.7	156.1

* UL Listed as Model PIG2

UL Listing Only

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SPECIFICATIONS

Application	Operate hidden or buried post indicator or NRS Valves
Compatibility	PIF or PIG models only
Valve Sizes	2"/DN40 to 16"/DN400
Indicator Positions	'OPEN' & 'SHUT'
Adjustment Range	850mm
Finish	Internally and externally coated in red epoxy RAL3000
Stem Bar	2.2 m
Approvals	cULus, FM

Trench depth

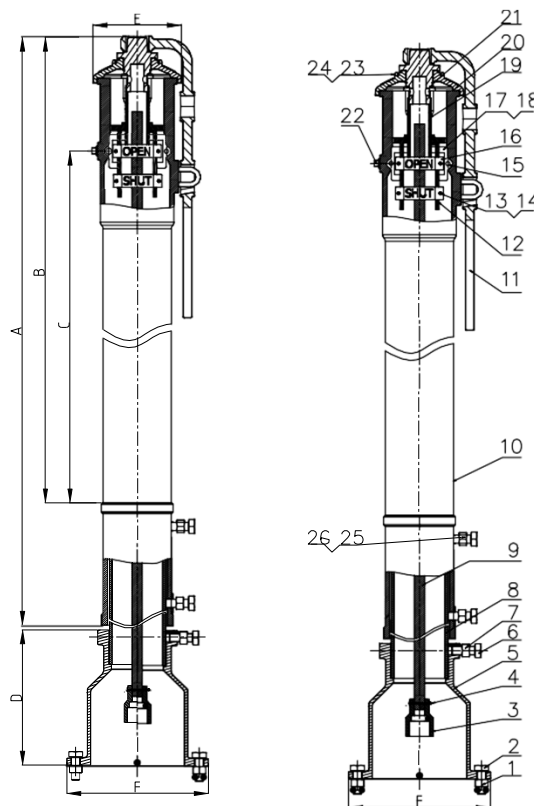
PN	Trench Depth according to Valve Size (mm)									
	DN100/4"		DN150/6"		DN200/8"		DN250/10"		DN300/12"	
	Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
IPV	958	1,808	1,073	1,923	1,200	2,050	1,314	2,164	1,448	2,298

Product Data & Part Numbers

Part Number	Dimensions (mm)						Weight (kg)
	A	B	C	D	E	F	
IPV	1,270	1,006	759.5	292	190	305	98.7

Materials list

Item	Part	Material	Specification	Part Number	Weight (kg.)
1	Hex Nut	Carbon Steel Zinc Plated		-	-
2	Hex Bolt	Carbon Steel Zinc Plated		-	-
3	Socket	Ductile Iron	A536, 65-45-12	IPV-SOCK	2.42
4	Cotter Pin	Stainless Steel	AISI 304	IPV-COTT	0.02
5	Base Flange	Cast Iron	ASTM A126 Class B	IPV-BF	14.52
6	Hex Bolt	Carbon Steel Zinc Plated		-	-
7	Hex Nut	Carbon Steel Zinc Plated		-	-
8	Standpipe	Carbon Steel	ASTM A53	-	-
9	Stem 1" Square	Carbon Steel	AISI 1045	IPV-STEM	12.18
10	Body	Cast Iron	ASTM A126 Class B		
11	Locking Wrench	Ductile Iron	A536, 65-45-12	IPV-WREN	3.56
12	Target Carrier Nut	Stainless Steel	AISI 304	-	-
13	Hex Bolt	Carbon Steel Zinc Plated		-	-
14	Hex Nut	Carbon Steel Zinc Plated		-	-
15	Hex Bolt	Carbon Steel Zinc Plated		-	-
16	Target - Open	Cast Aluminum		IPV-OPEN	0.07
	Target - Shut			IPV-SHUT	0.07
17	Window Glass	Plexiglass		IPV-WIN	0.03
18	Window Gasket	PTFE		IPV-WG	0.01
19	Operating Nut	Stainless Steel	AISI 304	-	-
20	Top Section	Cast Iron	ASTM A126 Class B	-	-
21	Snap Ring		AISI 1066	-	-
22	Plug	Malleable Iron Galvanized		-	-
23	Square Nut	Carbon Steel Zinc Plated		-	-
24	Hex Bolt	Carbon Steel Zinc Plated		-	-
25	Hex Bolt	Carbon Steel Zinc Plated		-	-
26	Hex Nut	Carbon Steel Zinc Plated		-	-



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Indicator Post | Vertical | IPV-1

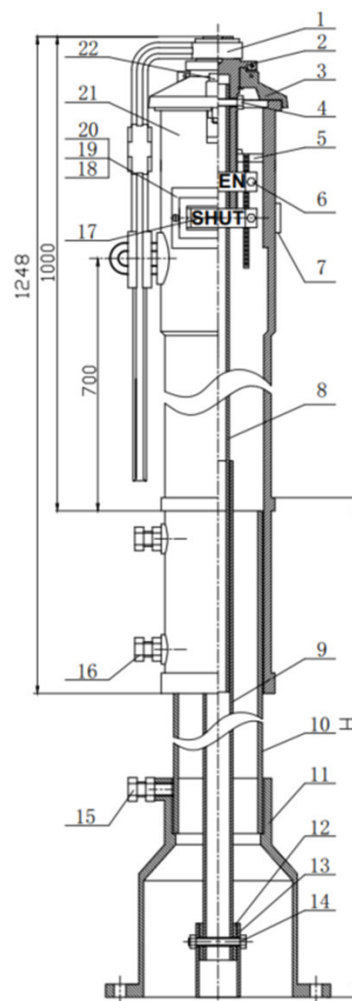


SPECIFICATIONS

Application	Operate hidden or buried post indicator or NRS Valves
Compatibility	NRFL-4 or NRGL-4 models only
Valve Sizes	4"/DN100 to 12"/DN300
Indicator Positions	'OPEN' & 'SHUT'
Adjustment Range	570mm to 1,500mm
Finish	Epoxy resin coated
Conformity	UL 789, ULC / ORD-C789 & FM 1000
Approvals	UL, C-UL, FM

Materials list

Item	Part	Qty	Material	Specification
1	Handwheel	1	Ductile Iron	ASTM A536
2	Driving Rod	1	Stainless Steel 304	ASTM A276
3	Indicator Cover	1	Cast Iron	ASTM A126
4	Pin	1	Steel 1035	ASTM A29
5	Driving Nut	1	Stainless Steel 304	ASTM A276
6	Bolt	4	Steel 1035	ASTM A29
7	Screw Plug	1	Steel 1035	ASTM A29
8	Connecting Rod	1	Steel 1045	ASTM A29
9	Connecting Rod	1	Steel 1045	ASTM A29
10	Extension Rod	1	A283 Gr. C	ASTM A36
11	Flange	1	Cast Iron	ASTM A126
12	Connecting Rod	1	Steel 1045	ASTM A29
13	Connecting Rod	1	Steel 1045	ASTM A29
14	Bolt	1	Steel 1035	ASTM A29
15	Bolt	2	Steel 1035	ASTM A29
16	Bolt	2	Steel 1035	ASTM A29
17	Indicator Plate	4	A413.0	ASTM S12A
18	Keyhole Plate	2	A283 Gr. C	ASTM A36
19	Keyhole Plate Gasket	2	EPDM	ASTM D2000
20	Indicator Flap	2	Organic glass	
21	Housing	1	Cast Iron	ASTM A126
22	Bolt	2	Steel 1035	ASTM A29



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SPECIFICATIONS

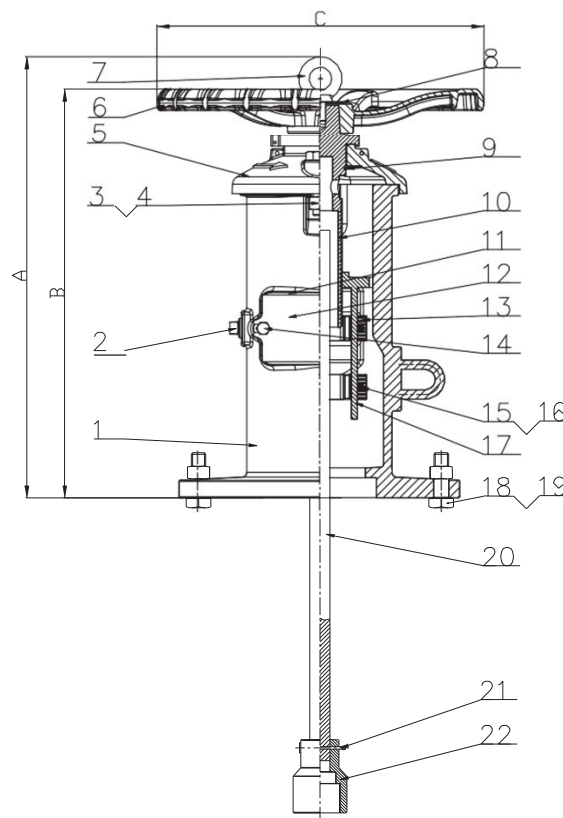
Application	Operate hidden post indicator or NRS Valves
Compatibility	PIF or PIG models only
Valve Sizes	2"/DN40 to 16"/DN400
Indicator Positions	'OPEN' & 'SHUT'
Finish	Internally and externally coated in red epoxy RAL3000
Stem Bar	1.0 m
Approvals	cULus, FM

Materials list

Item	Part	Material	Specification	Part Number	Weight (kg.)
1	Body	Cast Iron	ASTM A126 Class B	-	-
2	Plug	Malleable Iron - Galvanized		-	-
3	Square Nut	Carbon Steel - Zinc Plated		-	-
4	Hex Bolt	Carbon Steel - Zinc Plated		-	-
5	Cover	Cast Iron	ASTM A126 Class B	-	-
6	Hand wheel	Ductile Iron	A536, 65-45-12	IPW-HW	3.62
7	Eye Bolt	Stainless Steel	AISI 304	-	-
8	Washer	Stainless Steel	AISI 304	-	-
9	Snap Ring	Spring Steel Sheet	AISI 1066	-	-
10	Operating nut	Stainless Steel	AISI 304	-	-
11	Window Gasket	PTFE		IPW-WG	0.01
12	Window Class	Plexiglas		IPW-WIN	0.03
13	Target - Open	Cast Aluminum		IPW-OPEN	0.07
	Target - Shut			IPW-SHUT	0.07
14	Hex Bolt	Carbon Steel - Zinc Plated		-	-
15	Hex Bolt	Carbon Steel - Zinc Plated		-	-
16	Hex Nut	Carbon Steel - Zinc Plated		-	-
17	Target Carrier Nut	Stainless Steel	AISI 304	-	-
18	Hex Nut	Carbon Steel - Zinc Plated		-	-
19	Hex Bolt	Carbon Steel - Zinc Plated		-	-
20	Stem 1" Square	Carbon Steel	AISI 1045	IPW-STEM	4.49
21	Cotter Pin	Stainless Steel	AISI 304	IPW-COTT	0.02
22	Socket	Ductile Iron	A536, 65-45-12	-	-

Product Data & Part Numbers

Part Number	Dimensions (mm)			Weight (kg / lbs)
	A	B	C1	
IPW	497	447	356	40.5



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Indicator Post | Horizontal Wall | IPW

Installation

NOTE: Ensure that the post indicator valve is in the fully open position before installing the Wall Post Indicator.

1.) Make the hole through the wall

Make a clearance hole that is at least 120 mm (4.7") in diameter but not greater than 180 mm (7.1") in diameter through the mounting wall. The clearance hole must be on-center and concentric with the operating nut of the post indicator valve. NOTE: A DN100/4" (114.3 mm Outside Diameter) length of pipe can be used to line the inside of the through hole. Pipe of this diameter will fit snugly into a machined mating hole on the flange side the Body (1) of the Wall Post Indicator.

2.) Drill the Mounting Holes

Drill 4 equally spaced holes on a 267 mm (10.5") bolt circle into the mounting wall using a 3/4" (19 mm) drill bit. The bolt circle must be concentric and on center with the operating nut of the post indicator valve.

3.) Mount the Wall Post Indicator

Bolt the flange of the Body (1) of the Wall Post Indicator to the wall using 4 bolts (18 & 19).

4.) Remove the Cover

With the Body (1) flange of the Wall Post Indicator securely bolted to the mounting wall, remove the Cover (5) by removing the two Bolts (4) and Nuts (3). Slide the Cover (5) off of the Wall Post Indicator Body (1).

5.) Insert and measure the Stem Rod

With the Cover (5) still separated from the Body (1), slide the Stem (20), Cotter Pin (21) and Socket (22) assembly through the Wall Post Indicator Body (1) and through the wall such that the Socket

(22) fully engages with the operating nut of the non-rising stem gate valve. With the Socket (22) fully engaged on the operating nut of the non-rising stem gate valve, put a mark on the Stem (20) that is between 32 mm (1.25") below the top surface of the Body (1) but not more than 50 mm (2") above the top surface of the Body (1).

6.) Cut the Stem Rod

Cut the stem rod at the mark made in Step 5.

7.) Adjust the Target Plates

Adjust the "Open" Target Plates (15) such that they are squarely centered in the Windows (11) when the post indicator valve is in the fully open position. Repeat this procedure with the "Shut" Target Plates (15) when the post indicator valve is fully closed. Adjustment is made by loosening Hex Bolt (16) and Nut (17).

8.) Re-assemble the Wall Post Indicator

Insert the Cover (5) back onto the Body (1) such that the ears on either side of the Target Nut fit into the grooves on the inside edges of the Body (1). Tighten the two Nuts and Bolts (4)(3). Verify that the "Open" and "Shut" Target (13) is in the proper position by fully opening and closing the post indicator valve using the Handwheel (6). Adjust as necessary.

Maintenance

Lubrication

Oil the bearing in the Body (1) at least once a year by adding several drops of oil in the hole located on the top of the Operating Nut (10).



Indicator Post | Horizontal Wall | IPW-1

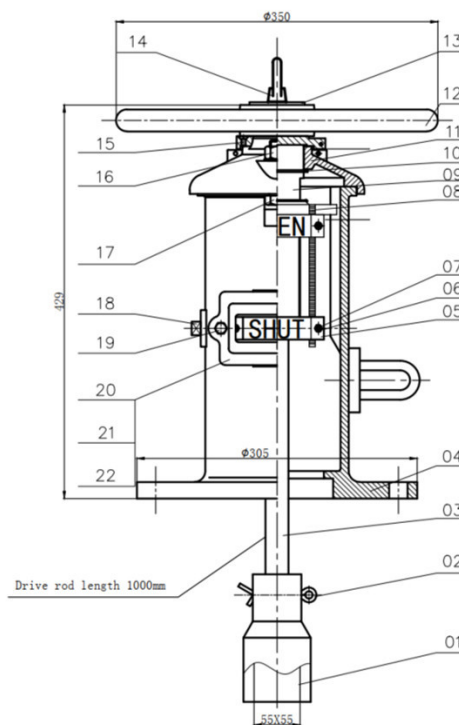


SPECIFICATIONS

Application	Operate hidden or buried post indicator or NRS Valves
Compatibility	NRFL-4 or NRGL-4 models only
Valve Sizes	4"/DN100 to 12"/DN300
Indicator Positions	'OPEN' & 'SHUT'
Finish	Epoxy resin coated
Conformity	UL 789, ULC / ORD-C789 & FM 1000
Approvals	UL, C-UL, FM

Materials list

Item	Part	Qty	Material	Specification
1	Joint	1	Cast Iron	ASTM A126
2	Cotter Pin	1	Steel 1035	ASTM A29
3	Driving Rod	1	Steel 1045	ASTM A29
4	Main body	1	Cast Iron	ASTM A126
5	Indicator Plate	4	A413.0	ASTM S12A
6	Gasket Nut	4	Steel 1035	ASTM A29
7	Stud Bolt	4	Steel 1035	ASTM A29
8	Position Bracket	1	Stainless Steel 304	ASTM A276
9	Driver	1	Stainless Steel 304	ASTM A276
10	Retainer Ring	1	Steel 1566	ASTM A29
11	Upper Cover	1	Cast Iron	ASTM A126
12	Handwheel	1	Cast Iron	ASTM A126
13	Gasket	1	A283 Gr. C	ASTM A36
14	Lift Ring	1	Steel 1035	ASTM A29
15	Screw	1	Steel 1035	ASTM A29
16	Nut	2	Steel 1035	ASTM A29
17	Bolt	2	Steel 1035	ASTM A29
18	Screw Plug	1	Steel 1035	ASTM A29
19	Bolt, Flat Gasket	4	Stainless Steel 304	ASTM A276
20	Keyhole Plate	2	A283 Gr. C	ASTM A36
21	Key Hole	2	Organic glass	-
22	Keyhole Plate Gasket	2	EPDM	ASTM D2000



Operation

1. Ensure that the gate valve is closed.
2. Remove the indicator cover.
3. Measure off the length of the connecting rod according to the depth of the gate valve and cut off the excess length.
4. Connect the post indicator to the gate valve.
4. Adjust the indicator to the 'SHUT' position.
6. Tighten the flange connection bolts.
6. Install the indicator cover

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SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar (UL & FM) 363 psi / 25bar (VdS & LPCB)
Working Temperature	0°C to 80°C (32°F to 176°F)
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125, EN1092-2 PN10 or EN1092-2 PN16
Specifications	Complies with AWWA C508, clear waterway design
Approvals	cULus, FM, LPCB

Product Data & Part Numbers

Part N umber*			Nominal Pipe Size		Dimensions (mm)										Weight (Kg)
ANSI	PN10	PN16	Metric	Inch	L	D	b	H	Flat			Bolt			
									ANSI	PN16	PN10	ANSI	PN16	PN10	
SCF-0200	SCF-0200PN		DN50	2"	203	152	16.0	133	120.5	125		4-Ø19.1			11.2
SCF-0250	SCF-0250PN		DN65	2½"	254	178	17.5	150	139.5	145		4-Ø19.1			16.7
SCF-0300	SCF-0300PN		DN80	3"	279	191	19.0	150	152.5	160		4-Ø19.1	8-Ø19.1		22.5
SCF-0400	SCF-0400PN		DN100	4"	330	229	24.0	218	190.5	180		8-Ø19.1	8-Ø19.1		34.9
SCF-0600			DN150	6"	406	279	25.5	290	241.5	240		8-Ø22.2	8-Ø23		65.2
SCF-0800	SCF-0800PN10	SCF-0800PN16	DN200	8"	495	343	28.5	330	298.5	295		8-Ø22.2	12-Ø23	8-Ø23	120.7
SCF-1000	SCF-1000PN10	SCF-1000PN16	DN250	10"	622	406	30.5	350	362.0	355	350	12-Ø25.4	12-Ø28	12-Ø23	180.9
SCF-1200	SCF-1200PN10	SCF-1200PN16	DN300	12"	660	483	32.0	375	432.0	410	400	12-Ø25.4	12-Ø28	12-Ø23	242.3

* Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types.

ANSI = ANSI B16.1

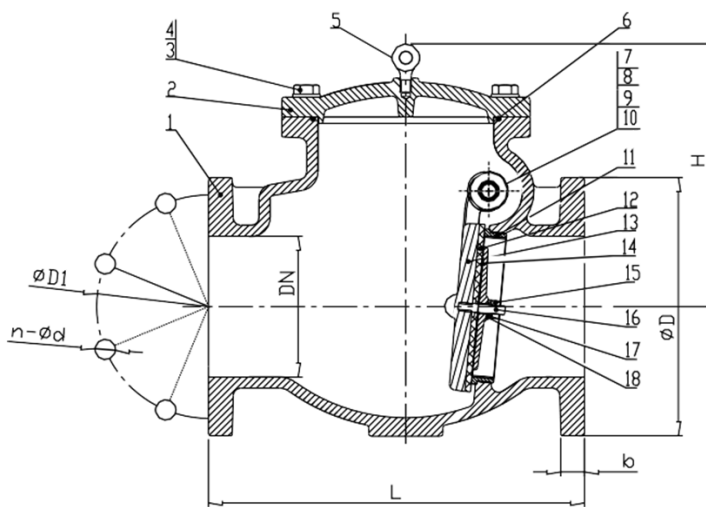
PN10 = DIN 2501, EN 1092 - PN10

PN16 = DIN 2501, EN 1092 - PN16

Materials list

Item	Description	Material	ASTM Specifications
1	Valvebody	Ductile iron	ASTM A536 65-45-12
2	Bonnet	Ductile iron	ASTM A536 65-45-12
3	Bolts	Zinc plated carbon steel	
4	Washer	Zinc plated carbon steel	
5	Eye bolt	Zinc plated carbon steel	
6	O-ring	NBR	Commercial
7	Washer	PTFE	
8	Plug	Stainless steel	AISI 304
9	Hinge bushing	Brass	ASTM B16 C36000
10	Hinge pin	Stainless steel	AISI 410
11	Seating	Bronze	ASTM B62
12	Seal	EPDM	Commercial
13	Disc	Ductile iron	ASTM A536 65-45-12
14	Plate	Ductile iron	ASTM A536 65-45-12
15	Nut	Stainless steel	AISI 304
16	Bolt	Stainless steel	AISI 304
17	Spring washer	Stainless steel	AISI 304
18	Falt washer	Stainless steel	AISI 304
19	Plug*	Tin bronze	

* Not shown on drawing



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SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar (UL & FM) 363 psi / 25bar (VdS & LPCB)
Working Temperature	0°C to 80°C (32°C to 176°C)
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125, EN1092-2 PN10 or EN1092-2 PN16
Specifications	Complies with AWWA C508, clear waterway design
Approvals	cULus, FM, LPCB, VdS

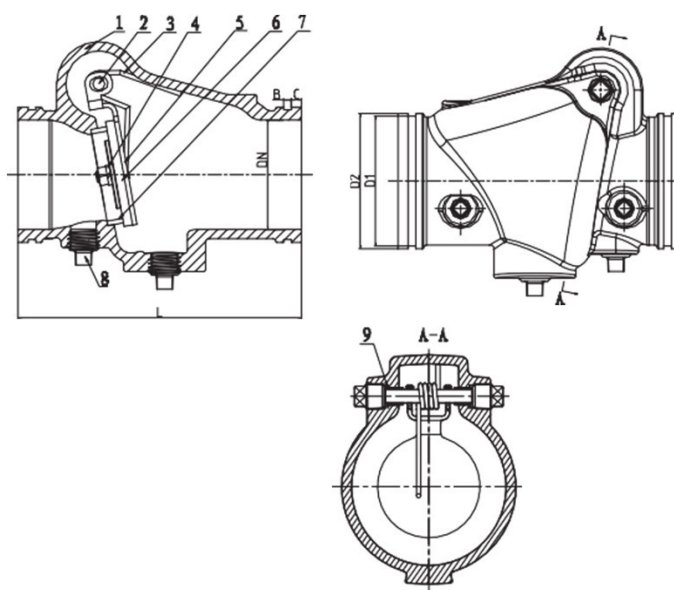
Product Data & Part Numbers

Part number	Nominal pipe size		Dimensions (mm)					Weight (kg)
	DN	Inch	L	D1	D2	b	c	
SCG-0200	DN50	2"	172	57.2	60.3	7.9	15.9	3.3
SCG-0250-073*	DN65	2½"	184	69.1	73.0	7.9		3.6
SCG-0250-076				72.3	76.1	7.9		
SCG-0300	DN80	3"	197	84.9	88.9	7.9		4.6
SCG-0400	DN100	4"	206	110.1	114.3	9.5		7.4
SCG-0600-165*	DN150	6"	325	160.9	165.1	9.5		16.2
SCG-0600-168				164.0	168.3	9.5		
SCG-0800	DN200	8"	372	214.4	219.1	11.1	19.1	26.9
SCG-1000	DN250	10"	457	268.3	273.0	12.7		51.9
SCG-1200	DN300	12"	535	318.3	323.9			75.6

* without VdS approval

Materials list

Item	Part Name	Material	ASTM Specification
1	Valve body	Ductile Iron	ASTM A 536 Gr. 65-45-12
2	Hinge pin	Stainless Steel	AISI 420
3	Spring	Stainless Steel	AISI 304
4	Spring Washer	Stainless Steel	AISI 304
5	Disc	DN50-DN100 Stainless Steel DN150-DN300 Ductile Iron	AISI 304 ASTM A 536 Gr. 65-45-12
6	Disc Sealing Ring	EPDM	Commercial
7	Seat Ring	Bronze	ASTM B62 C83600
8	Plug	Malleable Iron - Galvanised	
9	Bushing	Bronze	ASTM B62 C83600



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SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	235 psi / 16bar
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Designed to fit between the mating flanges in accordance with EN 1092 PN16

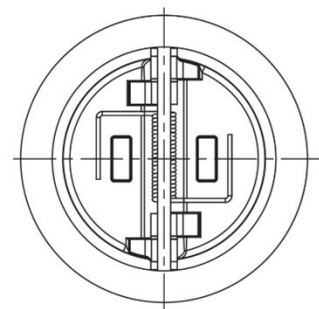
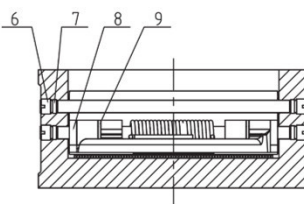
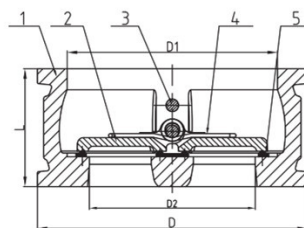
Product Data & Part Numbers

Part number*	Nominal pipe size		Dimensions (mm)				Weight (kg)
	DN	Inch	L	D	D1	D2	
DDW-0200PN	DN50	2"	54	107	64	46	1.5
DDW-0250PN	DN65	2½"	54	127	78	60	2.2
DDW-0200PN	DN80	3"	57	142	94	70	2.8
DDW-0400PN	DN100	4"	64	162	117	84	4.1
DDW-0500PN	DN125	5"	70	192	145	115	6.3
DDW-0600	DN150	6"	76	218	170	134	6.2
DDW-0800PN16	DN200	8"	95	273	224	184	14.9
DDW-1000PN16	DN250	10"	108	328	265	220	25.4
DDW-1200PN16	DN300	12"	143	378	310	260	38.1

* The Double Door Check Valve referenced fits between the mating flanges as follows: PN16 = DIN 2501, BS 4504, EN 1092 - PN10/16

Materials list

Item	Part Name	Material	ASTM Specification
1	Valve body	Ductile Iron	A 536 65-45-12
2	Disc	Stainless Steel	AISI 316
3	Stem	Stainless Steel	AISI 420
4	Spring	Stainless Steel	AISI 304
5	Rubber Seat	EPDM	Commercial
6	Screw	Carbon Steel	
7	Shaft Seal	EPDM	Commercial
8	Washer	PTFE	Commercial
9	Washer	PTFE	Commercial



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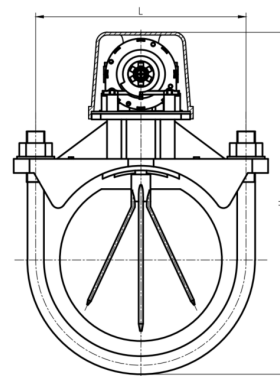


SPECIFICATIONS

Nominal Size	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200
Maximum Pressure Rating	450psi / 31bar
Electrical Ratings	125/250 VAC 8A 30 VDC / 2.5A 24 VDC / 3A
Flow Rate for Alarm:	4 – 10 gpm / 15.0 – 37.5 lpm (UL) 4-20 gpm / 15.0 – 75 lpm (FM)
Working Temperature	0 to 49°C / 32 to 120°F
Enclosure	IP54
Approvals	UL, FM

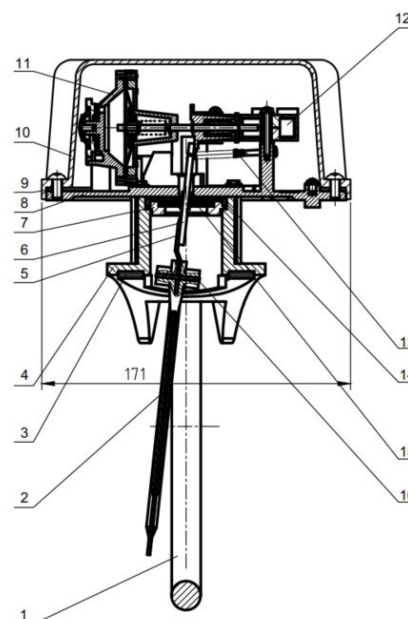
Product Data & Part Numbers

Part Number	Size		Dimensions (mm)		Hole Size (mm)
	DN	inch	L	H	
WFS-A0200	DN50	2"	85	188	32
WFS-A0250	DN65	2½"	92	200	32
WFS-A0300	DN80	3"	106	220	51
WFS-A0400	DN100	4"	134	245	51
WFS-A0500	DN125	5"	162	272	51
WFS-A0600	DN150	6"	189.5	298	51
WFS-A0800	DN200	8"	240	350	51

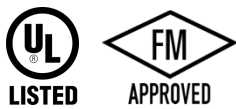


Materials list

Item	Part Name	Qty	Material	Standard
1	U Bolt	1	Carbon Steel	ASTM A36
2	Vane	1	LLDPE	
3	Sealing Gasket	1	EPDM	ASTM D2000
4	Frame	1	Ductile Iron	ASTM A536
5	Connector	1	SS304	ASTM A276
6	Shaft	1	SS304	ASTM A276
7	Plastic Bracket	1	POM	
8	Base Plate	1	SS304	ASTM A276
9	Dust Proof Gasket	1	EVA	
10	Outer Cover	1	Aluminum	ASTM B85
11	Decelerator	1	-	-
12	Microswitch	2	-	-
13	Connecting Spring	1	SS304	ASTM A276
14	Seal	1	SS304 + EPDM	ASTM A276 + ASTM D2000
15	Bracket	1	SS304	ASTM A276
16	Hollow Pin	1	SS304	ASTM A276

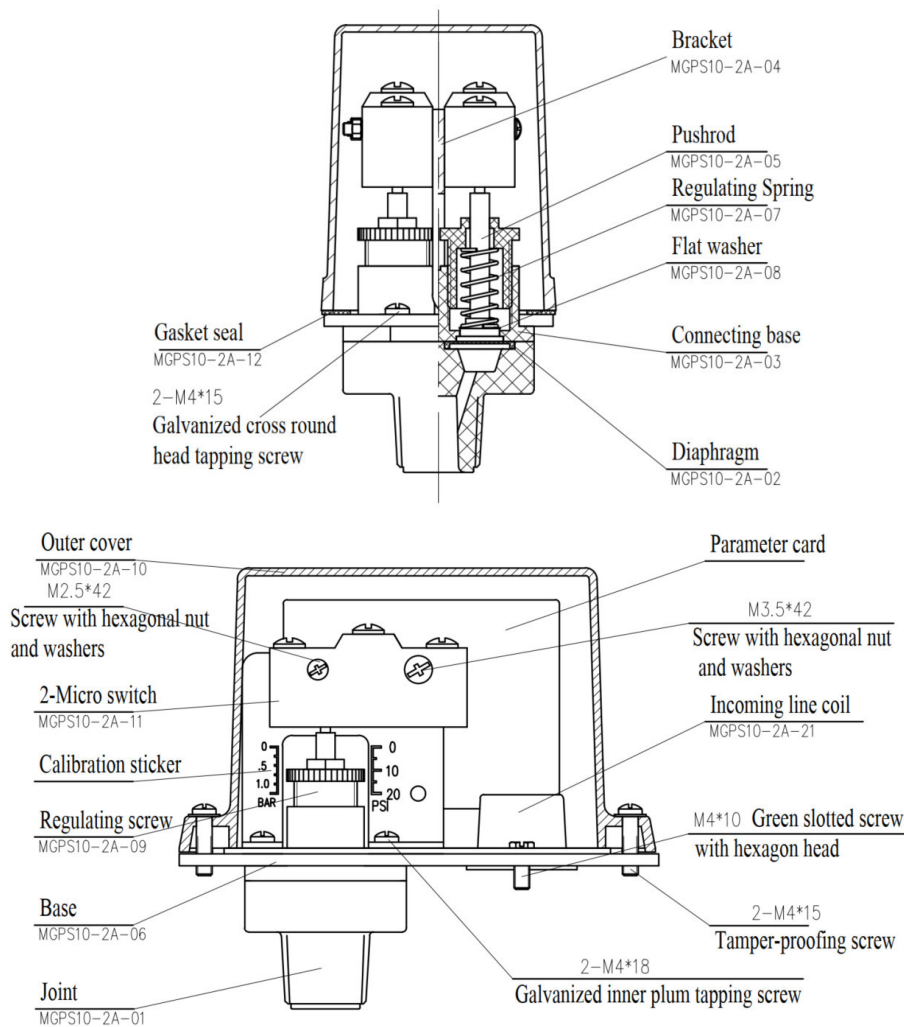


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SPECIFICATIONS	
Contact Ratings	Two SPDT (Form C) 15 Amps at 125/250VAC, 2.5 Amps at 0-30VDC Resistive
Factory Setting	5-7 psi / 0.34-0.48 bar
Differential Pressure	1 psi / 0.07 bar
Maximum Working Pressure	250psi
Enclosure	IP66
Working Temperature	-40 to 60°C / -40 to 140°F
Outer Cover	Die Cast (Coated Red)
Base Plate	Galvanised Carbon Steel
Approvals	UL, FM

Materials list



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SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure	300 psi / 21bar
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125 or EN1092-2 PN16
Approvals	cULus

Product Data & Part Numbers

Part Number*		Size		Dimensions (mm)								Drain Plug BSP Thread	Screen Size (mm)	Weight (kg)
ANSI	PN16	DN	Inch	L	D	b	H	D1		n-ØL				
								ANSI	PN16	ANSI	PN16			
YSF-0200	YSF-0200PN	DN50	2"	200	152	16	155	120.7	125	4-Ø19.1		1"	1.5	8.7
YSF-0250	YSF-0250PN	DN65	2½"	254	178	17.5	165	139.7	145	4-Ø19.1		1"	1.5	12.2
YSF-0300	YSF-0300PN	DN80	3"	257	191	19	180	152.4	160	4-Ø19.1	8-Ø19.1	1"	1.5	13.8
YSF-0400	YSF-0400PN	DN100	4"	308	229	24	229	190.5	180	8-Ø19.1	8-Ø19.1	1"	1.5	23.9
YSF-0600		DN150	6"	470	279	25.5	311	241.3	240	8-Ø22.2	8-Ø23	1-1/2"	1.5	43.8
YSF-0800	YSF-0800PN16	DN200	8"	549	343	28.5	394	298.5	295	8-Ø22.2	12-Ø23	1-1/2"	2	75.4
YSF-1000	YSF-1000PN16	DN250	10"	654	406	30.5	487	362.0	355	12-Ø25.5	12-Ø28	2"	2	109.3
YSF-1200	YSF-1200PN16	DN300	12"	759	483	32	547	431.8	410	12-Ø25.5	12-Ø28	2"	2	173.1

* Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types :

ANSI = ANSI B16.1 Class 125

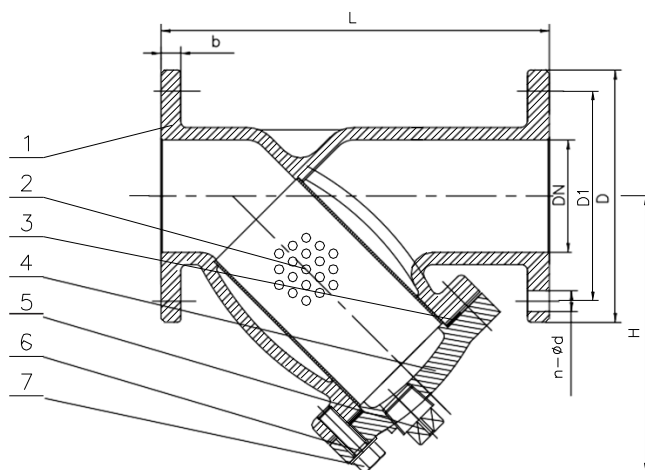
PN16 = DIN 2501, BS 4504, EN 1092 - PN16

Strainer Specification

DN		Hole Dia. (mm)	Free Flow Area (%)
Inch	mm		
2-6	50-150	1.5	33
8-12	200-300	2.0	33

Materials list

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A53665-45-12
2	Screen	Stainless Steel	AISI 304 (Perforated)
3	Gasket	EPDM	Commercial
4	Cover	Ductile Iron	ASTM A53665-45-12
5	Plug	Malleable Iron	Galvanized
6	Bolt	Carbon Steel	Zinc Plated
7	Flat Washer	Carbon Steel	Zinc Plated



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SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Working Pressure*	300 psi / 21bar
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Grooved joint dimensions are made in accordance with ANSI/AWWA C606 (ductile iron pipe and steel pipe) and metric pipe specifications
Approvals	cULus

* Pressure ratings require the use of couplings with equivalent pressure ratings. Rigid couplings are recommended for all valve end connections

Product Data & Part Numbers

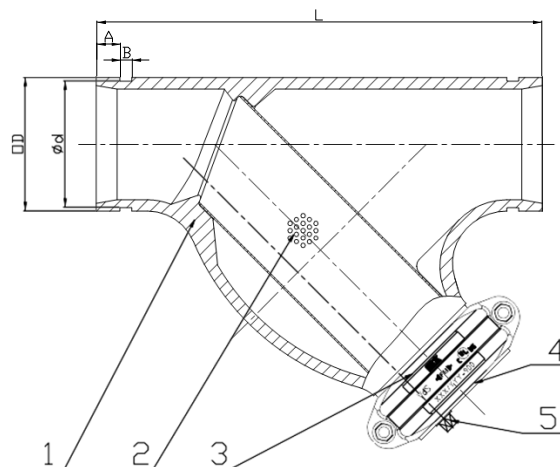
Reference	Size		Pipe O.D. (mm)	Drain Plug BSP Thread	Screen Size (mm)	Dimensions (mm)				Weight (kg)
	DN	Inch				L	D	A	B	
YSG-0200	DN50	2"	60.3	15 mm	4	247.5	57.2	15.9	7.9	3.8
YSG-0250-073	DN65	2½"	73.0	25 mm	4	273	69.1	15.9	7.9	6.2
YSG-0250-076			76.1				72.3	15.9	7.9	6.4
YSG-0300	DN80	3"	88.9	25 mm	5	298.5	84.9	15.9	7.9	9.2
YSG-0400	DN100	4"	114.3	40 mm	5	362	110.1	15.9	9.5	15.3
YSG-0500-139	DN125	5"	139.7	50 mm	5	419	135.5	15.9	9.5	21.6
YSG-0500-141			141.3				137.0	15.9	9.5	21.8
YSG-0600-165	DN150	6"	165.1	50 mm	5	470	160.0	15.9	9.5	32.0
YSG-0600-168			168.3				164.0	15.9	9.5	32.7
YSG-0800	DN200	8"	219.1	50 mm	5	609	214.4	19.1	11.1	70.9
YSG-1000	DN250	10"	273.0	50 mm	5	686	268.3	19.1	12.7	108.6
YSG-1200	DN300	12"	323.9	50 mm	5	762	318.3	19.1	12.7	159.4

Strainer Specification

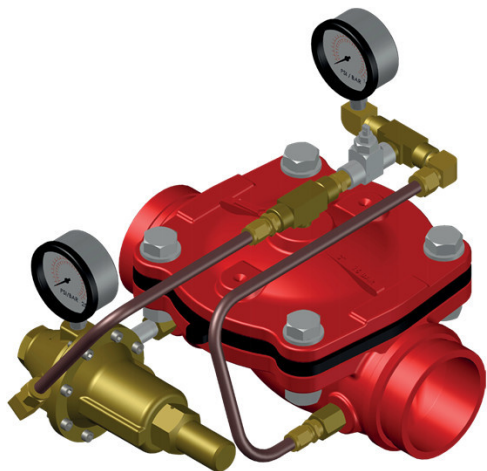
DN		Hole Dia. (mm)	Free Flow Area (%)
Inch	mm		
2 - 2½	50-65	4	48
3 - 12	80-300	5	53

Materials list

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536 65-45-12
2	Screen	Stainless Steel	AISI 304 (Perforated)
3	Rigid Coupling	Ductile Iron	ASTM A536 65-45-12
	Coupling Gasket	EPDM	Commercial
4	Cap	Ductile Iron	ASTM A536 65-45-12
5	Plug	Malleable Iron	Galvanized



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SPECIFICATIONS

Application	Installed in fire protections systems to maintain the desired outlet set pressure regardless of incoming pressure.
Sizes	1½"/DN40, 2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Rated Working Pressure	UL: 17.2 bar / 250 psi FM: 20.7 bar / 300 psi
Outlet Set Pressure	UL: 5.5-13.8 bar / 80-200psi (2" to 3", 8" to 12") 2.4-13.8 bar / 35-200psi (4" & 6") FM: 3.4 – 13.8 bar / 50-200psi
Finish	Fusion bonded epoxy coated, internal and external
Connections	Threaded: BSP or NPT (DN40 & DN50) Flange: ANSI #150 or PN16 EN1092-2 Groove: AWWA C606
Approvals	*UL, FM

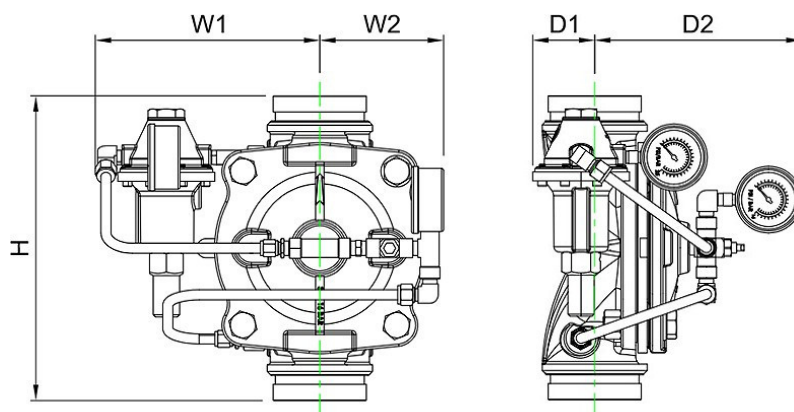
* 2"/DN50 to 10"/DN250 sizes.

Product Dimensions

Size		1½" / DN40	2" / DN50	2½" / DN65	3" / DN80	4" / DN100	6" / DN150	8" / DN200	10" / DN250	12" / DN300
Dimensions (mm)	H	197	198	225	290	346	412	470	635	749
	D1	54	56	54	59	65	88	125	197	234
	D2	158	168	185	197	216	278	348	389	394
	W1	117	115	115	119	133	169	177	233	240
	W2	154	177	204	212	233	281	277	248	248

Materials list

Description	Material
Valve body	Ductile iron, ASTM A536
Valve diaphragm	Nitrile
Pilot valve (17.2 bar / 250 psi) and bracket	Brass, nickel plated (valve) AISI 316 (bracket)
Trim tubing	Copper, Type L
Trim fittings	Brass
Pressure gauge, 90 mm diameter, 1/4" NPT	Stainless steel casing, brass fitting Inlet: 0-25 bar / 0-363 psi Outlet: 0-16 bar / 0-232 psi
Needle valve	Brass, nickel plated



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Pressure Control | Pressure Reducing | Flange, Groove, Thread | FK-PRV3

Part Numbers & Weights

Size	Connection	Material	Finish	Part Number		Weight (Kg)
				Horizontal	Vertical	
1½" / DN40(48.3)	Groove X Groove	Ductile Iron	Fusion Bonded Epoxy / Polyester	FK-PRV3-H048GD	FK-PRV3-V048GD	7.8
2" / DN50(60.3)				FK-PRV3-H060GD	FK-PRV3-V060GD	8.7
2½" / DN65(73.0)				FK-PRV3-H073GD	FK-PRV3-V073GD	15
2½" / DN65(76.1)				FK-PRV3-H076GD	FK-PRV3-V076GD	15
3" / DN80(88.9)				FK-PRV3-H089GD	FK-PRV3-V089GD	16
4" / DN100(114.3)				FK-PRV3-H114GD	FK-PRV3-V114GD	21
6" / DN150(165.1)				FK-PRV3-H165GD	FK-PRV3-V165GD	36
6" / DN150(168.3)				FK-PRV3-H168GD	FK-PRV3-V168GD	36
8" / DN200(219.1)				FK-PRV3-H219GD	FK-PRV3-V219GD	52
1½" / DN40				Flange X Flange (ANSI)	FK-PRV3-H0150FAD	FK-PRV3-V0150FAD
2" / DN50	FK-PRV3-H0200FAD				FK-PRV3-V0200FAD	12
2½" / DN65	FK-PRV3-H0250FAD				FK-PRV3-V0250FAD	15.5
3" / DN80	FK-PRV3-H0300FAD				FK-PRV3-V0300FAD	21.5
4" / DN100	FK-PRV3-H0400FAD				FK-PRV3-V0400FAD	28
6" / DN150	FK-PRV3-H0600FAD				FK-PRV3-V0600FAD	52
8" / DN200	FK-PRV3-H0800FAD				FK-PRV3-V0800FAD	70
10" / DN250	FK-PRV3-H1000FAD				FK-PRV3-V1000FAD	111
12" / DN300	FK-PRV3-H1200FAD				FK-PRV3-V1200FAD	142
1½" / DN40	Flange X Flange (PN16)				FK-PRV3-H0150FPD	FK-PRV3-V0150FPD
2" / DN50				FK-PRV3-H0200FPD	FK-PRV3-V0200FPD	12
2½" / DN65				FK-PRV3-H0250FPD	FK-PRV3-V0250FPD	15.5
3" / DN80				FK-PRV3-H0300FPD	FK-PRV3-V0300FPD	21.5
4" / DN100				FK-PRV3-H0400FPD	FK-PRV3-V0400FPD	28
6" / DN150				FK-PRV3-H0600FPD	FK-PRV3-V0600FPD	52
8" / DN200				FK-PRV3-H0800FPD	FK-PRV3-V0800FPD	70
10" / DN250				FK-PRV3-H1000FPD	FK-PRV3-V1000FPD	111
12" / DN300				FK-PRV3-H1200FPD	FK-PRV3-V1200FPD	142

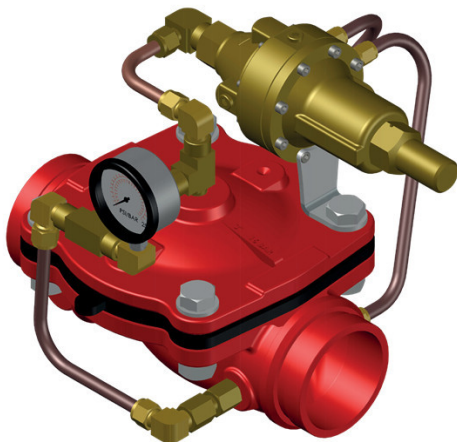
** Weight available on request

For threaded models, contact your local Viking Sales office.

Installation

- 1.The Fireking FK-PRV3 is supplied factory assembled and tested. The pilot valve set pressure is field adjustable. The needle valve is factory pre-set and is not field adjustable. Changes to the trim arrangement may influence the performance of the valve and the product approval.
- 2.The FK-PRV3 is for installation in WET systems only and must be installed in a location above 4 °C.
- 3.The FK-PRV3 can be mounted horizontally or vertically but the correct orientation must be specified at the time of ordering. It is possible to convert the orientation on-site – contact us for further details.
- 4.Verify that the flow direction matches the flow arrow on the valve body and
- 5.Ensure adequate pipework support either side of the valve so that the pipework weight is not loaded onto the valve.

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SPECIFICATIONS

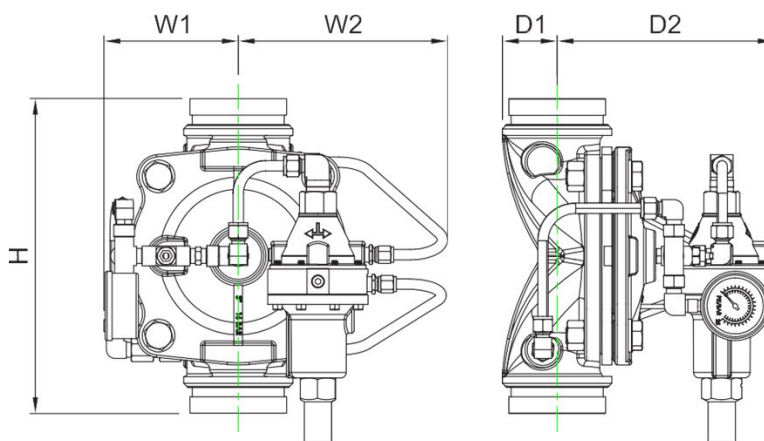
Application	Designed for use in fire protection systems where the relief of excess pressure in a pipe is required.
Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Rated Working Pressure	UL: 17.2 bar / 250 psi FM: 20.7 bar / 300 psi
Outlet Set Pressure / Relief Pressure Range	UL: 5.5-13.8 bar / 80-200psi (2" to 3", 8" to 12") 2.4-13.8 bar / 35-200psi (4" & 6") FM: 1.4 – 19.3 bar / 20-280psi
Finish	External: Epoxy base & polyurethane Topcoat Internal: Enamel glazing
Connections	Threaded: BSP or NPT (DN40 & DN50) Flange: ANSI #150 or PN16 EN1092-2 Groove: AWWA C606
Approvals	UL, FM

Product Dimensions (mm)

Size		2" / DN50	2½" / DN65	3" / DN80	4" / DN100	6" / DN150	8" / DN200	10" / DN250	12" / DN300
Dimension (mm)	H	190	215	283	303	406	469	634	750
	D1	112	305	296	320	387	478	522	231
	D2	166	147	182	202	212	238	269	238
	W1	211	217	144	151	202	228	279	329
	W2	190	215	283	303	406	469	634	750

Materials list

Description	Material
Valve body	Ductile iron, ASTM A536
Valve diaphragm	Nitrile
Pilot valve (17.2 bar / 250 psi) and bracket	Brass, nickel plated (valve) AISI 316 (bracket)
Trim tubing	Copper, Type L
Trim fittings	Brass
Pressure gauge, 90 mm diameter, 1/4" NPT	Stainless steel casing, brass fitting Inlet: 0-25 bar / 0-363 psi Outlet: 0-16 bar / 0-232 psi
Needle valve	Brass, nickel plated



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Part Numbers & Weights

Size	Connection	Material ²	Finish ³	Part Number		Weight (kg)
				Horizontal	Vertical	
2" / DN50 (60.3)	Groove X Groove	Ductile Iron	Fusion Bonded Epoxy / Polyester	FK-RV-H060GD	FK-RV-V060GD	10.2
2½" / DN65 (73.0)				FK-RV-H073GD	FK-RV-V073GD	16.5
2½" / DN65 (76.1)				FK-RV-H076GD	FK-RV-V076GD	16.5
3" / DN80 (88.9)				FK-RV-H089GD	FK-RV-V089GD	17.0
4" / DN100 (114.3)				FK-RV-H114GD	FK-RV-V114GD	22.0
6" / DN150 (165.1)				FK-RV-H165GD	FK-RV-V165GD	38.0
6" / DN150 (168.3)				FK-RV-H168GD	FK-RV-V168GD	38.0
8" / DN200 (219.1)				FK-RV-H219GD	FK-RV-V219GD	54.0
2" / DN50	Flange X Flange (ANSI)			FK-RV-H0200FAD	FK-RV-V0200FAD	13.8
2½" / DN65				FK-RV-H0250FAD	FK-RV-V0250FAD	17.0
3" / DN80				FK-RV-H0300FAD	FK-RV-V0300FAD	23.0
4" / DN100				FK-RV-H0400FAD	FK-RV-V0400FAD	29.0
6" / DN150				FK-RV-H0600FAD	FK-RV-V0600FAD	53.5
8" / DN200				FK-RV-H0800FAD	FK-RV-V0800FAD	71.5
10" / DN250				FK-RV-H1000FAD	FK-RV-V1000FAD	112.5
12" / DN300				FK-RV-H1200FAD	FK-RV-V1200FAD	143.5
2" / DN50	Flange X Flange (PN16)			FK-RV-H0200FPD	FK-RV-V0200FPD	13.8
2½" / DN65				FK-RV-H0250FPD	FK-RV-V0250FPD	17.0
3" / DN80				FK-RV-H0300FPD	FK-RV-V0300FPD	23.0
4" / DN100				FK-RV-H0400FPD	FK-RV-V0400FPD	29.0
6" / DN150				FK-RV-H0600FPD	FK-RV-V0600FPD	53.5
8" / DN200				FK-RV-H0800FPD	FK-RV-V0800FPD	71.5
10" / DN250				FK-RV-H1000FPD	FK-RV-V1000FPD	112.5
12" / DN300				FK-RV-H1200FPD	FK-RV-V1200FPD	143.5

For threaded models, contact your local Viking Sales office.

Installation

- 1.The Fireking FK-RV is supplied factory assembled and tested. The pilot valve set pressure is field adjustable. Changes to the trim arrangement may influence the performance of the valve and the product approval.
- 2.The FK-RV can be installed on wet piping and must be installed in a location above 4°C.
- 3.The FK-RV can be mounted horizontally or vertically but the correct orientation must be specified at the time of ordering. It is possible to convert the orientation on-site – contact us for further details.
- 4.Verify that the flow direction matches the flow arrow on the valve body.
- 5.The FK-RV is not an inline valve and should be connected without downstream pressure, i.e. outlet should be connected to atmosphere.
6. Ensure adequate pipework support either side of the valve so that the pipework weight is not loaded onto the valve.

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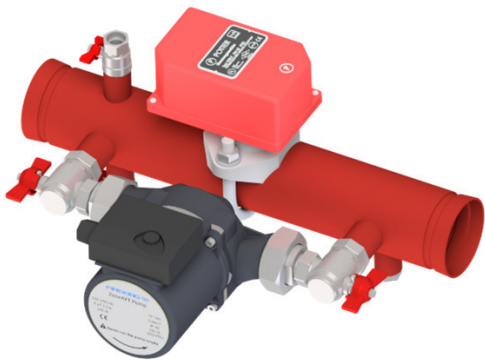


Wet Systems | Flow Test Systems | ZoneAFT

The ZoneAFT® is an automated closed loop flow switch test mechanism specifically designed for use in wet sprinkler systems within stationary fire protection installations. The device allows for the quarterly testing of the flow switch without the need for the opening of the test and drain valve which results in water wastage.

Features & Benefits

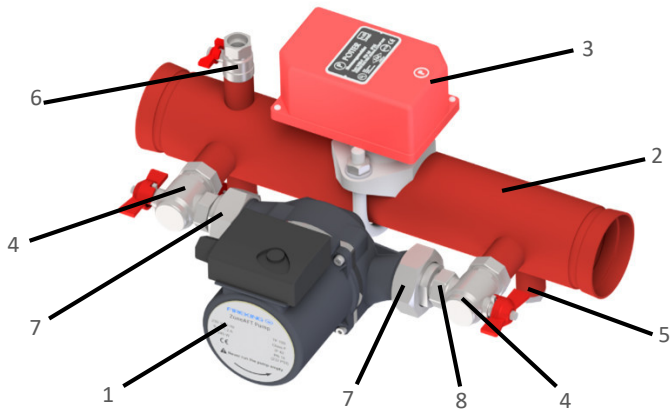
- Zero water wastage
- Corrosion Prevention
- Single operator testing
- Corrosion prevention
- Remote Testing
- Zone Testing
- System Monitoring



SPECIFICATIONS		
Sizes		2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200
Operating Pressure		16bar (232psi)
Temperature Range		4°C to 50°C (39°F to 122°F)
Connection		Groove x Groove
Installation Length		450mm / 17.71"
Pipe Colour		Red, Custom Colour (optional)
Pump	Protection Class	IP44
	Input Voltage	220 – 240 V AC (50-60Hz)
	Current	0.43 A
	Maximum Power	245W
	Maximum Flowrate	115 l/min (30.4 US Gal/min)
Flow Switch	Protection Class	IP54
	Flow Sensitivity	30 to 57 l/min (7.9 to 15 US Gal/min)
	Pressure Loss	DN50 – 100: ≤ 0.2bar at 5m/s (2.9psi at 16.4ft/s) DN150-200: : ≤ 0.07bar at 5m/s (1.0psi at 16.4ft/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		FM

Product Parts

No	Part Description
1	Pump
2	Main Pipe
3	Flow Switch
4	Ball Valve ¾"
5	Dummy Plug ½"
6	Ball Valve ½"
7	Union Nut
8	Backflow Preventer



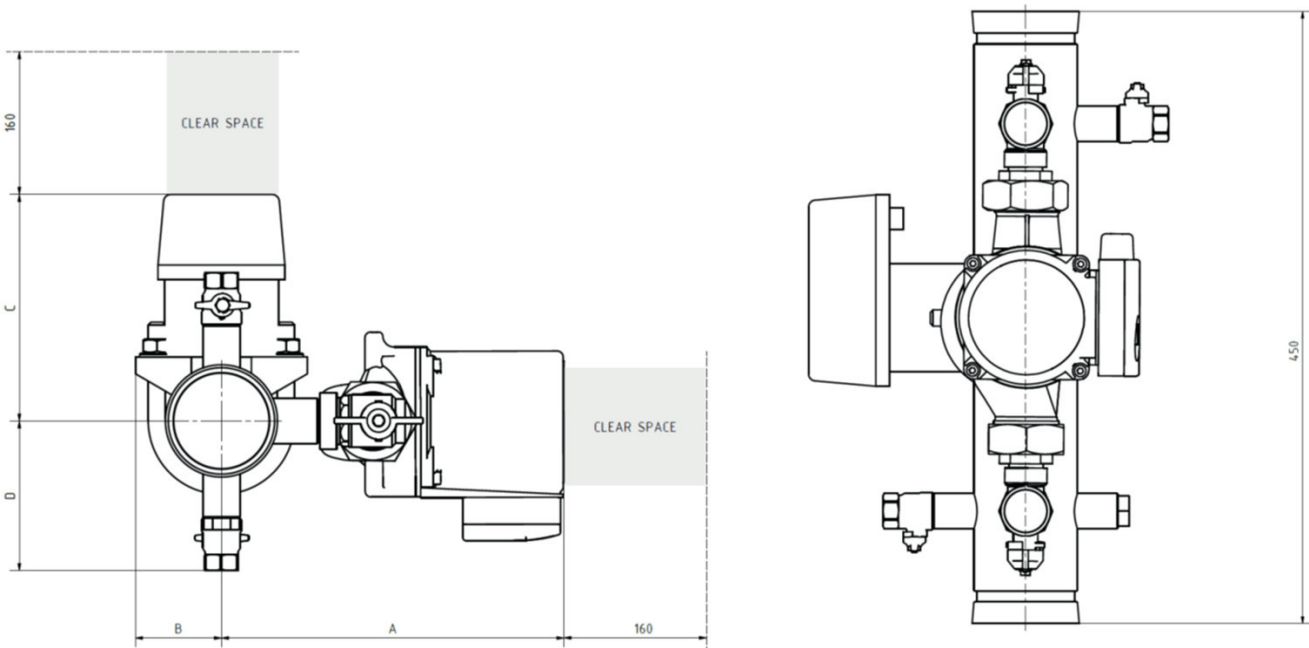
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Wet Systems | Flow Test System | ZoneAFT

Dimensions

Size		Pipe OD (mm)	Order Code		A		B		C		D		Weight	
DN	Inches		Left	Right	mm	in	mm	in	mm	in	mm	in	kg	lbs
DN50	2"	60.3	ZoneAFT-EL	ZoneAFT-ER	245	9.8	52	2.1	145	5.7	116	4.6	9.75	21.5
DN65	2½"	73.0	ZoneAFT-FL	ZoneAFT-FR	258	10.2	60	2.4	155	6.1	124	4.9	9.95	21.9
DN65	2½"	76.1	ZoneAFT-UL	ZoneAFT-UR	258	10.2	60	2.4	155	6.1	124	4.9	9.95	21.9
DN80	3"	88.9	ZoneAFT-GL	ZoneAFT-GR	259	10.2	71	2.8	165	6.5	130	5.1	10.95	24.1
DN100	4"	114.3	ZoneAFT-HL	ZoneAFT-HR	272	10.7	84	3.3	170	6.7	140	5.5	11.65	25.7
DN150	6"	165.1	ZoneAFT-XL	ZoneAFT-XR	299	11.8	111	4.4	200	7.8	168	6.6	15.00	33.1
DN150	6"	168.3	ZoneAFT-KL	ZoneAFT-KR	299	11.8	111	4.4	200	7.8	168	6.6	15.00	33.1
DN200	8"	219.1	ZoneAFT-LL	ZoneAFT-LR	325	12.8	137	5.4	235	9.3	195	7.7	22.55	49.7



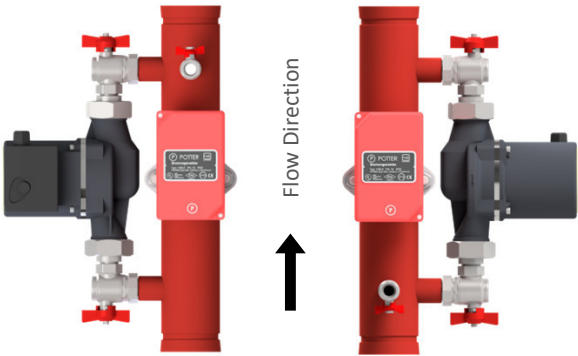
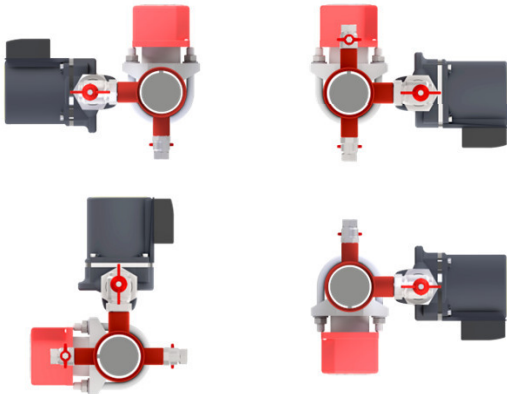
Installation

Horizontal

The flow switch must always be mounted on the top.

Vertical

Available in left and right variants, ZoneAFT can be installed in tight spaces near to the wall. It is important that you ensure the right configuration is ordered.



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Flexible Sprinkler Hoses | Braided & Unbraided | VK25B, VK25N



SPECIFICATIONS

Application	Commercial Suspended Ceilings
Hose Diameter	24.2mm ID, 24.8mm OD
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	UL 200psi / 14bar FM 175psi / 12bar
Inlet Nipple	1"
Outlet Reducer	½", ¾"
Approvals	FM, UL

Product Data & Part Numbers | Unbraided | VK25N | UL

Part Number	Hose Assembly Length		Outlet Size	K factor (imperial/metric)	Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in					m	ft
VK25N-T700 (½)	700	27 ⁹ / ₁₆	½"	5.6 / 80.6	2	102 / 4	10.06	33
VK25N-T1000 (½)	1000	39 ³ / ₈			3		17.37	57
VK25N-T1200 (½)	1200	47 ¹ / ₄			3		20.73	68
VK25N-T1500 (½)	1500	59 ¹ / ₁₆			3		24.99	82
VK25N-T1800 (½)	1800	70 ⁷ / ₈			3		29.87	98
VK25N-T700 (¾)	700	27 ⁹ / ₁₆	¾"	8.0 / 115.2	2		11.58	38
VK25N-T1000 (¾)	1000	39 ³ / ₈			3		18.90	62
VK25N-T1200 (¾)	1200	47 ¹ / ₄			3		22.25	73
VK25N-T1500 (¾)	1500	59 ¹ / ₁₆			3		27.13	89
VK25N-T1800 (¾)	1800	70 ⁷ / ₈			3		31.70	104

Product Data & Part Numbers | Braided | VK25B | UL & FM

Part Number	Hose Assembly Length		Outlet Size	K factor (imperial/metric)		Max. Number of 90° Bends		Minimum Bend Radius (mm/in)		Equivalent Length of 1" Schedule 40 Steel Pipe (c=120), ft (m)	
	mm	in		FM	UL	FM	UL	FM	UL	FM	UL
VK25B-T700 (½)	700	27 ⁹ / ₁₆	½"	5.6/80.6	8.0/115.2	1	2	229 / 9	102 / 4	7.92/26	10.06/33.0
VK25B-T1000 (½)	1000	39 ³ / ₈				2	3			14.05/46.1	17.37/57.0
VK25B-T1200 (½)	1200	47 ¹ / ₄				3	3			18.17/59.6	20.73/68.0
VK25B-T1500 (½)	1500	59 ¹ / ₁₆				3	3			24.29/79.7	24.99/82.0
VK25B-T1800 (½)	1800	70 ⁷ / ₈				4	3			30.48/100.0	29.87/98.0
VK25B-T700 (¾)	700	27 ⁹ / ₁₆	¾"	8.0/115.2	11.2/161.3	1	2			7.22/23.7	11.58/38.0
VK25B-T1000 (¾)	1000	39 ³ / ₈				2	3			13.53/44.4	18.90/62.0
VK25B-T1200 (¾)	1200	47 ¹ / ₄				3	3			17.77/58.3	22.25/73.0
VK25B-T1500 (¾)	1500	59 ¹ / ₁₆				3	3			24.08/79.0	27.13/89.0
VK25B-T1800 (¾)	1800	70 ⁷ / ₈				4	3			30.45/99.9	31.70/104.0

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Flexible Sprinkler Hoses | Braided & Unbraided | VK27B, VK27N



SPECIFICATIONS

Application	Commercial Suspended Ceilings
Hose Diameter	26.2mm ID, 26.8mm OD
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	UL 200psi / 14bar FM 175psi / 12bar
Inlet Nipple	1"
Outlet Reducer	½", ¾"
Approvals	FM, UL

Product Data & Part Numbers | Unbraided | VK27N | UL

Part Number	Hose Assembly Length		Outlet Size	K factor (imperial/metric)	Max. Number of 90° Bends	Minimum Bend Radius (mm/inches)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120)	
	mm	in					m	ft
VK27N-T0700 (½)	700	27 ⁹ / ₁₆	½"	5.6/80.6	2	102 / 4	7.92	26
VK27N-T1000 (½)	1000	39 ³ / ₈			3		13.72	45
VK27N-T1200 (½)	1200	47 ¹ / ₄			3		15.54	51
VK27N-T1500 (½)	1500	59 ¹ / ₁₆			3		20.12	66
VK27N-T1800 (½)	1800	70 ⁷ / ₈			3		21.03	69
VK27N-T700 (¾)	700	27 ⁹ / ₁₆	¾"	8.0/115.2	2		9.45	31
VK27N-T1000 (¾)	1000	39 ³ / ₈			3		15.24	50
VK27N-T1200 (¾)	1200	47 ¹ / ₄			3		16.76	55
VK27N-T1500 (¾)	1500	59 ¹ / ₁₆			3		21.34	70
VK27N-T1800 (¾)	1800	70 ⁷ / ₈			3		22.56	74

Product Data & Part Numbers | Braided | VK27B | UL & FM

Part Number	Hose Assembly Length		Outlet Size	K factor (imperial/metric)		Max. Number of 90° Bends		Minimum Bend Radius (mm/inches)		Equivalent Length of 1" Schedule 40 Steel Pipe (c=120), ft (m)	
	mm	in		FM	UL	FM	UL	FM	UL	FM	UL
VK27B-T0700 (½)	700	27 ⁹ / ₁₆	½"	5.6/80.6	8.0/115.2	1	2	229 / 9	102 / 4	8.66/28.4	7.92/26.0
VK27B-T1000 (½)	1000	39 ³ / ₈				2	3			13.96/45.8	13.72/45.0
VK27B-T1200 (½)	1200	47 ¹ / ₄				2	3			17.50/57.4	15.54/51.0
VK27B-T1500 (½)	1500	59 ¹ / ₁₆				3	3			21.21/69.6	20.12/66.0
VK27B-T1800 (½)	1800	70 ⁷ / ₈				4	3			24.93/81.8	21.03/69.0
VK27B-T700 (¾)	700	27 ⁹ / ₁₆	¾"	8.0/115.2	11.2/161.3	1	2			8.41/27.6	9.45/31.0
VK27B-T1000 (¾)	1000	39 ³ / ₈				2	3			12.44/40.8	15.24/50.0
VK27B-T1200 (¾)	1200	47 ¹ / ₄				2	3			15.12/49.6	16.76/55.0
VK27B-T1500 (¾)	1500	59 ¹ / ₁₆				3	3			19.11/62.7	21.34/70.0
VK27B-T1800 (¾)	1800	70 ⁷ / ₈				4	3			23.10/75.8	22.56/74.0

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Flexible Sprinkler Hoses | Braided & Unbraided | VK29B, VK29N



SPECIFICATIONS

Application	Commercial Suspended Ceilings
Hose Diameter	28.2mm ID, 28.8mm OD
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	UL 200psi / 14bar FM 175psi / 12bar
Inlet Nipple	1"
Outlet Reducer	½", ¾"
Approvals	FM, UL

Product Data & Part Numbers | Unbraided | VK29N | UL

Part Number	Hose Assembly Length		Outlet Size	K factor (imperial / metric)	Max. Number of 90° Bends	Minimum Bend Radius (mm/inches)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120)	
	mm	in					m	ft
VK29N-T700 (½)	700	27 ⁹ / ₁₆	½"	5.6/80.6	2	102 / 4	3.05	10
VK29N-T1000 (½)	1000	39 ³ / ₈			3		7.01	23
VK29N-T1200 (½)	1200	47 ¹ / ₄			3		8.84	29
VK29N-T1500 (½)	1500	59 ¹ / ₁₆			3		10.97	36
VK29N-T1800 (½)	1800	70 ⁷ / ₈			3		12.19	40
VK29N-T700 (¾)	700	27 ⁹ / ₁₆	¾"	8.0/115.2	2		4.88	16
VK29N-T1000 (¾)	1000	39 ³ / ₈			3		8.53	28
VK29N-T1200 (¾)	1200	47 ¹ / ₄			3		10.36	34
VK29N-T1500 (¾)	1500	59 ¹ / ₁₆			3		12.19	40
VK29N-T1800 (¾)	1800	70 ⁷ / ₈			3		13.72	45

Product Data & Part Numbers | Braided | VK29B | UL & FM

Part Number	Hose Assembly Length		Outlet Size	K factor (imperial/metric)		Max. Number of 90° Bends		Minimum Bend Radius (mm/in)		Equivalent Length of 1" Schedule 40 Steel Pipe (c=120)	
	mm	in		FM	UL	FM	UL	FM	UL	FM (m/ft)	UL (m/ft)
VK29B-T700 (½)	700	27 ⁹ / ₁₆	½"	5.6/80.6	8.0/115.2	1	2	229 / 9	102 / 4	7.01/23.0	3.05/10.0
VK29B-T1000 (½)	1000	39 ³ / ₈				2	3			10.21/33.5	7.01/23.0
VK29B-T1200 (½)	1200	47 ¹ / ₄				2	3			12.34/40.5	8.84/29.0
VK29B-T1500 (½)	1500	59 ¹ / ₁₆				3	3			13.69/44.9	10.97/36.0
VK29B-T1800 (½)	1800	70 ⁷ / ₈				4	3			49.3 (15.03)	12.19/40.0
VK29B-T700 (¾)	700	27 ⁹ / ₁₆	¾"	8.0/115.2	11.2/161.3	1	2			4.91/16.1	4.88/16.0
VK29B-T1000 (¾)	1000	39 ³ / ₈				2	3			8.35/27.4	8.53/28.0
VK29B-T1200 (¾)	1200	47 ¹ / ₄				2	3			10.67/35.0	10.36/34.0
VK29B-T1500 (¾)	1500	59 ¹ / ₁₆				3	3			11.98/39.3	12.19/40.0
VK29B-T1800 (¾)	1800	70 ⁷ / ₈				4	3			13.32/43.7	13.72/45.0

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Model VK32B-T



Model VK32B-Txxx-BU



SPECIFICATIONS

Application	Commercial Suspended Ceilings
Hose Diameter	31.2mm ID, 31.8mm OD
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	FM 175psi / 12bar
Inlet Nipple	1"
Outlet Reducer	½", ¾"
Approvals	FM, UL

Product Data & Part Numbers | Threaded Fitting | VK32B-Txxx

Part Number	Hose Assembly Length		Outlet Size	K factor		Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in		imperial	metric			m	ft
VK32B-T800 (½)	800	31½/₂	½"	5.6	80.6	1	300 / 11.8	5.70	18.7
VK32B-T1000 (½)	1000	39³/₈				2		7.07	23.2
VK32B-T1200 (½)	1200	47¹/₄				2		7.89	25.9
VK32B-T1500 (½)	1500	59¹/₁₆				3		9.72	31.9
VK32B-T1800 (½)	1800	70⁷/₈				4		10.70	35.1
VK32B-T800 (¾)	800	31½/₂	¾"	8.0	115.2	1		3.29	10.8
VK32B-T1000 (¾)	1000	39³/₈				2		4.51	14.8
VK32B-T1200 (¾)	1200	47¹/₄				2		5.70	18.7
VK32B-T1500 (¾)	1500	59¹/₁₆				3		6.98	22.9
VK32B-T1800 (¾)	1800	70⁷/₈				4		7.99	26.2

Product Data & Part Numbers | Threaded / Bushing Unit | VK32B-Txxx-BU

Part Number	Hose Assembly Length		Outlet Size	K factor		Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in		imperial	metric			m	ft
VK32B-T800-BU (½)	800	31½/₂	½"	5.6	80.6	1	300 / 11.8	5.70	18.7
VK32B-T1000-BU (½)	1000	39³/₈				2		7.07	23.2
VK32B-T1200-BU (½)	1200	47¹/₄				2		7.89	25.9
VK32B-T1500-BU (½)	1500	59¹/₁₆				3		9.72	31.9
VK32B-T1800-BU (½)	1800	70⁷/₈				4		10.70	35.1
VK32B-T800-BU (¾)	800	31½/₂	¾"	8.0	115.2	1		3.29	10.8
VK32B-T1000-BU (¾)	1000	39³/₈				2		4.51	14.8
VK32B-T1200-BU (¾)	1200	47¹/₄				2		5.70	18.7
VK32B-T1500-BU (¾)	1500	59¹/₁₆				3		6.98	22.9
VK32B-T1800-BU (¾)	1800	70⁷/₈				4		7.99	26.2

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Model VK32B-W



Model VK32B-Wxxx-BU



Product Data & Part Numbers | Welded Connection | VK32B-Wxxx

Part Number	Hose Assembly Length		Outlet Size	K factor		Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in		imperial	metric			m	ft
VK32B-W800 (½)	800	31½/₂	½"	5.6	80.6	1	203 / 8	5.70	18.7
VK32B-W1000 (½)	1000	39³/₈				2		7.07	23.2
VK32B-W1200 (½)	1200	47¹/₄				2		7.89	25.9
VK32B-W1500 (½)	1500	59¹/₁₆				3		9.72	31.9
VK32B-W1800 (½)	1800	70⁷/₈				4		10.70	35.1
VK32B-W800 (¾)	800	31½/₂	¾"	8.0	115.2	1		3.29	10.8
VK32B-W1000 (¾)	1000	39³/₈				2		4.51	14.8
VK32B-W1200 (¾)	1200	47¹/₄				2		5.70	18.7
VK32B-W1500 (¾)	1500	59¹/₁₆				3		6.98	22.9
VK32B-W1800 (¾)	1800	70⁷/₈				4		7.99	26.2

Product Data & Part Numbers | Welded Bushing Unit (Ring Nut) | VK32B-Wxxx-BU

Part Number	Hose Assembly Length		Outlet Size	K factor		Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in		imperial	metric			m	ft
VK32B-W800-BU (½)	800	31½/₂	½"	5.6	80.6	1	203 / 8	5.70	18.7
VK32B-W1000-BU (½)	1000	39³/₈				2		7.07	23.2
VK32B-W1200-BU (½)	1200	47¹/₄				2		7.89	25.9
VK32B-W1500-BU (½)	1500	59¹/₁₆				3		9.72	31.9
VK32B-W1800-BU (½)	1800	70⁷/₈				4		10.70	35.1
VK32B-W800-BU (¾)	800	31½/₂	¾"	8.0	115.2	1		3.29	10.8
VK32B-W1000-BU (¾)	1000	39³/₈				2		4.51	14.8
VK32B-W1200-BU (¾)	1200	47¹/₄				2		5.70	18.7
VK32B-W1500-BU (¾)	1500	59¹/₁₆				3		6.98	22.9
VK32B-W1800-BU (¾)	1800	70⁷/₈				4		7.99	26.2

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Model VK32B-Wxxx-AU1 /AU2



Product Data & Part Numbers | Welded Aluminium Unit (Thin Panel) | VK32B-Wxxx-AU1

Part Number	Hose Assembly Length		Outlet Size	K factor		Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in		imperial	metric			m	ft
VK32B-W700-AU1 (½)	700	27 ⁹ / ₁₆	½"	5.6	80.6	1	300 / 11.8	5.76	18.9
VK32B-W1000-AU1 (½)	1000	39 ³ / ₈				2		7.10	23.3
VK32B-W1200-AU1 (½)	1200	47 ¹ / ₄				2		8.02	26.3
VK32B-W1500-AU1 (½)	1500	59 ¹ / ₁₆				3		9.36	30.7
VK32B-W1800-AU1 (½)	1800	70 ⁷ / ₈				4		10.21	33.5
VK32B-W700-AU1 (¾)	700	27 ⁹ / ₁₆	¾"	8.0	115.2	1		2.93	9.6
VK32B-W1000-AU1 (¾)	1000	39 ³ / ₈				2		4.24	13.9
VK32B-W1200-AU1 (¾)	1200	47 ¹ / ₄				2		4.94	16.2
VK32B-W1500-AU1 (¾)	1500	59 ¹ / ₁₆				3		6.80	22.3
VK32B-W1800-AU1 (¾)	1800	70 ⁷ / ₈				4		8.26	27.1

Product Data & Part Numbers | Welded Aluminium Unit (Thick Panel) | VK32B-Wxxx-AU2

Part Number	Hose Assembly Length		Outlet Size	K factor		Max. Number of 90° Bends	Minimum Bend Radius (mm/in)	Equivalent Length of 1" Schedule 40 Steel Pipe (c=120),	
	mm	in		imperial	metric			m	ft
VK32B-W700-AU2 (½)	700	27 ⁹ / ₁₆	½"	5.6	80.6	1	300 / 11.8	5.76	18.9
VK32B-W1000-AU2 (½)	1000	39 ³ / ₈				2		7.10	23.3
VK32B-W1200-AU2 (½)	1200	47 ¹ / ₄				2		8.02	26.3
VK32B-W1500-AU2 (½)	1500	59 ¹ / ₁₆				3		9.36	30.7
VK32B-W1800-AU2 (½)	1800	70 ⁷ / ₈				4		10.21	33.5
VK32B-W700-AU2 (¾)	700	27 ⁹ / ₁₆	¾"	8.0	115.2	1		2.93	9.6
VK32B-W1000-AU2 (¾)	1000	39 ³ / ₈				2		4.24	13.9
VK32B-W1200-AU2 (¾)	1200	47 ¹ / ₄				2		4.94	16.2
VK32B-W1500-AU2 (¾)	1500	59 ¹ / ₁₆				3		6.80	22.3
VK32B-W1800-AU2 (¾)	1800	70 ⁷ / ₈				4		8.26	27.1

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Flexible Sprinkler Hoses | Braided | VK-B, VK-N | Installation Instructions

The flexible sprinkler hoses must be installed by appropriately experienced and trained fitters and all instructions must be followed. Please contact your local Viking office for product training. Failure to follow these instructions may lead to incorrect installation and system function.

These flexible sprinkler hoses are designed to be installed in wet pipe sprinkler systems only and in accordance with recognized sprinkler installation and design regulations such as NFPA 13 and EN12845. The hoses shall be installed indoors only.

The flexible sprinkler hose is designed to provide easy positioning and installation of sprinklers from branch line to the sprinkler within a single compartment and shall not pass from one compartment to another, or through fire separation materials.

Viking does not recommend the use of chemical additives to be used with the flexible sprinkler hose. The sprinkler system designer has a responsibility to verify the suitability for use if chemical additives are used or if the flex hose is exposed to excessive levels of UV, i.e. over natural light limits. The flexible hoses do not carry water authority approvals and should not be directly connected to potable water systems.

Flexible hoses should be inspected regularly in accordance with the requirements of the regulations in place at the installation location.

1. Refer to the relative regulations, codes or standards for guidance and determination of the desirable location for the unit in use commercial ceiling, clean rooms and duct systems, etc.
2. Install the 1" flexible hose nipple (inlet) to the 1" sprinkler branch pipe by normal sealing and tightening procedures. Slip nut, which connects nipple with flexible hose, should be tightened with wrench as excessive force can damage the O-ring inside. (Torque: 123 kgf-cm).
3. Beware of sharp edges and tools, inspect the hose during and after installation for signs of damage to the surface of the flexible hose.
4. Assemble the supplied bracket and square bar, attach the square bar to the T-bar (ceiling support) with supplied bracket and bolts considering the horizontal location of the sprinkler head. At this stage of installation, bolts need to be fastened loosely. (Torque: 27~28 kgf-cm). Select appropriate square bar length in accordance with the spacing between ceiling supports (both main bars and cross bars) is 600mm~1200mm. The "T" shaped beam is assembled with bracket S1 or S2.
5. Bend the flexible hose so that the reducer (outlet) can be reached to the intended sprinkler head position. The flexible hose should be bent axially with smooth bending shape and within minimum installation bending radius according to UL FM (where applicable). Flexible hose should not be twisted in a circumferential direction and the bend must not exceed a 90° angle.
6. For longer flexible hoses, intermediate hose support is recommended to secure the movement of the hoses.
7. Verify that the reducer (outlet) is located in the correct intended position before securing the bracket L2 or L2-2 bolt. Check and adjust the reducer position by moving vertically and horizontally along the square bar. Tighten all the bolts securely and evenly. (Torque: 57~58 kgf -cm).
8. Install the sprinkler head to the reducer (outlet), if necessary, adjust the height and location of the reducer by loosening and tightening the bolt.

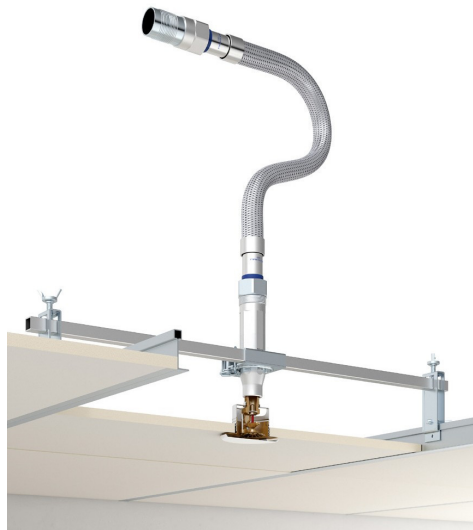


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Flexible Sprinkler Hoses | Braided | S-Flex VK27SB

Fireking S-Flex flexible sprinkler hoses are complete assemblies of braided stainless-steel hoses allowing the fast and easy installation of sprinklers into commercial false ceilings. The hoses are available with FM approval and in a variety of lengths.



Features & Benefits

- Fast installation sprinklers
- Easy to use fittings
- Tighter bend radius than standard flexible hoses (178 mm vs 230 mm)
- Variety of lengths to suit all situations
- Standard 1,000 mm support bar fits most ceiling grids (longer available on demand)
- Increased number of bends vs standard flexible hoses; up to 4 bends allowed
- Low equivalent length values

Product Data & Part Numbers | FM

Part Number*	Length (mm/')	Outlet Size	Minimum Bend Radius (mm/')	Maximum Number of 90° Bends	Equivalent Length of 1"/DN25 Schedule 40 Steel pipe (C=120) (m/ft)					
					K-Factor 5.6/80	K-Factor 8.0/115	K-Factor 11.2/161	K-Factor 14.0/202	K-Factor 16.8/242	K-Factor 25.2/363
S-Flex VK27SB-T700(½B)	700/28	½" / DN15	178/7	2	8.6/28.4	8.5/27.9				
S-Flex VK27SB-T1000(½B)	1000/40			3	13.9/45.8	12.9/42.5				
S-Flex VK27SB-T1200(½B)	1200/48			3	17.5/57.4	15.9/52.5				
S-Flex VK27SB-T1500(½B)	1500/60			4	21.2/69.6	19.8/65.0				
S-Flex VK27SB-T1800(½B)	1800/72			4	24.9/81.8	23.7/77.8				
S-Flex VK27SB-T700(¾B)	700/28	¾" / DN20	178/7	2		8.4/27.6	8.4/27.5	8.3/27.3	8.3/27.2	
S-Flex VK27SB-T1000(¾B)	1000/40			3		12.4/40.8	12.2/39.9	12.0/39.2	11.8/38.6	
S-Flex VK27SB-T1200(¾B)	1200/48			3		15.1/49.6	14.7/48.2	14.4/47.1	14.1/46.1	
S-Flex VK27SB-T1500(¾B)	1500/60			4		19.1/62.7	18.7/61.5	18.4/60.5	18.2/59.6	
S-Flex VK27SB-T1800(¾B)	1800/72			4		23.1/75.8	22.8/74.7	22.5/73.9	22.3/73.1	
S-Flex VK27SB-T700(1B)	700/28	1" / DN25	178/7	2						8.1/26.5
S-Flex VK27SB-T1000(1B)	1000/40			3						10.4/34.0
S-Flex VK27SB-T1200(1B)	1200/48			3						11.9/39.0
S-Flex VK27SB-T1500(1B)	1500/60			4						16.3/53.3
S-Flex VK27SB-T1800(1B)	1800/72			4						20.6/67.6

* Standard Inlet 1" BSPT. For NPT inlet, change suffix to N; e.g. (½B) change to (½N). For 1½" BSPT, change suffix to K; e.g. (½B) change to (½K).

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Flexible Sprinkler Hoses | Braided | S-Flex VK27SB

Product Data & Part Numbers | UL

Part Number*	Length (mm/')	Outlet Size	Minimum Bend Radius (mm/')	Maximum Number of 90° Bends	Equivalent Length of 1"/DN25 Schedule 40 Steel pipe (C=120) (m/ft)	
					m	ft
S-Flex VK27SB-T700(½B)	700/28	½" / DN15	50.8 / 2	3	7.0	23
S-Flex VK27SB-T1000(½B)	1000/40			6	11.0	36
S-Flex VK27SB-T1200(½B)	1200/48			9	19.5	64
S-Flex VK27SB-T1500(½B)	1500/60			11	25.6	84
S-Flex VK27SB-T1800(½B)	1800/72			13	31.7	104
S-Flex VK27SB-T700(¾B)	700/28	¾" / DN20	50.8 / 2	3	7.0	23
S-Flex VK27SB-T1000(¾B)	1000/40			6	14.9	49
S-Flex VK27SB-T1200(¾B)	1200/48			9	18.3	60
S-Flex VK27SB-T1500(¾B)	1500/60			11	26.5	87
S-Flex VK27SB-T1800(¾B)	1800/72			13	33.2	109

* Standard Inlet 1" BSPT. For NPT inlet, change suffix to N; e.g. (½B) change to (½N). For 1½" BSPT, change suffix to K; e.g. (½B) change to (½K).

SPECIFICATIONS

Hose Diameter	26.2mm ID / 26.8mm OD
Hose Assembly Lengths (mm)	700, 1000, 1200, 1500, 1800
Hose Type	Braided Annular Corrugated - Threaded or Welded
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	200psi / 14bar
Inlet Nipple	1"/DN25 BSPT (1" NPT, 1½"/DN32 BSPT, Grooved available on request)
Outlet Reducer	½", ¾", 1" (NPT or BSPT)
Approvals	FM, UL

Product Information | Packaging

Each box of S-Flex hoses contains 10 sets, each of which contains the following:

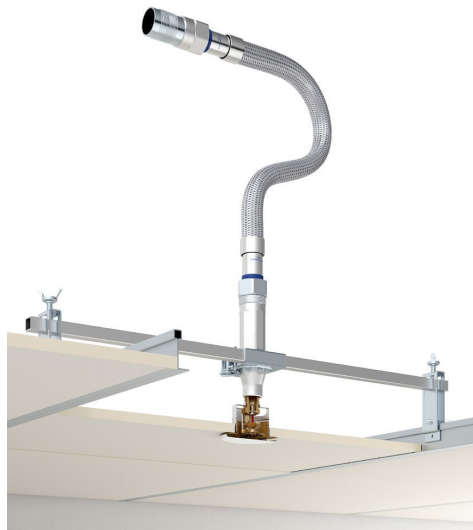
- Flexible hose
- Inlet nipple: DN25 BSP (standard), refer to table below for other sizes
- Outlet Reducer
- Reducer support bracket (clasp type)
- Bar fixing clamp (1 pair)
- Support bar 1,000 mm (1,500 mm option)

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Flexible Sprinkler Hoses | Braided | S-Flex VK32SB

Fireking S-Flex flexible sprinkler hoses are complete assemblies of braided stainless-steel hoses allowing the fast and easy installation of sprinklers into commercial false ceilings. The hoses are available with FM approval and in a variety of lengths.



Features & Benefits

- Fast installation sprinklers
- Easy to use fittings
- Tighter bend radius than standard flexible hoses (178 mm vs 230 mm)
- Variety of lengths to suit all situations
- Standard 1,000 mm support bar fits most ceiling grids (longer available on demand)
- Increased number of bends vs standard flexible hoses; up to 4 bends allowed
- Low equivalent length values

Product Data & Part Numbers | FM

Part Number*	Length (mm/')	Outlet Size	Minimum Bend Radius (mm/')	Maximum Number of 90° Bends	Equivalent Length of 1"/DN25 Schedule 40 Steel pipe (C=120) (m/ft)					
					K-Factor 5.6/80	K-Factor 8.0/115	K-Factor 11.2/161	K-Factor 14.0/202	K-Factor 16.8/242	K-Factor 25.2/363
S-Flex VK32SB-T700(½B)	700/28	½" / DN15	178/7	2	2.6/8.5	2.5/8.3				
S-Flex VK32SB-T1000(½B)	1000/40			3	3.8/12.5	3.8/12.3				
S-Flex VK32SB-T1200(½B)	1200/48			3	4.6/15.2	4.6/15.1				
S-Flex VK32SB-T1500(½B)	1500/60			4	5.8/19.2	5.8/19.1				
S-Flex VK32SB-T1800(½B)	1800/72			4	7.0/23.2	7.0/23.2				
S-Flex VK32SB-T700(¾B)	700/28	¾" / DN20	178/7	2		2.5/8.2	2.5/8.1	2.5/8.1	2.4/8.0	
S-Flex VK32SB-T1000(¾B)	1000/40			3		3.7/12.2	3.7/12.2	3.7/12.2	3.7/12.1	
S-Flex VK32SB-T1200(¾B)	1200/48			3		4.6/15.0	4.6/15.0	4.5/14.9	4.5/14.9	
S-Flex VK32SB-T1500(¾B)	1500/60			4		5.8/19.1	5.8/19.1	5.8/19.0	5.8/19.0	
S-Flex VK32SB-T1800(¾B)	1800/72			4		7.0/23.2	7.0/23.2	7.0/23.1	7.0/23.1	
S-Flex VK32SB-T700(1B)	700/28	1" / DN25	178/7	2						2.3/7.7
S-Flex VK32SB-T1000(1B)	1000/40			3						3.6/11.9
S-Flex VK32SB-T1200(1B)	1200/48			3						4.4/14.7
S-Flex VK32SB-T1500(1B)	1500/60			4						5.7/18.9
S-Flex VK32SB-T1800(1B)	1800/72			4						7.0/23.1

* Standard Inlet 1" BSPT. For NPT inlet, change suffix to N; e.g. (½B) change to (½N). For 1½" BSPT, change suffix to K; e.g. (½B) change to (½K).

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Flexible Sprinkler Hoses | Braided | S-Flex VK32SB

Product Data & Part Numbers | UL

Part Number*	Length (mm/')	Outlet Size	Minimum Bend Radius (mm/')	Maximum Number of 90° Bends	Equivalent Length of 1"/DN25 Schedule 40 Steel pipe (C=120) (m/ft)	
					m	ft
S-Flex VK32SB-T700(½B)	700/28	½" / DN15	50.8 / 2	3	0.3	1.0
S-Flex VK32SB-T1000(½B)	1000/40			6	1.8	6.0
S-Flex VK32SB-T1200(½B)	1200/48			9	3.0	10.0
S-Flex VK32SB-T1500(½B)	1500/60			11	4.6	15.0
S-Flex VK32SB-T1800(½B)	1800/72			13	6.1	20.0
S-Flex VK32SB-T700(¾B)	700/28	¾" / DN20	50.8 / 2	3	2.7	9.0
S-Flex VK32SB-T1000(¾B)	1000/40			6	4.6	15.0
S-Flex VK32SB-T1200(¾B)	1200/48			9	5.8	19.0
S-Flex VK32SB-T1500(¾B)	1500/60			11	7.3	24.0
S-Flex VK32SB-T1800(¾B)	1800/72			13	8.8	29.0

* Standard Inlet 1" BSPT. For NPT inlet, change suffix to N; e.g. (½B) change to (½N). For 1¼" BSPT, change suffix to K; e.g. (½B) change to (½K).

SPECIFICATIONS

Hose Diameter	31.2mm ID / 31.8mm OD
Hose Assembly Lengths (mm)	700, 1000, 1200, 1500, 1800
Hose Type	Braided Annular Corrugated - Threaded or Welded
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	200psi / 14bar
Inlet Nipple	1"/DN25 BSPT (1" NPT, 1¼"/DN32 BSPT, Grooved available on request)
Outlet Reducer	½", ¾", 1" (NPT or BSPT)
Approvals	FM, UL

Product Information | Packaging

Each box of S-Flex hoses contains 10 sets, each of which contains the following:

- Flexible hose
- Inlet nipple: DN25 BSP (standard), refer to table below for other sizes
- Outlet Reducer
- Reducer support bracket (clasp type)
- Bar fixing clamp (1 pair)
- Support bar 1,000 mm (1,500 mm option)



Flexible Sprinkler Hoses | Braided | S-Flex VK40SB

Fireking S-Flex flexible sprinkler hoses are complete assemblies of braided stainless-steel hoses allowing the fast and easy installation of sprinklers into commercial false ceilings. The hoses are available with FM approval and in a variety of lengths.



Features & Benefits

- Fast installation sprinklers
- Easy to use fittings
- Tighter bend radius than standard flexible hoses (178 mm vs 230 mm)
- Variety of lengths to suit all situations
- Standard 1,000 mm support bar fits most ceiling grids (longer available on demand)
- Increased number of bends vs standard flexible hoses; up to 4 bends allowed
- Low equivalent length values

Product Data & Part Numbers

Part Number*	Length (mm/')	Outlet Size	Minimum Bend Radius (mm/')	Maximum Number of 90° Bends	Equivalent Length of 1"/DN25 Schedule 40 Steel pipe (C=120) (m/ft)					
					K-Factor 5.6/80	K-Factor 8.0/115	K-Factor 11.2/161	K-Factor 14.0/202	K-Factor 16.8/242	K-Factor 25.2/363
S-Flex VK40SB-T700(½B)	700/28	½" / DN15	178/7	2	1.0/3.6	1.0/3.3				
S-Flex VK40SB-T1000(½B)	1000/40			3	1.4/4.7	1.3/4.3				
S-Flex VK40SB-T1200(½B)	1200/48			3	1.6/5.5	1.5/5.0				
S-Flex VK40SB-T1500(½B)	1500/60			4	2.0/6.6	1.8/6.1				
S-Flex VK40SB-T1800(½B)	1800/72			4	2.3/7.8	2.2/7.2				
S-Flex VK40SB-T700(¾B)	700/28	¾" / DN20	178/7	2		1.0/3.2	1.0/3.2	0.9/3.1	0.9/3.9	
S-Flex VK40SB-T1000(¾B)	1000/40			3		1.3/4.1	1.2/4.0	1.2/4.0	1.2/3.9	
S-Flex VK40SB-T1200(¾B)	1200/48			3		1.5/4.8	1.4/4.7	1.4/4.6	1.4/4.5	
S-Flex VK40SB-T1500(¾B)	1500/60			4		1.8/5.8	1.7/5.7	1.7/5.5	1.7/5.4	
S-Flex VK40SB-T1800(¾B)	1800/72			4		2.1/6.8	2.0/6.7	2.0/6.5	1.9/6.4	
S-Flex VK40SB-T700(1B)	700/28	1" / DN25	178/7	2						0.8/2.7
S-Flex VK40SB-T1000(1B)	1000/40			3						1.1/3.6
S-Flex VK40SB-T1200(1B)	1200/48			3						1.3/4.4
S-Flex VK40SB-T1500(1B)	1500/60			4						1.5/5.1
S-Flex VK40SB-T1800(1B)	1800/72			4						1.8/6.1

* Standard Inlet 1" BSPT. For NPT inlet, change suffix to N; e.g. (½B) change to (½N). For 1¼" BSPT, change suffix to K; e.g. (½B) change to (½K).

SPECIFICATIONS

Hose Diameter	31.2mm ID / 31.8mm OD
Hose Assembly Lengths (mm)	700, 1000, 1200, 1500, 1800
Hose Type	Braided Annular Corrugated - Threaded or Welded
Hose Material	Stainless Steel 304
Max. Ambient Temperature	107°C / 225°F
Max. Working Pressure	200psi / 14bar
Inlet Nipple	1"/DN25 BSPT (1" NPT, 1¼"/DN32 BSPT, Grooved available on request)
Outlet Reducer	½", ¾", 1" (NPT or BSPT)
Approvals	FM

Product Information | Packaging

Each box of S-Flex hoses contains 10 sets, each of which contains the following:

- Flexible hose
- Inlet nipple: DN25 BSP (standard), refer to table below for other sizes
- Outlet Reducer
- Reducer support bracket (clasp type)
- Bar fixing clamp (1 pair)
- Support bar 1,000 mm (1,500 mm option)

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Flexible Sprinkler Hoses | Braided | S-Flex VK-SB | Installation Instructions

The S-Flex flexible sprinkler hoses must be installed by appropriately experienced and trained fitters and all instructions must be followed. Please contact your local Viking office for product training. Failure to follow these instructions may lead to incorrect installation and system function.

These flexible sprinkler hoses are designed to be installed in wet pipe sprinkler systems only and in accordance with recognized sprinkler installation and design regulations such as NFPA 13 and EN12845. The hoses shall be installed indoors only.

The S-Flex flexible sprinkler hose is designed to provide easy positioning and installation of sprinklers from branch line to the sprinkler within a single compartment and shall not pass from one compartment to another, or through fire separation materials.

Viking does not recommend the use of chemical additives when using the S-Flex flexible sprinkler hose. The sprinkler system designer has a responsibility to verify the suitability for use if chemical additives are used or if the flex hose is exposed to excessive levels of UV, i.e. over natural light limits. The S-Flex flexible hoses do not carry water authority approvals and should not be directly connected to potable water systems.

Flexible hoses should be inspected regularly in accordance with the requirements of the regulations in place at the installation location.

1. Refer to the local installation standards.
2. Install the 1" flexible hose inlet nipple to the sprinkler branch pipe. The hose should be detached from the nipple for this.
3. Attach the hose to the inlet nipple by first hand-tightening the slip nut. Do not apply any sealant between the hose and slip nut connection. Further tighten the slip nut with a 1/4 turn using a wrench (approximately 12 Nm). Excessive force can damage the o-ring inside the slip nut.
4. Assemble the side brackets to the ceiling grid and loosely tighten as shown in Figure 1. Slide the centre bracket onto the support bar and attach the side brackets. To allow for final adjustment, the bracket bolts should be hand tight only at this stage.
5. Bend the hose carefully observing the minimum bend radius so that the outlet reducer is in the correct location relative to the sprinkler location (Figure 2).
6. For a longer flexible hoses (1,200 mm and above), intermediate hose support is recommended to secure the movement of the hose.
7. Install the sprinkler head into the outlet reducer. If sprinkler protective caps are removed during installation, it is recommended to replace them after installation. Caps should be removed at the end of the installation project.
8. Verify that the outlet reducer is located in the correct position and then tighten the bracket by closing the clasp mechanism (Figures 3, 4, 5 and 6). Tighten the side bracket wing bolts.



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

Note: This document contains basic product information only. For more information, contact your local VIKING Sales Representative. Certificates, test reports and approvals may be published in the OEM name. The contents of this publication are subject to change without prior notice. All rights reserved. Images are purely for illustration only. Fireking™ is a trademark of The Viking Corporation.



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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**
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& Adapters
Flow Meter & Proving Pipe
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Fluorine Free Systems Storage Tanks

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- Tank Accessories
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 - Foam Sprinkler / Nozzle
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 - Tank Protection
- Monitor Equipment**
Foam Pump Products
Valves & Accessories

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- ILBP / Balanced Proportioner
 - In-line Eductor
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- Foam Concentrates**
Synthetic Fluorine Free Foam

GAS



CO2

- High Pressure
- Low Pressure

Clean Agent Systems

- FM-200® Systems
- Novec 1230 Systems

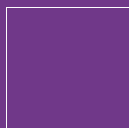
Pre-Engineered Systems

- FM-200® Systems
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Inert Gas Systems

- IG-01
- IG-100
- IG-55
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- Selector Sets
- Manifolds
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- Flow Test
- Flow Meter
- Air Pressure Maintenance Device

- Accessories

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- Addressable
- Conventional
- Extinguishing
- Mimic

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- Heat
- Flame
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