

# Fire Protection Systems Product Catalogue



PENDENT SPRINKLER

DY-3327/DY-3337

Standard Response

Specifications

- All Hazards
- 5 mm bulb



K Factor	K5.6(80), K8.0(115)
Thread size	1/2" NPT (15 mm), 3/4" NPT (20 mm)
Response	Standard Response
Finishes	Brass, Chrome, White
Temperature	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)

DY-3427/DY-3437

Quick Response

Specifications

- All Hazards
- 3 mm bulb



K Factor	K5.6(80), K8.0(115)
Thread size	1/2" NPT (15 mm), 3/4" NPT (20 mm)
Response	Quick Response
Finishes	Brass, Chrome, White
Temperature	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)



## UPRIGHT SPRINKLER

DY-3323/DY-3333

Standard Response

### Specifications

- All Hazards
- 5 mm bulb



K Factor	K5.6(80), K8.0(115)
Thread size	1/2" NPT (15 mm), 3/4" NPT (20 mm)
Response	Standard Response
Finishes	Brass, Chrome
Temperature	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)

DY-3423/DY-3433

Quick Response

### Specifications

- All Hazards
- 3 mm Bulb



K Factor	K5.6(80), K8.0(115)
Thread size	1/2" NPT (15 mm), 3/4" NPT (20 mm)
Response	Quick Response
Finishes	Brass, Chrome
Temperature	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)

## SIDEWALL SPRINKLER

# DY-3329/DY-3339

Standard Response

### Specifications

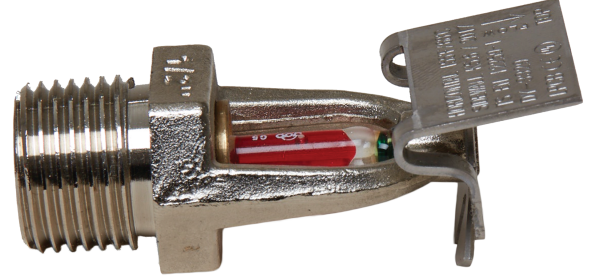
- All Hazards
- 5 mm bulb



Ref. 2831



Cert/LPCB  
Ref. 1402a



K Factor	K5.6(80), K8.0(115)
Thread size	1/2" NPT (15 mm), 3/4" NPT (20 mm)
Response	Standard Response
Finishes	Brass, Chrome, White
Temperature	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)

# DY-3429/DY-3439

Quick Response

### Specifications

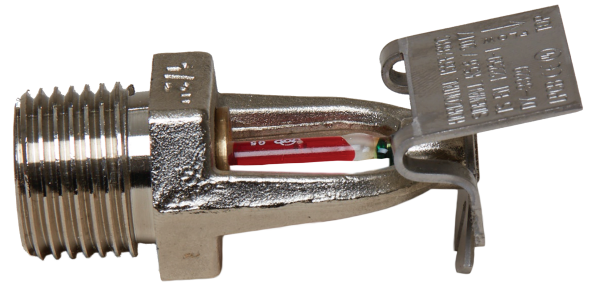
- All Hazards
- 3 mm Bulb



Ref. 2831



Cert/LPCB  
Ref. 1402a



K Factor	K5.6(80), K8.0(115)
Thread size	1/2" NPT (15 mm), 3/4" NPT (20 mm)
Response	Quick Response
Finishes	Brass, Chrome, White
Temperature	57°C(135°F), 68°C(155°F), 79°C(175°F), 93°C(200°F), 141°C(286°F)

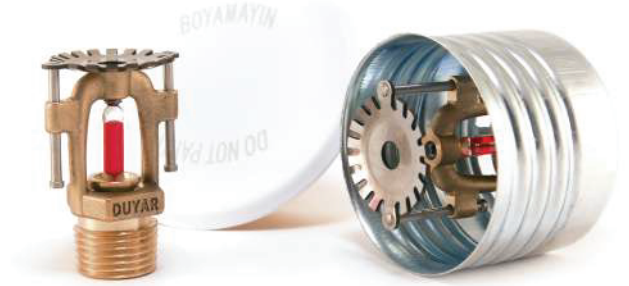
## GİZLİ TİP SPRINKLER

# DY-3428

Quick Response

### Specifications

- Light and Ordinary Hazards
- 3 mm bulb



K Factor	K5.6(80)
Thread size	1/2" NPT (15 mm)
Response	Quick Response
Finishes	Brass
Temperature	57°C(135°F) Sprinkler, 57°C(135°F) Kapak/Cover 68°C(155°F) Sprinkler, 57°C(135°F) Kapak/Cover

# Y-4010

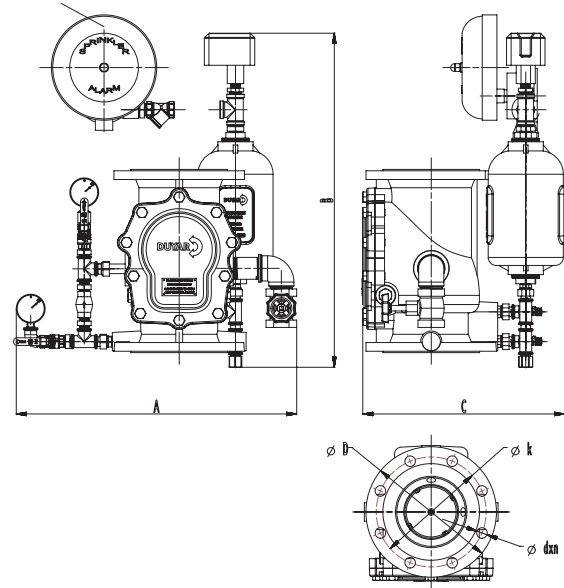
## Specifications

Dimensions	: 2 1/2" - 8" / DN65 - DN200
Nominal Pressure	: 300 psi (20,6 bar)
Working Temperature	: Min. +4°C
Certificate	: FM, UL
Design	: FM 1041, UL 262, TS EN 12259-2
Flange Connection Standard	: EN -1092-2 (PN16) / ANSI
Tests	: FM 1041, UL 193, TS EN 12259-2



The wet alarm valve is designed for applications where the water is unlikely to freeze. The water staying pressurized in the pipes is released over the fire area after the sprinkler is activated due to fire. The pressurized water system is not only fed continuously, but also fills in the retard chamber. After the chamber is filled, the pressure switch on the chamber is actuated. The pressure switch sends the alarm information to the fire warning system or the automation system. After the pressure switch is actuated, the water is delivered to the water-motor gong and releases a mechanical alarm.

- D Specially designed for all wet pipe systems.
- D Due to its sensitive retard chambers it prevents false alarms under different pressures.
- D Trim set for vertical application.
- D Semi-mounted.



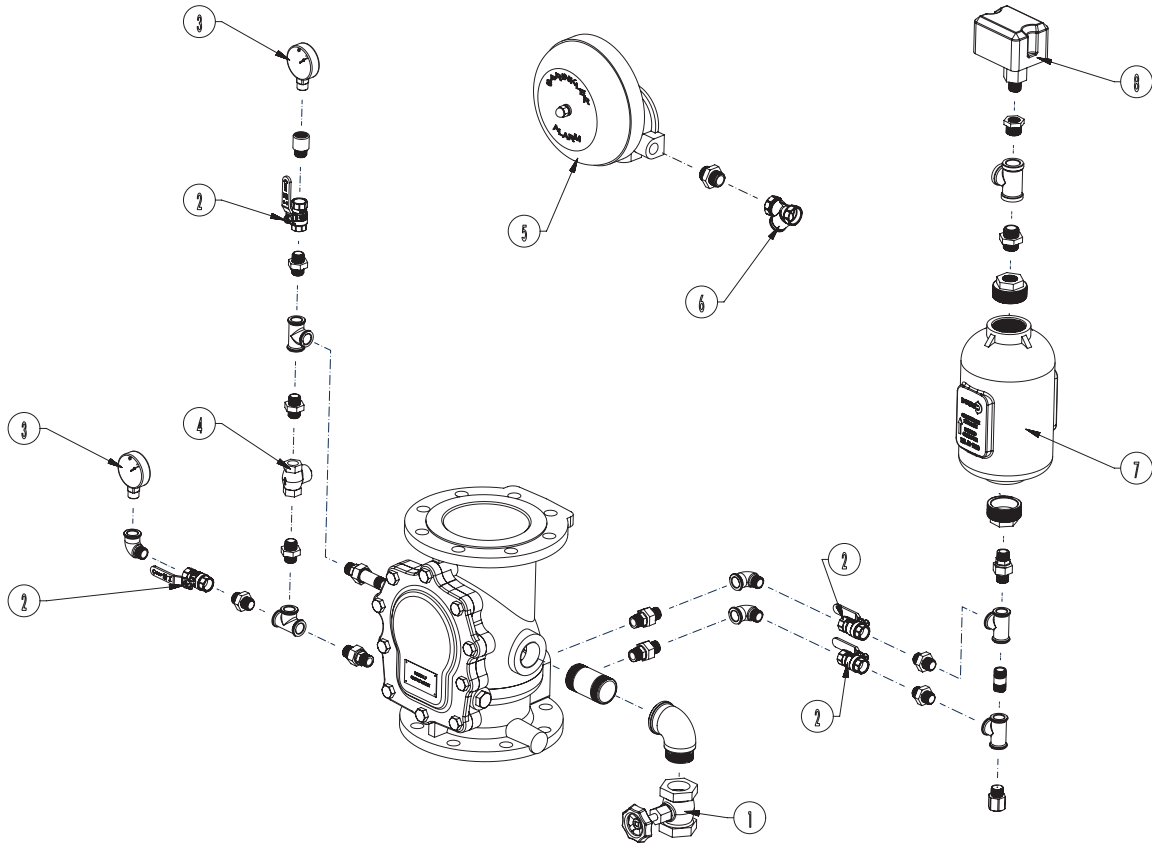
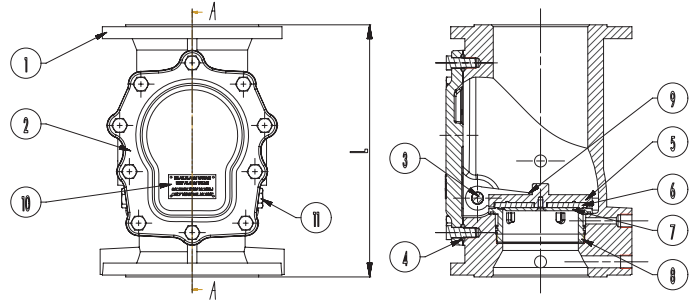
## Dimension

DN	65	80	100	150	200
A	630	630	700	700	800
B	803	803	700	700	800
C	400	450	450	500	600
L	325	325	350	400	480
D	185	200	220	285	340
k	145	160	180	240	295
dxn	19x4	19x8	19x8	23x8	23x12



## Material Specifications

No	Part Name	Material
1	Body	EN JS-1020
2	Bonnet	EN JS-1020
3	Stem	X20Cr13
4	Bonnet Gasket	EPDM
5	Disc	Bronze
6	Disc Gasket	EPDM
7	Disc Washer	EPDM
8	Seat	Bronze
9	Spring	Stainless Steel
10	Label	Aluminum
11	Plug	St - 37



## Material Specifications

No	Parça Adı/Part Name	ADET/Qty
1	Bronze Thread Globe Valve	1
2	1/2" Brass Ball Valve	4
3	0-25 bar Gauge	2
4	1 1/2" Bronze Thread Swing Check Valve	1
5	Gong	1
6	3/4 Brass Thread Strainer	1
7	Retard Chamber	1
8	Switch	1

# Y-4020

## General Specifications

Dimensions: 2 1/2" - 8" / DN65 - DN200

Nominal Pressure: 300 psi (20,6 bar)

Working Temperature: -10°C/+120°C

## Standards

Design: FM 1112, UL 1091

Tests: FM 1112, UL 1091

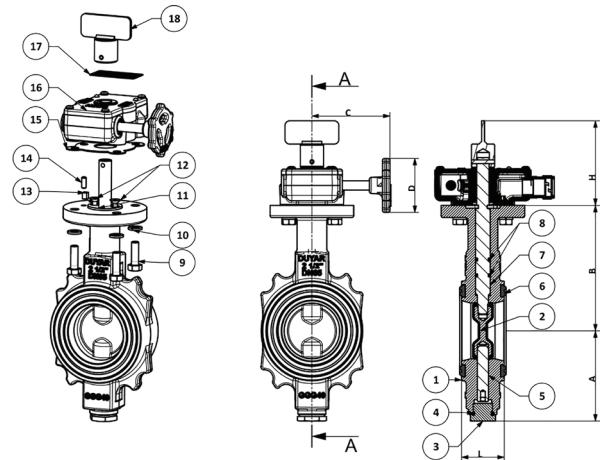


They are defined as local control valves. Generally they are used in water feed lines as interruption valves in order to separate (to control) zones in the location. Butterfly valves or rising stem valves are used in order to shut off or to control the flow. The position of all valves in fire systems should be visible and electrically monitored. This butterfly valve type has a gearbox with handwheel. The supervisory switch is located inside the butterfly valve and includes also an on/off indicator.



## Dimension

Nominal Pressure	21 Bar / 300 Psi						
Nominal Diameter	DN	65	80	100	125	150	200
Dimensions [mm]	A	97	107	117	138	152	178
	B	135	145	152	174,5	188	222
	C	84	84	84	110	110	156
	D	Ø50	Ø50	Ø50	Ø100	Ø100	Ø200
	H	91	91	91	98	98	104
	L	46	46	52	56	56	60
	(ISO 5211) Tepe Flanş	F07	F07	F07	F07	F07	F07
Weight	Kg	5,1	6,9	7,80	11,50	13,60	21,60



## Material Specifications

No	Part Name	Malzeme/Material
1	Body	DUCTILE IRON
2	Clapper	DUCTILE IRON+EPDM
3	Oring Nut	ST-40 JAN JAN ZINC COATED
4	Oring	EPDM
5	Lower Stem	AISI 304
6	Flange Gasket	EPDM
7	Upper Stem	AISI 304
8	Oring	EPDM
9	Bolt	STEEL GALVANIZED
10	Spring Lock Washers	DIN 127 M8
11	Preventing Plate	ST-37
12	Bolt	STEEL GALVANIZED
13	Key	ALUMINIUM
14	Set Screw	STAINLESS STEEL
15	Gasket	EPDM
16	Gear Box	
17	Name Plate	STAINLESS STEEL
18	Indicator	STEEL (AISI A 252)

# Y-4030

## General Specifications

Dimensions: 1" - 2" / DN25 - DN50

Orifice Diameter: K-5.6, K-8.0, K11.2, K-14.0

Nominal Pressure: 300 psi (20,6 bar)

Working Temperature: -10°C/+120°C

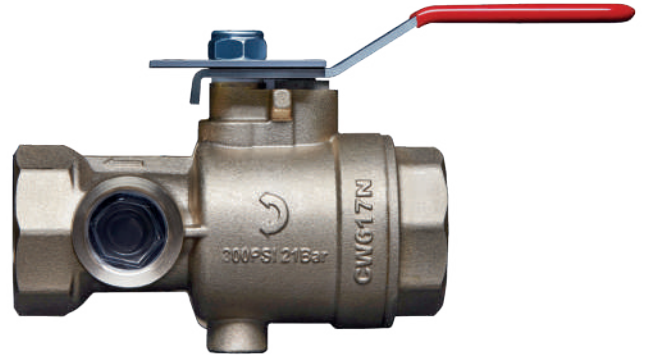
## Standards

Certificate: UL\*, FM\*

Design: FM 1625-2009, UL258-2004

Thread Design: ISO 228/1, NPT, NPS, BSP

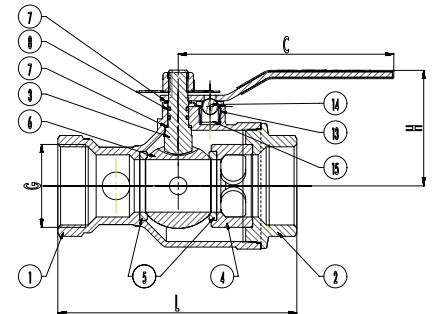
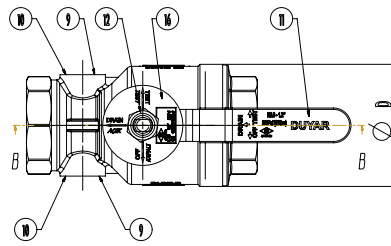
Tests: FM 1625-2009, UL258-2004



Test and drain valve is used to conduct testing and maintenance on sprinkler systems. Thanks to its orifice available with different sizes it creates a flow equivalent to the flow passing along one sprinkler only and enables tests of alarm devices on the lines for checking purposes in the case of a sprinkler water flow. The orifice diameters of the smallest sprinkler and the test drain valve in the system should be equal. It is also used as a drain valve to discharge water in the piping by changing the position of the valve. It includes a sight glass to observe the flow.

## Dimension

Nominal Pressure	300 psi (20,7 bar)		
Nominal Pressure	DN	25-32	40-50
Valve Dimensions	G	1" - 1 1/4"	1 1/2" - 2"
	L	133	173
	C	126	156
	H	65	84
	D	60	92
Weight	KG.	1.4/1.3	3.5/3



## Malzeme Özellikleri Material Specifications

No	Parça Adı/Part Name	Adet/Qty	Malzeme/Material
1	Body	1	CW617N/ Brass
2	Bonnet	1	CW617N/ Brass
3	Stem	1	AISI-304/ Stainless Steel
4	Bonnet Extension	1	CW617N/ Brass
5	Ball Seat	2	PTFE
6	Ball	1	CW617N/ Brass
7	Stem Seal	2	PTFE
8	O-Ring Seal	2	EPDM
9	Sight Glass	2	Akrilik/ Acrylic
10	Sight Glass Gasket	2	EPDM
11	Lever	1	St37/ Steel (Vinyl Coated)
12	Nut With Fiber	1	6.8/Steel
13	Bearing Ball Centering	1	C-1040/Steel
14	Bearing Ball	1	AISI-304/ Stainless Steel
15	Spring	1	AISI-302 S. S/ Spring Steel
16	Label Plate	1	AISI-304/ Stainless Steel

\* K-5.6, K-8.0 orifice diameter are UL listed and FM approved.

# Y-3005

## General Specifications

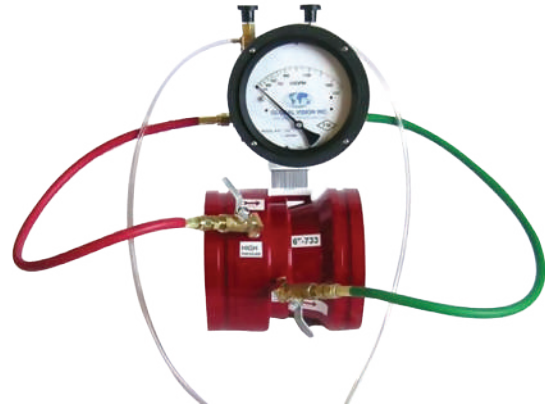
Dimensions: 2 1/2" - 8" / DN65 - DN200

Nominal Pressure: 500 psi (35,0 bar)

Working Temperature: -20°C/+80°C

## Standards

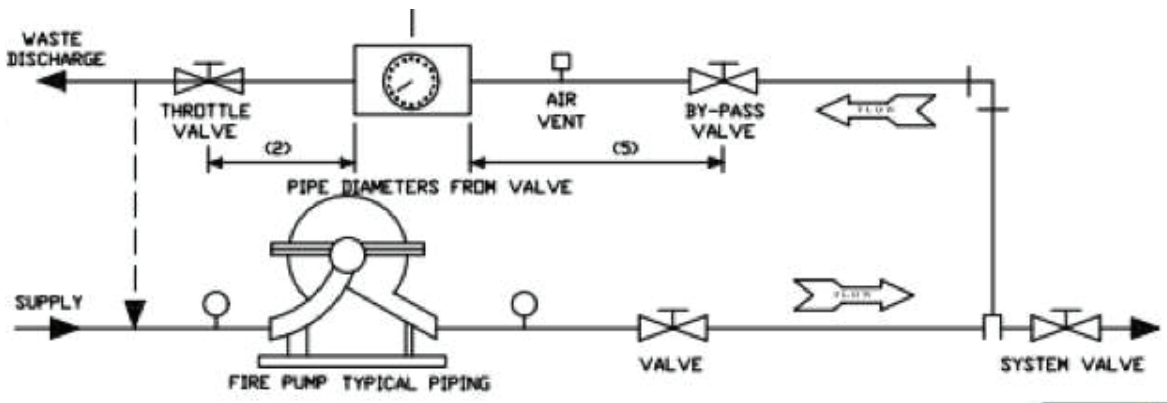
Certificate: FM



It is used for periodical control of the pump systems whether the desired flow rate is achieved. The flow meter is usually mounted between check valve and OS&Y valve in pump discharge lines. The diameter of the flowmeter is determined by the pump flow.



## Assembly Detail



No	Pipe Diameter	Pump Flow	Measuring Range	Measuring Range	Model
		GPM	Min.-MAX.	Min.-MAX.	Number
			GPM	Lt/Dk	
1	2 1/2"	100	50 - 200	189 - 757	2 1/2"-100-B
2	3"	200	100 - 400	379 - 1.514	3"-200-B
3	4"	450	225 - 900	852 - 3.407	4"-450-B
4	5"	750	375 - 1.500	1.420 - 5.678	5"-750-B
5	6"	1.000	500 - 2.000	1.983 - 7.570	6"-1.000-B
6	6"	1.250	625 - 2.500	2.366 - 9.462	6"-1.250-B
7	8"	3.000	1.500 - 6.000	5.6778 - 22.712	8"-3.000-B



# T-1425

## General Specifications

Dimensions: 2 1/2" - 8" / DN65 - DN200

Nominal Pressure: 175 psi (12,1 bar)

Working Temperature: -10°C/+120°C

## Standards

Certificate: UL, FM

Design: FM 1120/1130, UL 262

Flange Connection Standard: EN -1092-2 (PN16) / ANSI

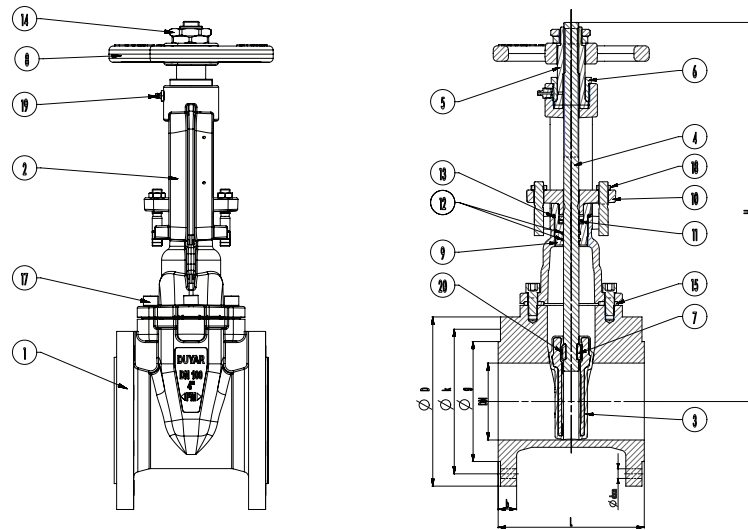
Tests: FM 1120/1130, UL 262



They are defined as local control valves. Generally they are used in water feed lines as interruption valves in order to separate (to control) zones in the location. Butterfly valves or rising stem valves are used in order to shut off or to control the flow. The OS&Y valve in full open position is a type of gate valve that does not hinder the flow; the open position enables the observation of the pin moving up and down and allows for electrical tracking with a tracking (supervisory) switch. Compared to a butterfly valve it has less hydraulic losses.

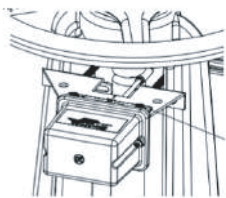
## Dimension

Nominal Pressure	PN	175 psi (12 bar)				
Nominal Pressure	DN	65	80	100	150	200
Valve Dimensions	L	170	180	190	210	230
	H min.	395	440	490	625	785
	H max.	460	520	590	775	985
Flange Dimensions	D	185	200	220	285	340
	k	145	160	180	240	295
	g	118	132	156	211	266
	b	20	22	24	26	30
	d	19			23	
Hole Qty	n	4	8			12
Weight	Kg.	20	24	30	58	106



### Material Specifications

No	Part Name	Adet/Qty	Malzeme/Material
1	Body	1	EN JS-1020
2	Bonnet	1	EN JS-1020
3	Wedge (EPDM Coated)	1	EN JS-1020
4	Stem	1	X20Cr13 (420)
5	Yoke Nut	1	CW617N/ Brass
6	Lock Nut	1	CW617N/ Brass
7	Wedge Nut	1	X5CrNi18-10 (304)
8	Handwheel	1	EN JS-1020
9	Packing Supporter	1	CW617N/ Brass
10	Packing Glend	1	EN JS-1020
11	Packing	Min.3	Graphite
12	Stem O-Ring	2	EPDM
13	Washer	1	PTFE
14	Handwheel Nut	2	CW617N/ Brass
15	Bonnet O-Ring	1	EPDM
16	Glend Bolt	2	Steel 8.8
17	Bonnet Bolt	6	Steel 8.8
18	Glend Bolt Nut	2	Steel 8.8
19	Grease Nipple	1	Steel
20	Wedge Nut Bolt	1	Steel 8.8



### OS&Y Supervisort Switch

# Y-3008

#### General Specifications

Dimensions: 2"-12"

Working Temperature: -40°C/+60°C

Sizes: 15,7 cm L x 5,7 cm W x 14,6 cm H

#### Standards

Certificate: UL, FM, CE

The OS&Y rising stem gate valve uses the supervisory switch to monitor open/closed positions. With opening or closing of the valve, the switch detects the movement of the stem and transmits a signal electrically

Y-4040

**General Specifications**

Dimensions: 2 1/2" - 8" / DN65 - DN200

Nominal Pressure: 300 psi (20,6 bar)

Working Temperature: -10°C/+120°C

**Standards**

Certificate: UL, FM

Design: FM 1120/1130, UL 262

Flange Connection Standard: EN -1092-2 (PN16) / ANSI

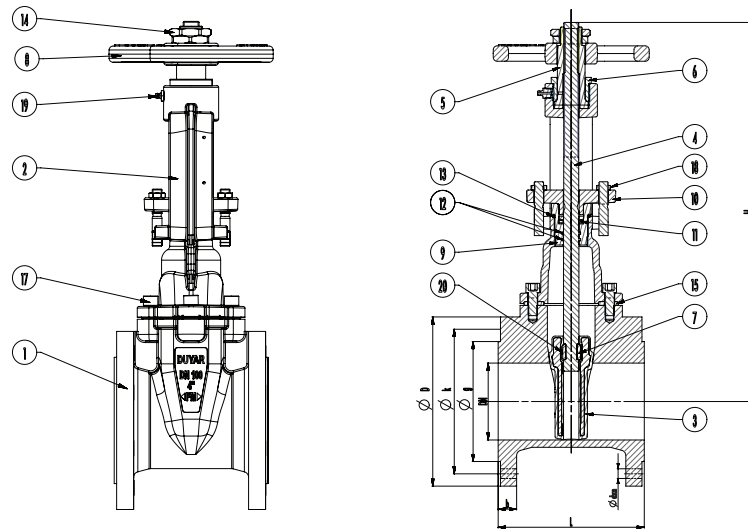
Tests: FM 1120/1130, UL 262



They are defined as local control valves. Generally they are used in water feed lines as interruption valves in order to separate (to control) zones in the location. Butterfly valves or rising stem valves are used in order to shut off or to control the flow. The OS&Y valve in full open position is a type of gate valve that does not hinder the flow; the open position enables the observation of the pin moving up and down and allows for electrical tracking with a tracking (supervisory) switch. Compared to a butterfly valve it has less hydraulic losses.

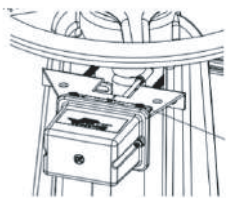
**Dimension**

Nominal Pressure	PN	300 psi (12 bar)				
Nominal Pressure	DN	65	80	100	150	200
Valve Dimensions	L	170	180	190	210	230
	H min.	395	440	490	625	785
	H max.	460	520	590	775	985
Flange Dimensions	D	185	200	220	285	340
	k	145	160	180	240	295
	g	118	132	156	211	266
	b	20	22	24	26	30
	d	19			23	
Hole Qty	n	4	8			12
Weight	Kg.	20	24	30	58	106



### Material Specifications

No	Part Name	Adet/Qty	Malzeme/Material
1	Body	1	EN JS-1020
2	Bonnet	1	EN JS-1020
3	Wedge (EPDM Coated)	1	EN JS-1020
4	Stem	1	X20Cr13 (420)
5	Yoke Nut	1	CW617N/ Brass
6	Lock Nut	1	CW617N/ Brass
7	Wedge Nut	1	X5CrNi18-10 (304)
8	Handwheel	1	EN JS-1020
9	Packing Supporter	1	CW617N/ Brass
10	Packing Glend	1	EN JS-1020
11	Packing	Min.3	Graphite
12	Stem O-Ring	2	EPDM
13	Washer	1	PTFE
14	Handwheel Nut	2	CW617N/ Brass
15	Bonnet O-Ring	1	EPDM
16	Glend Bolt	2	Steel 8.8
17	Bonnet Bolt	6	Steel 8.8
18	Glend Bolt Nut	2	Steel 8.8
19	Grease Nipple	1	Steel
20	Wedge Nut Bolt	1	Steel 8.8



## OS&Y Supervisort Switch

# Y-3008

### General Specifications

Dimensions: 2"-12"

Working Temperature: -40°C/+60°C

Sizes: 15,7 cm L x 5,7 cm W x 14,6 cm H

### Standards

Certificate: UL, FM, CE

The OS&Y rising stem gate valve uses the supervisory switch to monitor open/closed positions. With opening or closing of the valve, the switch detects the movement of the stem and transmits a signal electrically

Y-4045

**General Specifications**

Dimensions: 10" - 12"/DN250 - DN300

Nominal Pressure: 300 psi (20,6 bar)

Working Temperature: -10°C/+120°C

**Standards**

Certificate: FM

Design: FM 1120/1130, UL 262

Flange Connection Standard: EN -1092-2 (PN16) / ANSI

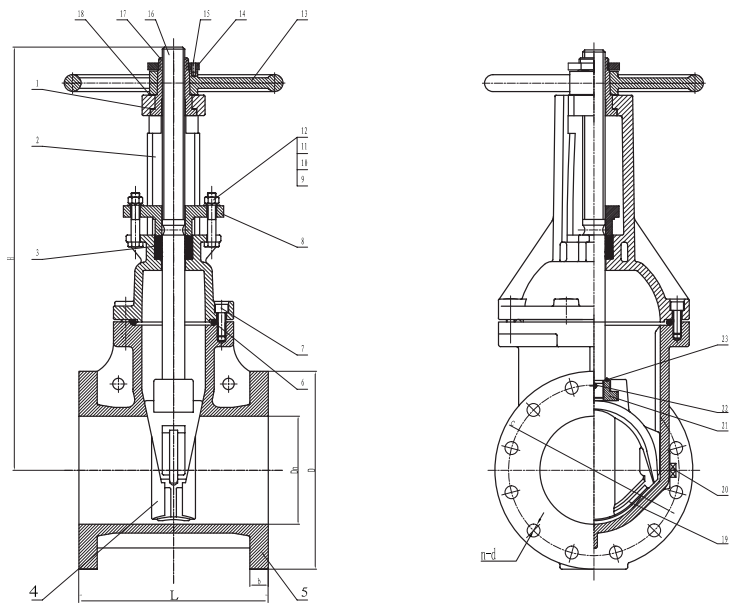
Tests: FM 1120/1130, UL 262



They are defined as local control valves. Generally they are used in water feed lines as interruption valves in order to separate (to control) zones in the location. Butterfly valves or rising stem valves are used in order to shut off or to control the flow. The OS&Y valve in full open position is a type of gate valve that does not hinder the flow; the open position enables the observation of the pin moving up and down and allows for electrical tracking with a tracking (supervisory) switch. Compared to a butterfly valve it has less hydraulic losses.

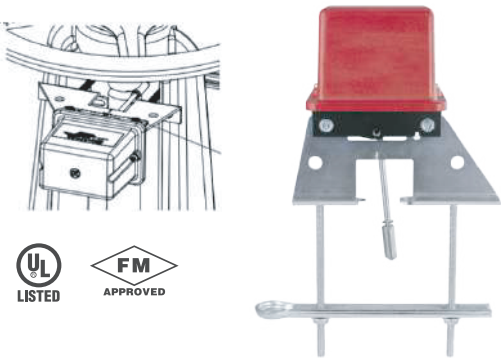
**Material Specifications**

No	Part Name	Material
1	Gasket	C95400
2	Bonnet	Ductile Iron
3	Packing	Ptfe
4	Disc	Ductile Iron+Epdm
5	Body	Ductile Iron
6	Sealing Ring	EPDM
7	Bol	Steel
8	Gland	Ductile Iron
9	Nut	Steel
10	Flat Washer	Steel
11	Bol	Steel
12	Spring Washer	Steel
13	Handwheel	Ductile Iron
14	Lock Nut	C95400
15	Locating Scre	SS304
16	Ste	SS304
17	tem Nu S	C95400
18	Gasket	C95400
19	Skeleton	Ductile Iron
20	Plug	C95400
21	Lifting Nut	CF8M
22	Pin	SS304
23	Sealing Ring	EPDM



Dimension

PN	300 psi (20,6 bar)	
DN	250	300
L	330	356
D	406	483
b	30.2	31.8
c	355	410
n-d	12-ø28	12-ø28
H	881	1021



OS&Y Supervisort Switch

Y-3008

**General Specifications**  
Dimensions: 2"-12"  
Working Temperature: -40°C/+60°C  
Sizes: 15,7 cm L x5,7 cm W x14,6 cm H

**Standards**  
Certificate: UL, FM, CE

The OS&Y rising stem gate valve uses the supervisory switch to monitor open/closed positions. With opening or closing of the valve, the switch detects the movement of the stem and transmits a signal electrically

Y-3003

#### General Specifications

Dimensions: 2" - 8" / DN50-DN200

Nominal Pressure: 450 psi (31 bar)

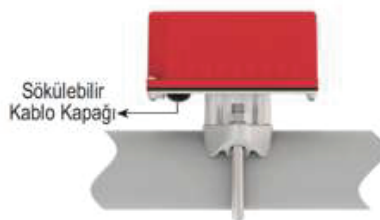
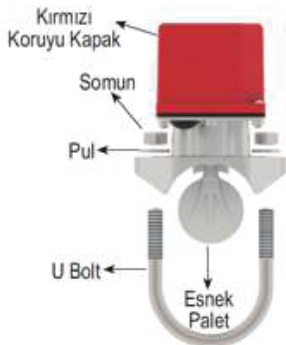
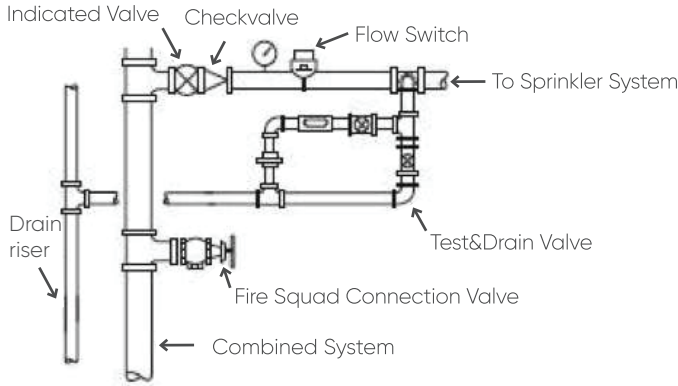
Working Temperature: +4,5°C/+50°C



They are used in sprinkler system to transmit electrical information due to the flow, when a sprinkler head gets activated. Delay units are available to prevent false alarms.



#### Assembly Detail



## Y-3004

### General Specifications

Dimensions: 1" - 2" (VSR-S), 2" - 8" (VSR)

Nominal Pressure: 450 psi (31 bar)

Working Temperature: +4°C / +49°C

Flow Sensitivity: 4 - 10 GPM

### Standards

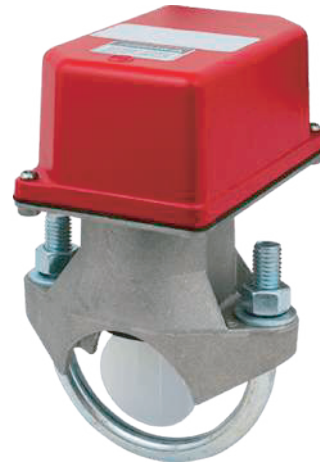
Certificate: UL, FM, VDS, LPCB, CE



Ref. 2831



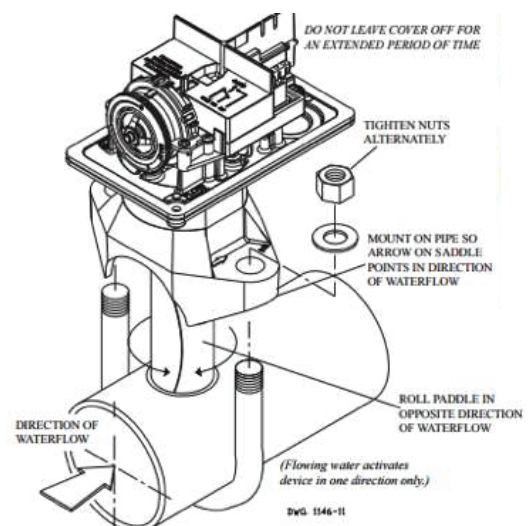
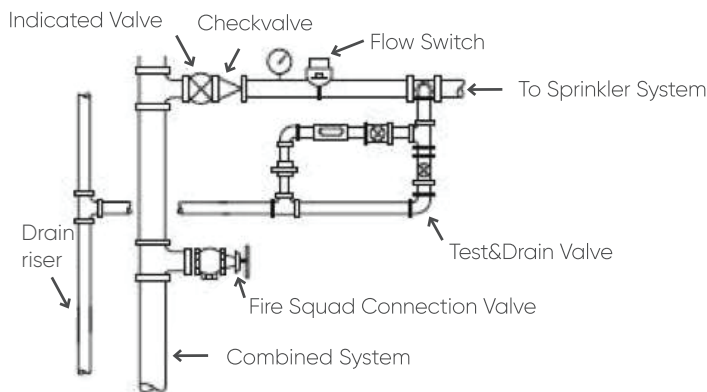
Cert/LPCB  
Ref. 1402a



They are used in sprinkler system to transmit electrical information due to the flow, when a sprinkler head gets activated. Delay units are available to prevent false alarms.



### Assembly Detail







Office:  
Vinilon Building, 8th Floor Jl. Raden Saleh Kav. 13-17  
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