



# Deluge Valves



WATER CANNON

| FIRE SPRINKLERS

| WATER CURTAIN

# Deluge Valves

## Choosing a Deluge Valve

	ACTUATION	HYDRAULIC	PNEUMATIC
STANDARD	MANUAL	-UA (Page 3) -UB (Page 4)	-UD (Page 6)
	SOLENOID	-UP (Page 9)	-UR (Page 10)
LATCHING	MANUAL	-UBL (Page 4) -UC (Page 5)	-UDL (Page 6)
	SOLENOID	-UPL (Page 9)	-URL (Page 10)
REGULATING	MANUAL	-UBR (Page 4)	-UDR (Page 6)
	SOLENOID	-UPR (Page 9)	-URR (Page 10)
LATCHING REGULATOR	MANUAL	-UBRL (Page 4)	-UDRL (Page 6)
	SOLENOID	-UPRL (Page 9)	-URRL (Page 10)
FAIL LAST POSITION	STANDARD	-UT (Page 11)	-UU (Page 11)
	REGULATING	-UTR (Page 11)	-UUR (Page 11)
FAIL SAFE	SINGLE	-UO-FS1 (Page 7)	-UQ-FS1 (Page 8)
	DOUBLE	-UO-FS2 (Page 7)	-UQ-FS2 (Page 8)

# Deluge Valves

## Model 100G-UA



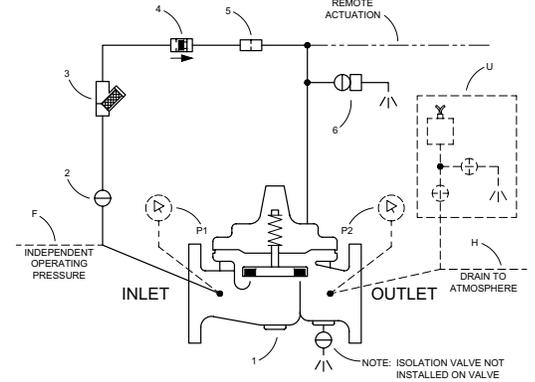
Hydraulically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Emergency Deluge Valve Release

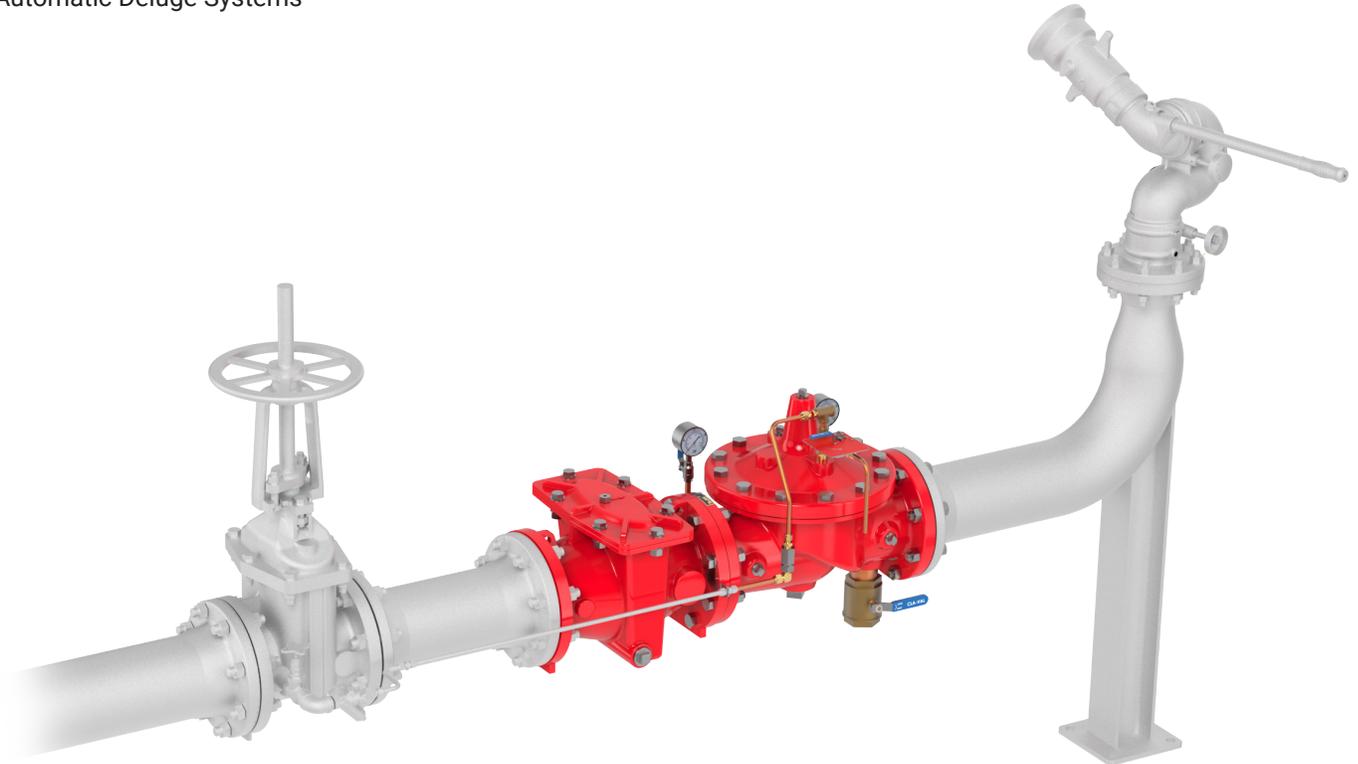
### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Typical Applications

- Hydraulically Operated Systems
- Manual Actuation Systems
- Foam Applications
- Automatic Deluge Systems



# Deluge Valves

## Model 100G-UB



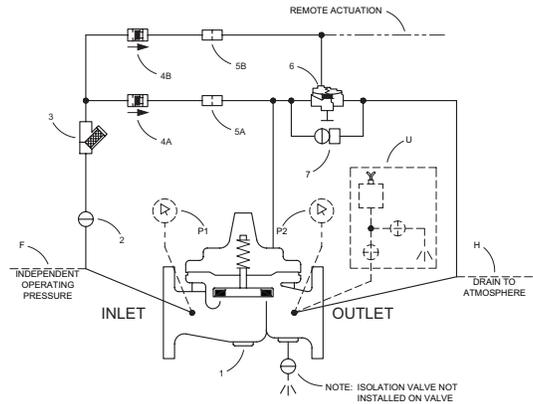
Hydraulically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Hytrol
7	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UBR



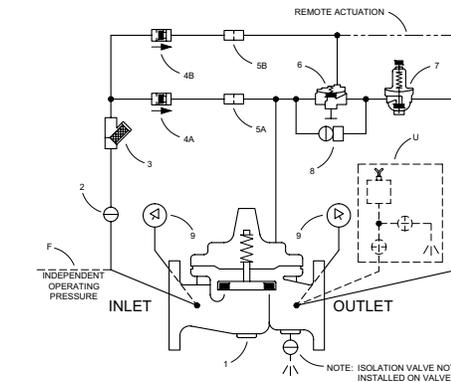
Hydraulically actuated on/off **regulating** deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Hytrol (Rev. Flow)
7	Pressure Reducing Control
8	Emergency Deluge Valve Release
9	Pressure Gauge Assembly

### Optional Features

Item	Description
F	Independent Operating Pressure
U	Pressure Switch Assembly



## Model 100G-UBL



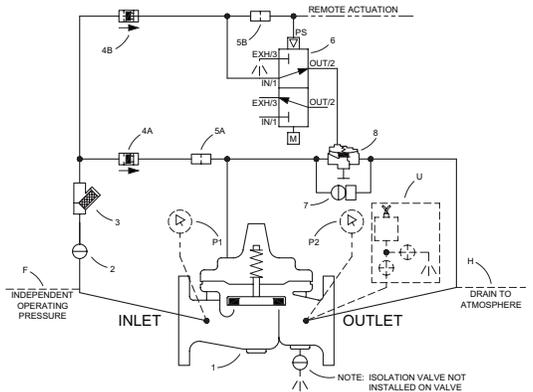
Hydraulically actuated on/off **latching** deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Latching Deluge Pilot
7	Emergency Deluge Valve Release
8	Auxiliary Hytrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UBRL



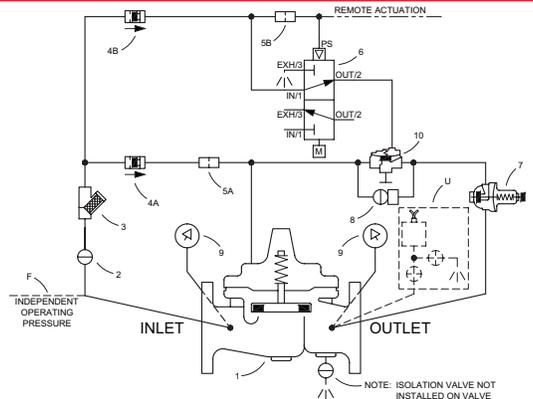
Hydraulically actuated on/off **regulating** deluge valve with **latching** pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Latching Deluge Pilot
7	Pressure Reducing Control
8	Emergency Deluge Valve Release
9	Pressure Gauge Assembly
10	Auxiliary Hytrol (Rev. Flow)

### Optional Features

Item	Description
F	Independent Operating Pressure
U	Pressure Switch Assembly



# Deluge Valves

## Model 100G-UC



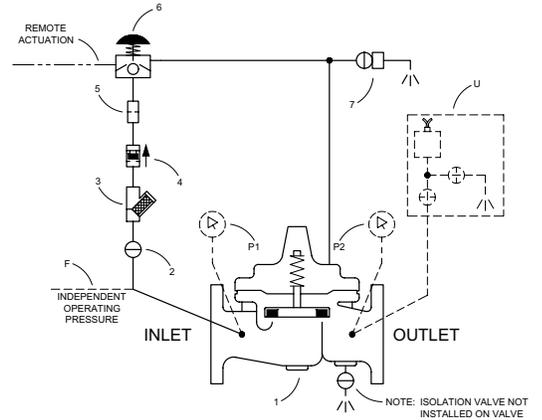
Hydraulically actuated on/off latching deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Manual Reset Pilot
7	Emergency Deluge Valve Release

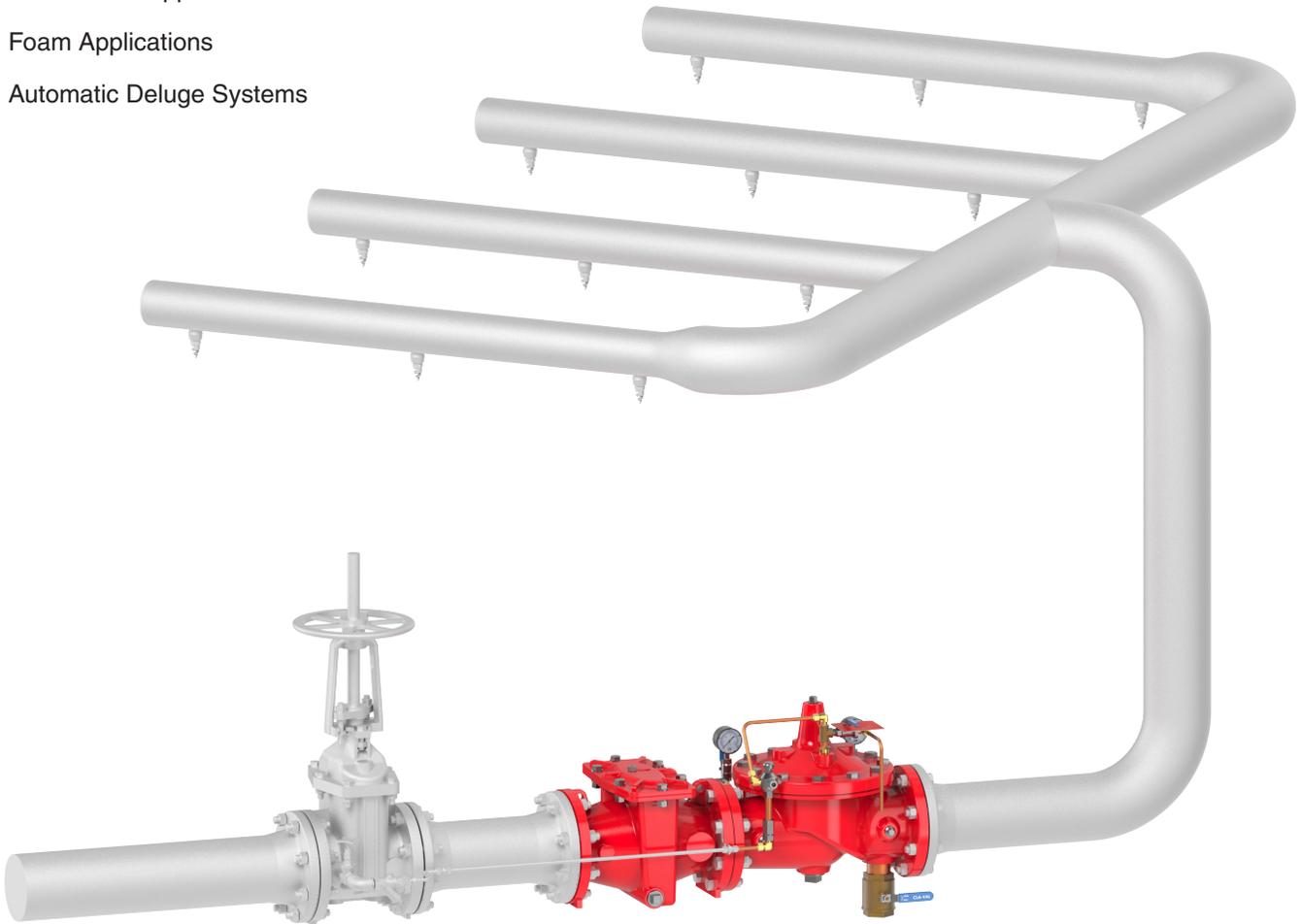
### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Typical Applications

- Hydraulically Operated Systems
- Local Reset Applications
- Foam Applications
- Automatic Deluge Systems



# Deluge Valves

## Model 100G-UD



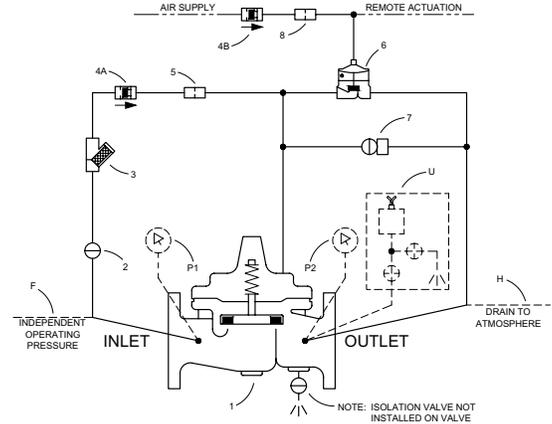
Pneumatically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Powertrol
7	Emergency Deluge Valve Release
8	Restriction Fitting

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UDR



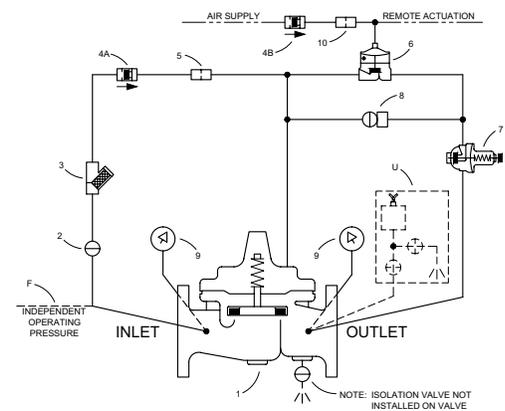
Pneumatically actuated on/off **regulating** deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Powertrol
7	Pressure Reducing Control
8	Emergency Deluge Valve Release
9	Pressure Gauge Assembly
10	Restriction Fitting

### Optional Features

Item	Description
F	Independent Operating Pressure
U	Pressure Switch Assembly



## Model 100G-UDL



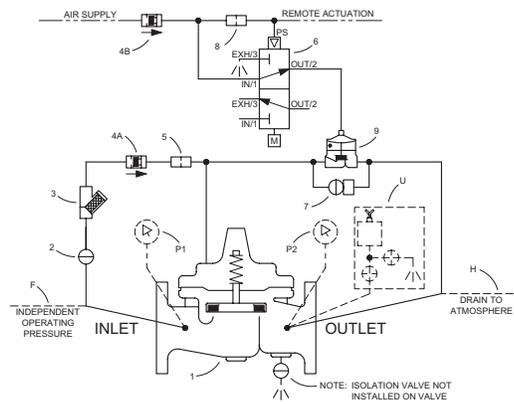
Pneumatically actuated on/off **latching** deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Latching Deluge Pilot
7	Emergency Deluge Valve Release
8	Restriction Fitting
9	Auxiliary Powertrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UDRL



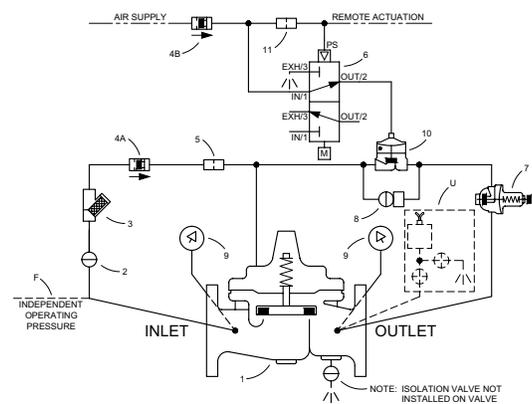
Pneumatically actuated on/off **regulating** deluge valve with **latching** pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Latching Deluge Pilot
7	Pressure Reducing Control
8	Emergency Deluge Valve Release
9	Pressure Gauge Assembly
10	Auxiliary Powertrol
11	Restriction Fitting

### Optional Features

Item	Description
F	Independent Operating Pressure
U	Pressure Switch Assembly



# Deluge Valves

## Model 100G-UO



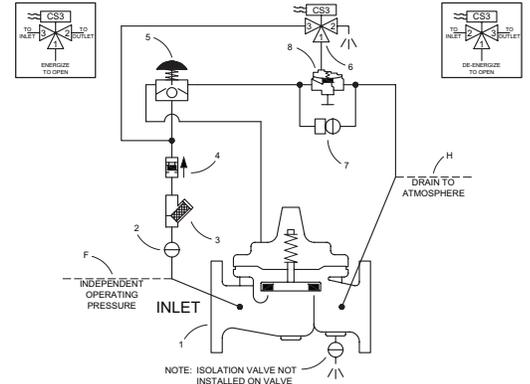
Electrically actuated hydraulic on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer & Orifice Assembly
4	Check Valve
5	Manual Reset Pilot
6	Solenoid Control
7	Emergency Deluge Valve Release
8	Auxiliary Hytrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere



## FAILSAFE OPTIONS

### Model 100G-UO-FS1



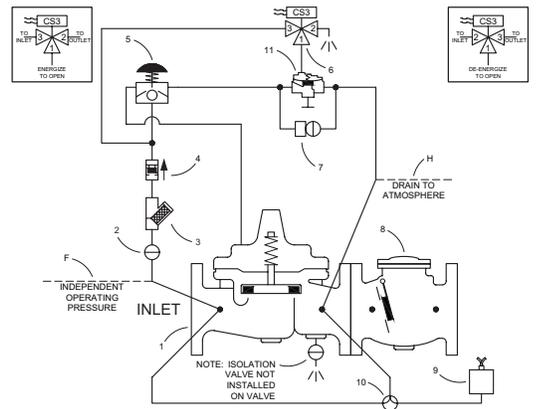
**Single** Fail Safe electrically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Manual Reset Pilot
6	Solenoid Control
7	Emergency Deluge Valve Release
8	Swing Check
9	Pressure Switch
10	CK3 Cock
11	Auxiliary Hytrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere



### Model 100G-UO-FS2



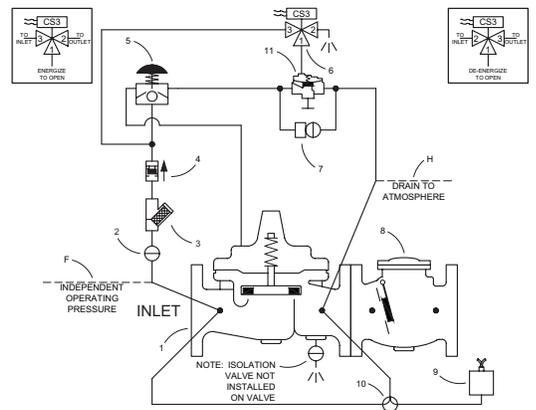
**Double** Fail Safe electrically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Manual Reset Pilot
6	Solenoid Control
7	Emergency Deluge Valve Release
8	Swing Check
9	Pressure Switch
10	CK3 Cock
11	Auxiliary Hytrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere



# Deluge Valves

## Model 100G-UQ



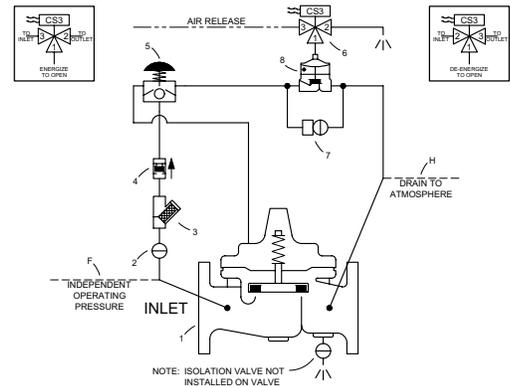
Electrically actuated pneumatic on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer & Orifice Assembly
4	Check Valve
5	Manual Reset Pilot
6	Solenoid Control
7	Emergency Deluge Valve Release
8	Auxiliary Powertrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere



## FAILSAFE OPTIONS

### Model 100G-UQ-FS1



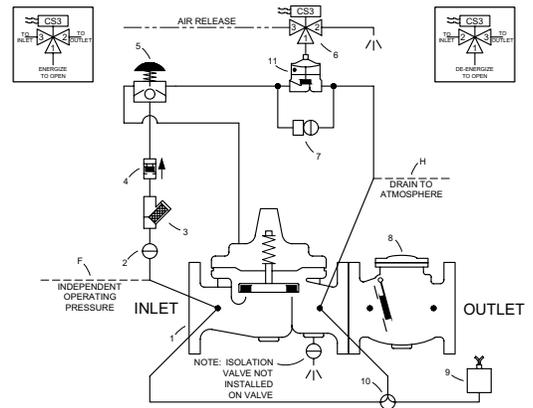
**Single** Fail Safe electrically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Manual Reset Pilot
6	Solenoid Control
7	Emergency Deluge Valve Release
8	Swing Check
9	Pressure Switch
10	CK3 Cock
11	Auxiliary Powertrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere



### Model 100G-UQ-FS2



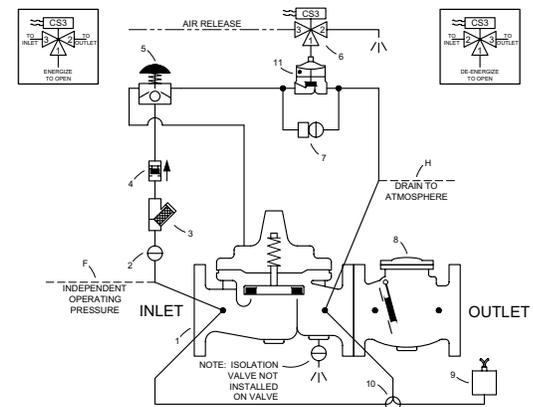
**Double** Fail Safe electrically actuated on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Manual Reset Pilot
6	Solenoid Control
7	Emergency Deluge Valve Release
8	Swing Check
9	Pressure Switch
10	CK3 Cock
11	Auxiliary Powertrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere



# Deluge Valves

## Model 100G-UP



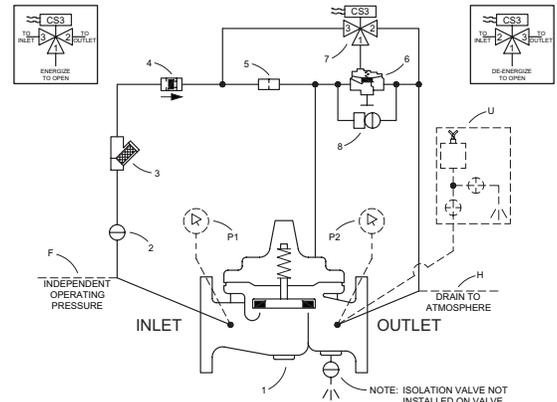
Electrically actuated hydraulic on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Fitting
6	Auxiliary Hytrol
7	Solenoid Control
8	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UPR



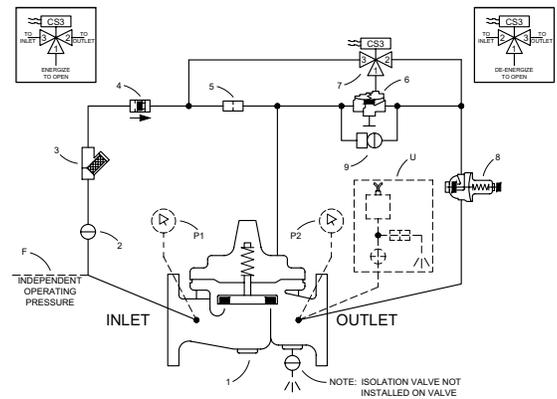
Electrically actuated hydraulic on/off regulating deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Fitting
6	Auxiliary Hytrol (Rev. Flow)
7	Solenoid Control
8	Pressure Reducing Control
9	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UPL



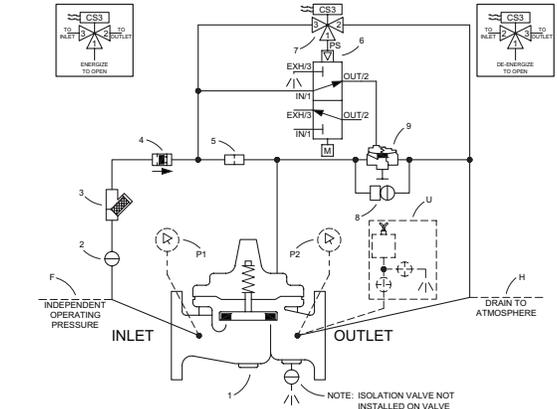
Electro hydraulic actuated on/off latching deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Fitting
6	Latching Deluge Pilot
7	Solenoid Control
8	Emergency Deluge Valve Release
9	Auxiliary Hytrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UPRL



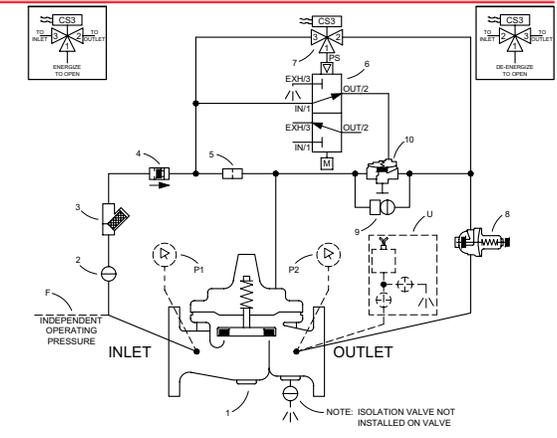
Electrically actuated hydraulic on/off regulating deluge valve with latching pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Fitting
6	Latching Deluge Pilot
7	Solenoid Control
8	Pressure Reducing Control
9	Emergency Deluge Valve Release
10	Auxiliary Hytrol (Rev. Flow)

### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UR



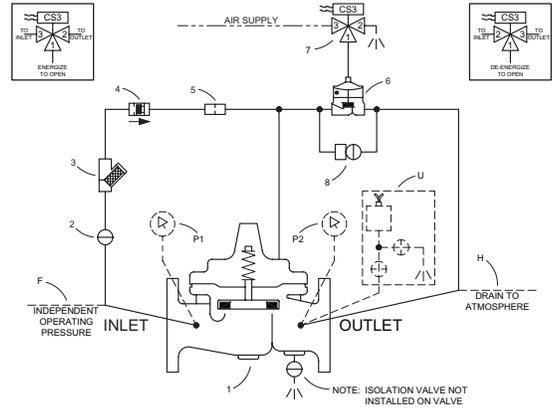
Electrically actuated pneumatic on/off deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Powertrol
7	Solenoid Control
8	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-URR



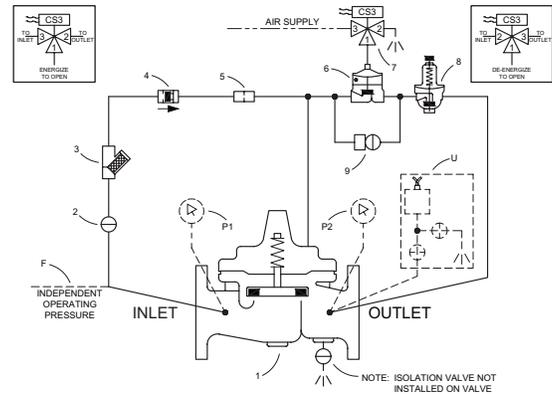
Electrically actuated pneumatic on/off **regulating** deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Powertrol
7	Solenoid Control
8	Pressure Reducing Control
9	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-URL



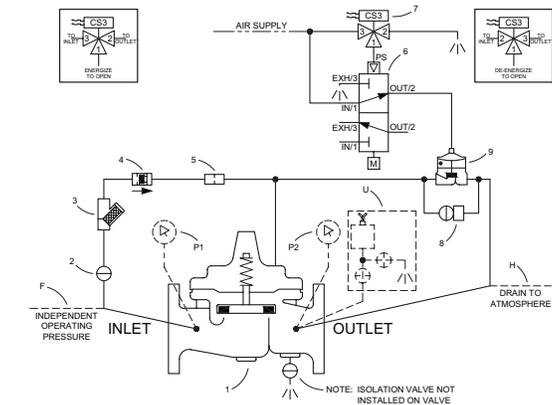
Electrically actuated pneumatic on/off **latching** deluge valve designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Assembly
6	Latching Deluge Pilot
7	Solenoid Control
8	Emergency Deluge Valve Release
9	Auxiliary Powertrol

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-URRL



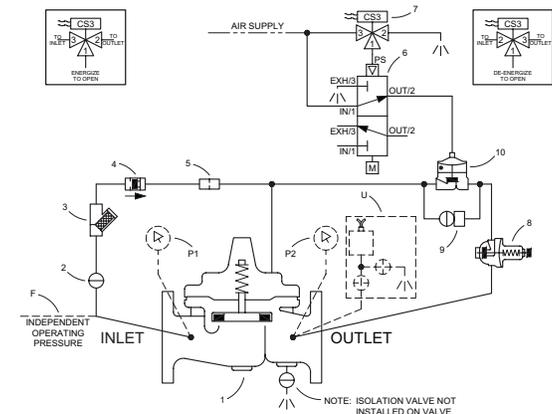
Electrically actuated pneumatic on/off **regulating** deluge valve with **latching** pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	"Y" Strainer
4	Check Valve
5	Restriction Assembly
6	Latching Deluge Pilot
7	Solenoid Control
8	Pressure Reducing Control
9	Emergency Deluge Valve Release
10	Auxiliary Powertrol

### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UT



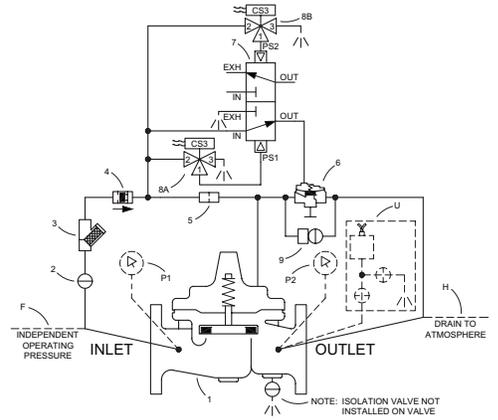
Electrically actuated hydraulic on/off deluge valve with fail last position pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Hytrol
7	Latching Deluge Pilot, Fail Last Position
8	Solenoid Control
9	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UTR



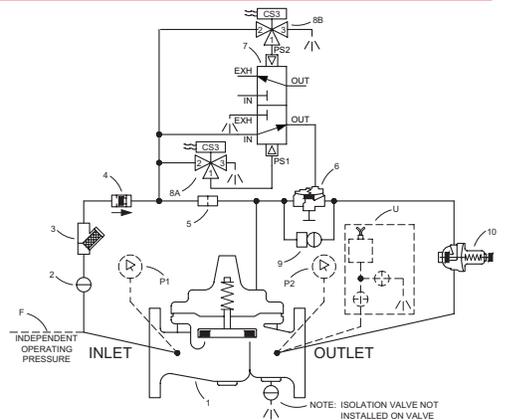
Electrically actuated hydraulic on/off regulating deluge valve with fail last position pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Hytrol (Rev. Flow)
7	Latching Deluge Pilot, Fail Last Position
8	Solenoid Control
9	Emergency Deluge Valve Release
10	Pressure Reducing Control

### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UU



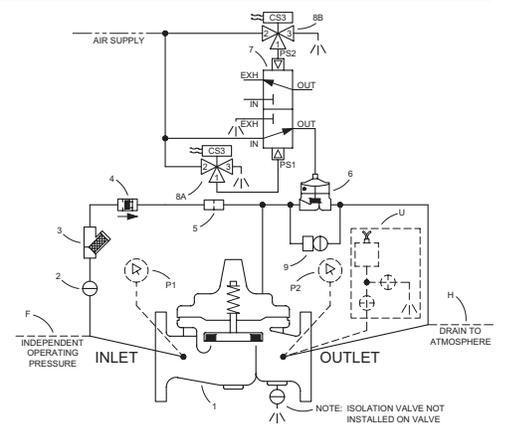
Electrically actuated pneumatic on/off deluge valve with fail last position pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Powertrol
7	Latching Deluge Pilot, Fail Last Position
8	Solenoid Control
9	Emergency Deluge Valve Release

### Optional Features

Item	Description
F	Independent Operating Pressure
H	Drain to Atmosphere
P	Pressure Gauge Assembly
U	Pressure Switch Assembly



## Model 100G-UUR



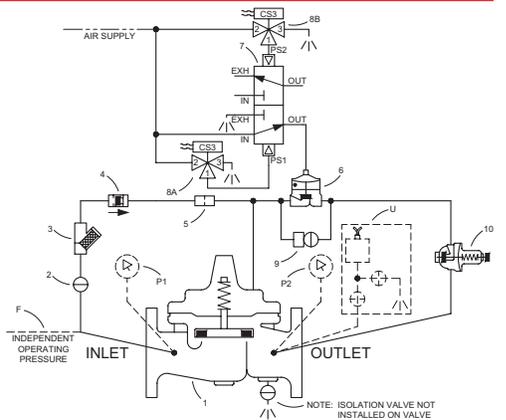
Electrically actuated pneumatic on/off regulating deluge valve with fail last position pilot designed for use in multiple applications.

### Schematic Diagram

Item	Description
1	UL Listed Valve
2	Isolation Valve
3	Strainer
4	Check Valve
5	Restriction Assembly
6	Auxiliary Powertrol
7	Latching Deluge Pilot, Fail Last Position
8	Solenoid Control
9	Emergency Deluge Valve Release
10	Pressure Reducing Control

### Optional Features

Item	Description
F	Independent Operating Pressure
P	Pressure Gauge Assembly
U	Pressure Switch Assembly





## Support doesn't stop at the sale.

**Cla-Val Field Service is there when you need it, backed by more than 85 years of valve design and manufacturing experience.**

Cla-Val Field Service provides expert, on-site maintenance and repair services for valves installed in waterworks, wastewater, fire protection systems, aviation fueling, marine and industrial applications throughout the US, backed by dedicated sales representatives ready to answer any and all questions.

Our experienced Field Service Technicians can help you with:

- Start-up assistance
- Troubleshooting
- Periodic maintenance
- Valve repairs
- Field retrofits



We also have Regional Cla-Val Service Centers in the Southern California, Northern California, Arizona, Texas and New York. Outside those areas, factory authorized sales agents throughout North America offer similar field services to ensure that a solution to your operational challenges is never more than a phone call away.

## Global Locations

### Global Headquarters

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800-942-6326  
info@cla-val.com  
www.cla-val.com

### Fire Products Office USA

Houston, TX  
fireproducts@cla-val.com

### Western USA

800-942-6326

### Central USA

800-533-8181

### Eastern USA

800-451-3030

### Cla-Val Canada

905-563-4963  
sales@cla-val.ca

### Cla-Val Latin America

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