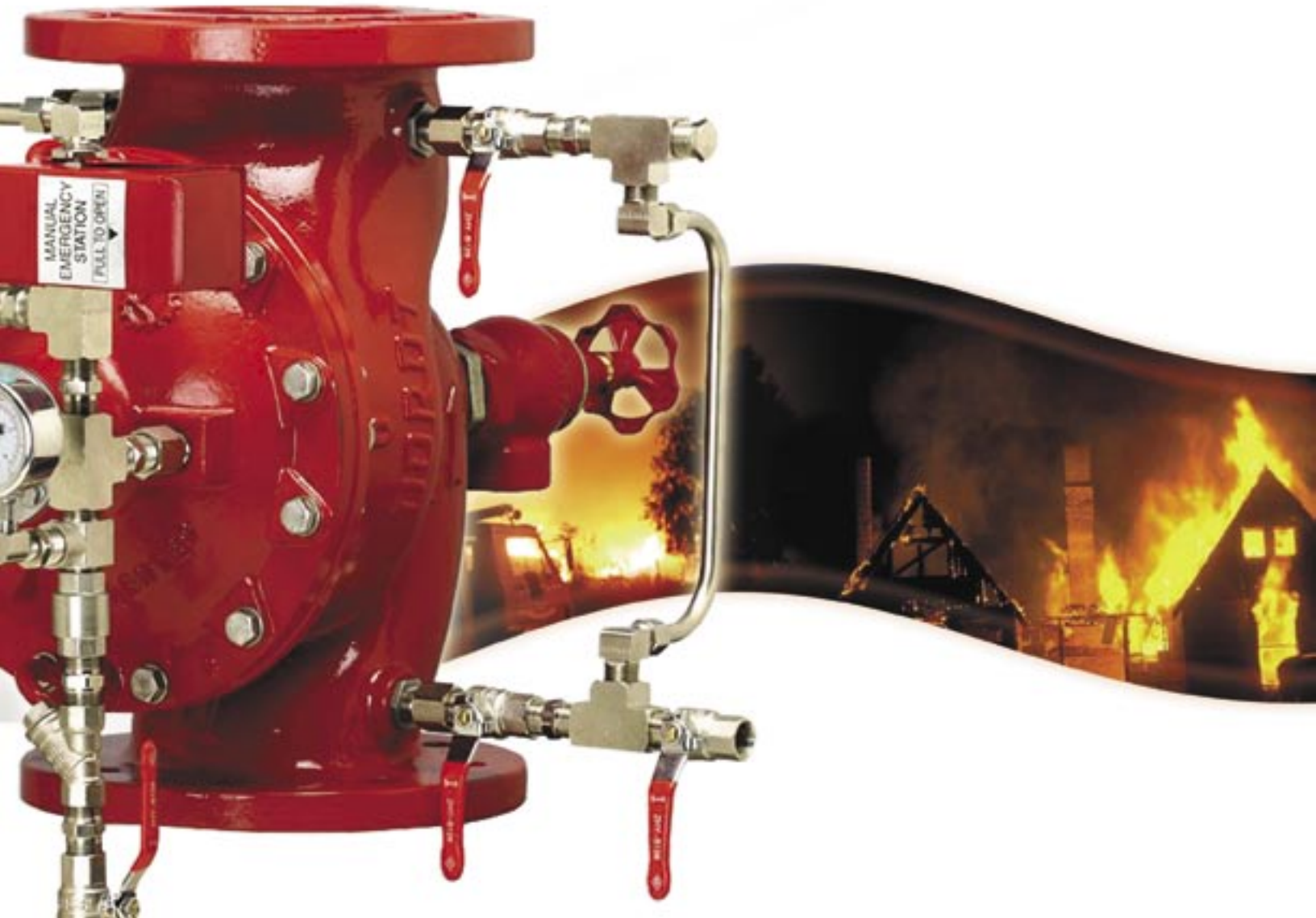
Dorot
CONTROL VALVES

FIRE PROTECTION CONTROL VALVES



Contents

Contents

Series 300 Basic Hydraulic Valves

General Description

The Dorot Series 300 valves are automatic, hydraulically activated by the pressure of the pipeline, diaphragm actuated, globe and angle pattern control valves.
This valve is designed for use in any water supply application, including the controlling of water flow for deluge, pre-action or foam-water type fire protection sprinkler systems.
The valve consists of three major components: the body, the cover, and the diaphragm assembly.
The only moving part is the diaphragm assembly.
Pack-less construction and simplicity of design of the valve assure long service life, reliable operation and low maintenance.

Features

- UL-listed with a wide range of control trims
- Fast opening and cushioned closure operation
- Reliable drip-tight shut off
- Simple and reliable design
- Easy installation and maintenance
- Double or single chamber actuation
- High-grade construction materials
- Regulation from near zero flow
- Low pressure losses at high flow rates

Optional Features

- Latched opening or automatic reset
- Manual, Electric, Hydraulic and Pneumatic, UL-listed actuation trims
- Explosion-proof electronic devices
- Sea water service

Approvals

The valve is UL listed as “Fire Pump Relief Valves” (QXZQ.EX4505), ”Special Systems Water Control Valves” - Deluge (VLFT.EX6543) and Pressure Control (VLMN.EX6104) types to pressure rating of 175 psi and 350 psi PN16 and PN25 in sizes of 2” to 12” (50 to 300mm). Consult the UL listing guide or Dorot for a complete list of approved applications.

Specifications

Sizes: Straight Flow 40-800 mm 1½” - 32”
Angle 40-200 mm 1½” - 8”

End Details:
Flanged: ISO PN10, 16 and 25
ANSI B16.42 class 150 & 300
AS Tables D & E, JIS
Others upon request
Threaded: BSP or NPT

Pressure rating: 16 bar / 230 psi maximum
25 bar / 360 psi maximum

Temperature range: Water to 80°C / 180°F max

Materials

Body & Cover*: Ductile Iron ASTM A-536
Cast Steel ASTM A216 WCB
Stainless Steel ASTM A743 - CF8M, CF8, CF3M, 316
Naval Bronze ASTM B61
NAB Ni-Al Bronze ASTM B148

Coating: Polyester, Fusion Bonded Epoxy (FBE) (option UV Protected)

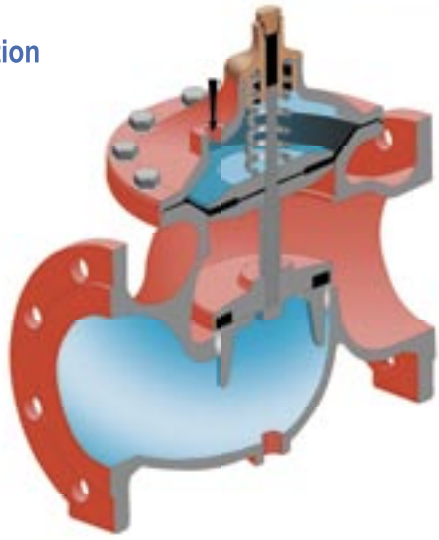
Main valve trim*: Stainless Steel & Bronze

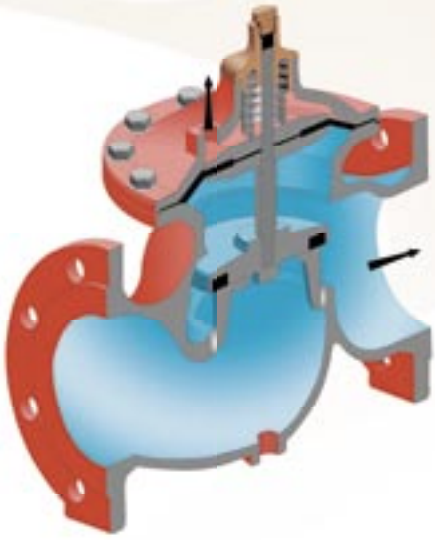
Elastomers: Rubber, NR, NBR, EPDM, BUNA-N

Control trim & Accesories*: Brass, Bronze, SST Monel, Special Materials

* Other materials available upon request

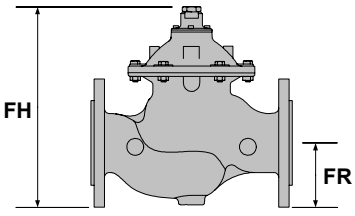
Principle of Operation

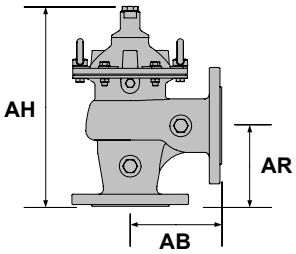


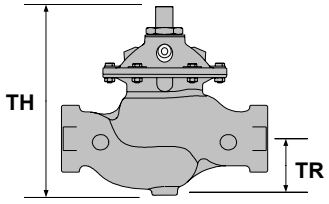


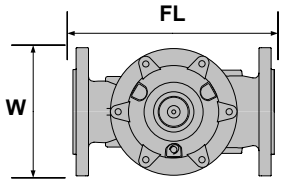
Dimensions and Weights

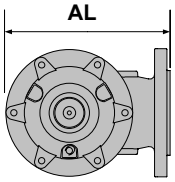
Valve Size		50 (2")		65 (2 1/2")		80 (3")		100 (4")		150 (6")		200 (8")		250 (10")		300 (12")		350 (14")		400 (16")	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
DIMENSIONS	FL	230	9 1/16	292	11 1/2	310	12 3/16	350	13 3/4	480	18 7/8	600	23 1/16	730	28 3/4	850	33 7/16	980	38 9/16	1100	43 5/16
	FH	185	7 5/16	185	7 5/16	230	9 1/16	240	8 7/16	330	13	390	15 3/8	520	20 1/2	635	25	635	25	855	33 5/8
	W	170	7	170	7	200	7	235	9	330	13	415	16	525	21	610	24	610	24	850	33
	FR	165	6 1/2	185	7 5/16	200	7 7/8	220	8 11/16	285	11 1/4	345	13 9/16	410	16 1/8	460	18 1/8	520	20 1/2	580	22 13/16
	TL	215	8 7/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TH	209	8 1/4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	TR	62	2 7/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	AL	208	8 3/16	N/A	N/A	250	9 13/16	295	11 1/16	405	16	505	19 7/8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	AH	240	9 7/16	N/A	N/A	415	16 5/16	445	17 1/2	570	22 7/16	635	25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	AB	125	4 15/16	N/A	N/A	150	5 7/8	173	6 13/16	240	9 7/16	300	11 13/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	AR	107	4 3/16	N/A	N/A	138	5 7/16	147	5 13/16	180	7 1/16	N/A	14 3/16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Vol. Control Chamber lit./gal.	0.1 / 0.03		0.1 / 0.03		0.3 / 0.08		0.7 / 0.18		1.5 / 0.4		4.3 / 1.1		9.7 / 2.6		18.6 / 4.9		18.6 / 4.9		50 / 13.2	
	Weight kg/lbs	12 / 26		13 / 29		22 / 48		37 / 82		80 / 176		157 / 346		245 / 540		405 / 892		510 / 1123		822 / 1810	

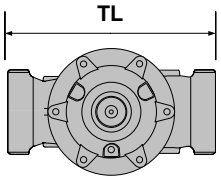










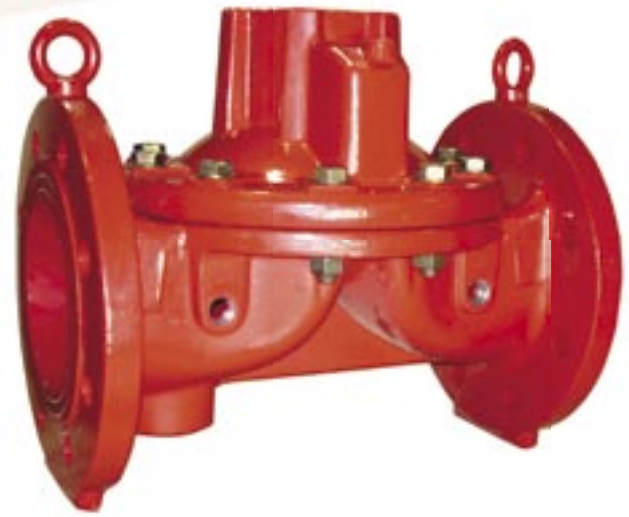


Dorot

Series 100 Basic Hydraulic Valves

General Description

The Dorot Series 100 valves are automatic, hydraulically activated by the pressure of the pipeline, direct diaphragm sealing weir type with proven reliable design.
This valve is designed for use in any water and Foam supply application, including the control of water flow to deluge, pre-action or foam-water type fire protection sprinkler systems.
The valve consists of three major components: body, cover and diaphragm.
The only moving part is the diaphragm.
Pack-less construction and simplicity of design of the valve assure long service life and low maintenance.



Features

- UL-listed with a wide range of control trims
- Fast opening and cushioned closure operation
- Simple and reliable design
- Easy installation and maintenance
- High-grade construction materials
- Will regulate from near zero flow
- Exceptionally low pressure losses

Optional Features

- Latched opening or automatic reset
- Manual, Electric, Hydraulic and Pneumatic, UL-listed actuation trims
- Explosion-proof electronic devices
- Sea water service

Approvals

The valve is U.L. listed as “Fire Pump Relief Valves” (QXZQ.EX4505) and “Special Systems Water Control Valves” (VLFT.EX6543) to pressure rating of 175 psi in sizes of 2” to 10” (50 to 250mm).
Consult the UL listing guide or Dorot for a complete list of approved applications.

Specifications

Sizes: Straight Flow 20-600 mm / $^{3}/_{4}$” - 24”
Angle 40-150 mm / $1^{1}/_{2}$” - 6”

End Details:

Flanged: ISO PN10, 16 and 25
ANSI B16.42 class 150, 250 & 300
AS Tables D & E, JIS
Others upon request

Threaded: BSP or NPT Grooved

Pressure rating: 16bar / 230 psi maximum

Temperature range: Water to 80°C / 180°F max

Materials

Body & Cover*: Cast Iron ASTM A126
Ductile Iron ASTM A-536
Cast Steel ASTM A216 WCB
Stainless Steel ASTM A743 - CF8M, CF8, CF3M, 316
Naval Bronze ASTM B61
NAB Ni-Al Bronze ASTM B148

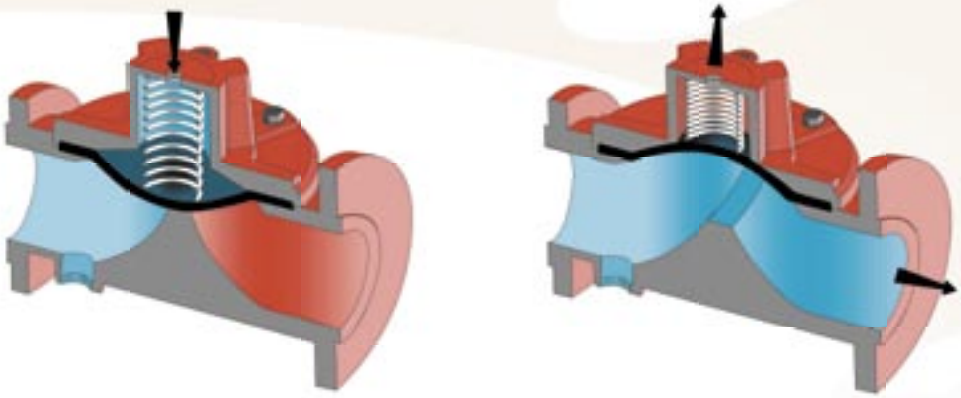
Coating: Polyester, Fusion Bonded Epoxy (FBE) (option UV Protected)

Elastomers: Rubber, NR, NBR, EPDM, Buna-N

Control trim & Accesories*: Brass, Bronze, SST Monel, Special Materials

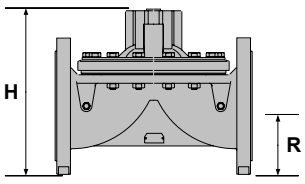
* Other materials available upon request

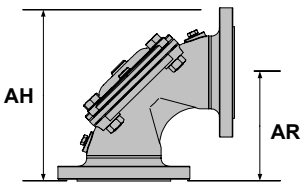
Principle of Operation

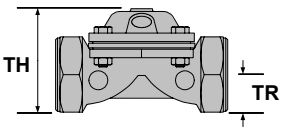


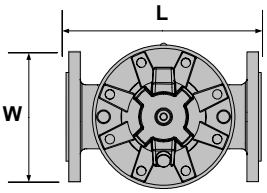
Dimensions and Weights

Valve Size			50 (2")		80 (3")		100 (4")		150 (6")		200 (8")		250 (10")		300 (12")		350 (14")		400 (16")		450 (18")	
			mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
DIMENSIONS	77	L	200	$7^{13}/_{16}$	285	$11^{3}/_{16}$	305	12	390	$15^{5}/_{16}$	460	$18^{1}/_{8}$	535	21	580	$22^{13}/_{16}$	580	$22^{13}/_{16}$	980	$38^{9}/_{16}$	1100	$43^{5}/_{16}$
		H	166	$6^{1}/_{2}$	200	$7^{13}/_{16}$	230	9	314	$12^{5}/_{16}$	400	$15^{11}/_{16}$	445	$17^{1}/_{2}$	495	$19^{3}/_{8}$	495	$19^{3}/_{8}$	990	39	1250	$49^{3}/_{16}$
		R	85	$3^{5}/_{16}$	105	$4^{1}/_{8}$	110	$4^{5}/_{16}$	145	$5^{11}/_{16}$	170	$6^{5}/_{8}$	205	8	240	$9^{3}/_{8}$	270	$10^{5}/_{8}$	610	24	850	33
		W	166	$6^{1}/_{2}$	200	$7^{13}/_{16}$	230	9	300	$11^{13}/_{16}$	365	$14^{3}/_{8}$	440	$17^{5}/_{16}$	490	$19^{5}/_{16}$	540	$21^{5}/_{16}$	520	$20^{1}/_{2}$	580	$22^{13}/_{16}$
		Approx. Weight kg/lbs	7.7 / 17		18.2 / 40.1		24 / 53		49 / 108		86 / 190		125 / 276		167 / 368		172 / 379		N/A		N/A	
	68	L	228	$8^{7}/_{8}$	310	$12^{3}/_{16}$	356	14	436	$17^{1}/_{8}$	530	$20^{13}/_{16}$	636	25	N/A	N/A	N/A	N/A	715	$28^{1}/_{8}$	715	$28^{1}/_{8}$
		H	169	$6^{5}/_{8}$	237	$9^{5}/_{16}$	263	$10^{5}/_{16}$	378	$14^{13}/_{16}$	481	$18^{7}/_{8}$	546	$21^{1}/_{2}$	N/A	N/A	N/A	N/A	830	$32^{5}/_{8}$	830	$32^{5}/_{8}$
		R	85	$3^{5}/_{16}$	105	$4^{1}/_{8}$	120	$4^{11}/_{16}$	150	$5^{7}/_{8}$	180	7	215	$8^{3}/_{8}$	N/A	N/A	N/A	N/A	310	$12^{3}/_{16}$	340	$13^{5}/_{16}$
		W	175	$6^{7}/_{8}$	200	$7^{13}/_{16}$	260	$10^{3}/_{16}$	320	$12^{5}/_{8}$	400	$15^{11}/_{16}$	495	$19^{3}/_{8}$	N/A	N/A	N/A	N/A	830	$32^{5}/_{8}$	830	$32^{5}/_{8}$
		Approx. Weight kg/lbs	10 / 22		30 / 66.1		38 / 83.8		75 / 165.3		123 / 271		190 / 419		N/A		N/A		433 / 955		460 / 1014	
	44	TL	188	$7^{3}/_{8}$	316	$12^{3}/_{8}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		TH	115	$4^{1}/_{2}$	135	$5^{5}/_{16}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		TR	42	$1^{5}/_{8}$	53	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		W	112	$4^{3}/_{8}$	200	$7^{13}/_{16}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Approx. Weight kg/lbs	3.2 / 7		11 / 24		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
	82	AL	N/A	N/A	174	$6^{13}/_{16}$	180	7	230	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		AH	N/A	N/A	278	11	300	$11^{13}/_{16}$	380	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		AR	N/A	N/A	47	$1^{13}/_{16}$	60	$2^{5}/_{16}$	82	$3^{3}/_{16}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		W	N/A	N/A	200	$7^{13}/_{16}$	230	9	300	$11^{13}/_{16}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Approx. Weight kg/lbs	N/A		18 / 39.6		21 / 46.2		45 / 99.2		N/A		N/A		N/A		N/A		N/A		N/A	









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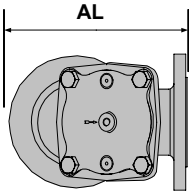

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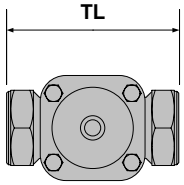

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Fire Fighting Products

Automatic Valves For Sprinkler Systems

DE/HL
Basic Deluge Valve

Basic, hydraulic operated deluge valve
The valve maintains a closed position and instantly opens upon a hydraulic pressure drop in a pressurized sensor\activation line.

Features:
- Simple structure
- Automatic reset – optional latch operation
- The application is based on the UL listed valves

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Remote activation monitor systems
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/HM

DE/HM
Hydraulically Controlled Deluge Valve

Hydraulic pilot operated control valve
The valve maintains a closed position and instantly opens upon a hydraulic pressure drop in a pressurized sprinkler system.

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


68-DE/HM

Automatic Valves For Sprinkler Systems

DE/EL
Electrically Controlled Deluge Valve (2W solenoid)

Electric solenoid operated control valve
The valve maintains a closed position and instantly opens by energizing a solenoid valve.

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Deluge
- Dry pipe
- Single or double Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate

30U-DE/EL

68-DE/EL

DE/EL(CN)
Electrically Controlled Deluge Valve (Chinese standard)

Electrically operated, latching relay controlled valve
The valve maintains a closed position and instantly opens by energizing a solenoid valve. The valve will close only after a manual reset is activated.

Features:
- Chinese standard certified
- Simple structure
- Latching operation

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate

30-DE/EL (CN)

Automatic Valves For Sprinkler Systems

DE/RC
Electrically Controlled Deluge Valve (3W Solenoid)

Electrically operated, relay controlled valve
The valve maintains a closed position and instantly opens by energizing a solenoid valve.

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Deluge
- Dry pipe
- Single or double Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/RC


68-DE/RC

DE/RCL
Electrically Controlled Deluge Valve with Manual Reset

Electrically operated, latching relay controlled valve
The valve maintains a closed position and instantly opens by energizing a solenoid valve.
The valve will close only after a manual reset is activated.

Features:
- UL certified
- Simple structure
- Latching operation

Applicable for:
- Deluge
- Dry pipe
- Single or double Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/RCL


68-DE/RCL

Automatic Valves For Sprinkler Systems

DE/RCE-H
Electrically Controlled Deluge Valve with Hydraulic / Pneumatic Reset

Electrically operated, latching relay controlled valve
The valve maintains a closed position and instantly opens by energizing a solenoid valve.
The valve will close only after a manual reset is activated or a reset pressure command is applied to the relay.

Features:
- UL certified
- Simple structure
- Latching operation

Applicable for:
- Deluge
- Dry pipe
- Single or double Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/RC


68-DE/PORV

DE/RCE-S
Electrically Controlled Deluge Valve with Electric Reset

Electrically operated, latching relay controlled valve
The valve maintains a closed position and instantly opens by energizing a solenoid valve.
The valve will close only after a manual reset is activated or a second reset solenoid is energized.

Features:
- UL certified
- Simple structure
- Latching operation

Applicable for:
- Deluge
- Dry pipe
- Single or double Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/RCL


68-DE/EL/PORV

Automatic Valves For Sprinkler Systems

DE/HRV
Hydraulically Controlled, Anti-Columning Deluge Valve

Hydraulic pilot operated control valve
The valve maintains a closed position and instantly opens upon a hydraulic pressure drop in a pressurized sprinkler system.

Features:
- Simple structure
- Automatic reset – optional latch operation
- The application is based on the UL listed valves

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/HRV


68-DE/HRV

DE/HRV/EL
Electro-Hydraulically Controlled, Anti-Columning Deluge Valve

Hydraulic pilot and Electrically operated control valve
The valve maintains a closed position and instantly opens upon an hydraulic pressure drop in a pressurized sprinkler system or by energizing a solenoid valve.

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/HRV/EL


68-DE/HRV/EL

Automatic Valves For Sprinkler Systems

DE/PORV
Pneumatically Controlled Deluge Valve

Pneumatic Air/Gas, pilot operated control valve
The valve maintains a closed position and instantly opens upon air/gas pressure drop in a pressurized sprinkler system or manual "in situ" emergency activation.

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/PORV


68-DE/PORV

DE/EL/PORV
Electro-Pneumatically Controlled Deluge Valve

Pneumatic Air/Gas pilot and Electrically operated control valve
The valve maintains a closed position and instantly opens upon air/gas pressure drop in a pressurized sprinkler system or by energizing a solenoid valve or manual "in situ" emergency activation.

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Deluge
- Dry pipe
- Single-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/EL/PORV


68-DE/EL/PORV

Automatic Valves For Sprinkler Systems

DE/EL/PORV/DN
Double-Interlock Pre-action, Electric-Pneumatic Release System

Pneumatically and Electrically operated control valve
The valve maintains a closed position and instantly opens upon air/gas pressure drop in a pressurized sprinkler system and energizing a solenoid valve simultaniously or manual “in situ” emergency activation

Features:
- UL certified
- Simple structure
- Automatic reset – optional latch operation

Applicable for:
- Double-Interlock Pre-Action
- Water, Sea water, Foam solution or Foam concentrate


30U-DE/EL/PORV/DN


68-DE/EL/PORV/DN

DE/PR
Pressure Control Deluge Valve

Pressure control deluge valve
The valve opens upon activation from an auxiliary control system, and maintains a pre-determined fixed downstream pressure, regardless of supply pressure of flow variations.

Features:
- Simple structure
- Will regulate from zero to full flow with no need for additional throttling plug or by-pass valves
- Same low pressure losses as in the basic valve
- Applicable with any deluge activation control system
- The application is based on the UL listed valves

Applicable for:
- Water, Sea water, Foam solution or Foam concentrate


30-DE/PR


68-DE/PR

Local and Remote Controlled Monitor Valves

MO/M
Manually Activated Monitor Valve

The valve is controlled manually by a selector that allows the user to select the closed or open position of the valve. The control is effected effortlessly and quickly, even under high pressure conditions.

Features:
- Effortless open\close activation
- Fast response
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves


77-M

MO/RC
Remote Hydraulic/Pneumatic Activated Monitor Valve

A 3-way relay valve, activated by hydraulic or pneumatic pressure command, which opens or closes the main valve. The standard valve is supplied in the “normally closed” position. The “normally open” position is optional.

Features:
- Fast response, even for long control lines
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves


77-RC

MO/EL
Remote Electrically Activated Monitor Valve

A 3-way solenoid valve, activated by an electric current or an electric pulse, opens or closes the main valve. The standard valve is supplied in the “normally closed” position. The “normally open” position is optional. Electric activation can be added to other control applications on request.

Features:
- Low power electric activation
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves


30U-DE/EL


68-DE/EL

Automatic Distribution Valves

PR/UL
Pressure Reducing Valve

Hydraulic pressure-reducing valve
The valve maintains a pre-set fixed downstream pressure, regardless of upstream pressure or flow rate variations.

Features:
- UL certified
- PN16\230psi and PN25\360psi pressure rated valves
- Will regulate from zero to full flow with no need for additional throttling plug or by-pass valves.
- Same low pressure losses as in the basic valve
- Simple structure

Applicable for:
- Water, Sea water, Foam solution or Foam concentrate


30-PR/UL


30-PS/UL

PS/UL
Pressure Sustaining\Relief Valve

Hydraulic pressure sustaining\relief valve
The valve maintains a pre-set fixed upstream pressure, regardless of downstream pressure or flow rate variations. The valve will be closed drip tight when the upstream pressure is lower than the set value.

Features:
- UL certified Fire Pump Relief Valve
- PN16\230psi and PN25\360psi pressure rated valves
- Will regulate from zero to full flow with no need for additional throttling plug or by-pass valves.
- Same low pressure losses as in the basic valve
- Simple structure

Applicable for:
- Water, Sea water, Foam solution or Foam concentrate


47-PS/UL

Water Level Control Valves

FL
Modulating Float Controlled Valve

The main valve is controlled by a float valve, located in the tank or reservoir and set at the required maximum water level. The valve maintains the maximum level continuously.

Features:
- Accurate level control.
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves


30-FL


68-FL

FLEL
Electric Float Controlled Valve

An electric sensor float, located in the tank\reservoir, sends a command to a solenoid controlled valve. The main valve will fully open when the solenoid is activated and closes drip tight when the solenoid is de-energized, thus enabling accurate and reliable differential level control.
Optional Addition: Surge-Preventing Closure.

Features:
- Accurate differential level control
- Low power electric activation
- Fast response
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves


30-FLEL


68-FLEL

Water Level Control Valves

FLDI
Differential Float Pilot Controlled Valve

A Float valve controls the main valve, closing it when the water reaches maximum level, and opening it when the water drops to its preset minimum level.
The differential between the maximum and the minimum levels is adjustable.
Optional Addition: Stepped Surge-Preventing Closure.

Features:
- Accurate differential level control
- Adjustable differential
- Fast response
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves

30-FLDI

68-FLDI

AL
Altitude Pilot Controlled Valve

The main valve is controlled by a highly sensitive pilot, located outside the tank.
The pilot opens or closes the valve in response to the static pressure of the water. The pilot allows for differential adjustments between the maximum and minimum level.
Optional Addition: Surge-Preventing Closure.

Features:
- Accurate differential level control
- Fast response
- Easy access - no float is located in the tank\reservoir
- Simple and reliable design
- Easy installation and maintenance
- The application is based on the UL listed valves

30-AL

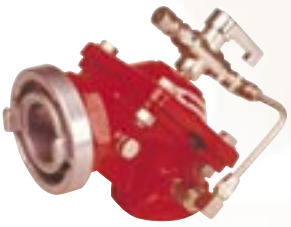
68-AL

Hydrants

HY
Hydraulic Hydrant Valve

The valve is controlled manually by a selector that allows the user to select the closed or open position of the valve.
The control is affected effortlessly and quickly, even under high pressure conditions. The opening speed is controlled by a vent orifice.

Features:
- Effortless open\close activation
- Controlled response
- Simple and reliable design
- Easy installation and maintenance


44-HY


82-HY

HY/PR
Hydraulic Pressure-Regulating Hydrant Valve

The valve is controlled manually by a selector that allows the user to select the closed or open position of the valve.
The control is affected effortlessly and quickly, even under high pressure conditions. The opening speed is controlled by a vent orifice.

Features:
- Effortless open\close activation
- Controlled response
- Simple and reliable design
- Easy installation and maintenance


LEHAVA


LEHAVA

LEHAVA / ZIK
Hydrant Valve

3” (80mm) Angle Hydrant, Non-rising stem, Ductile Iron Body and Bronze seat.

Features:
- Low operation torque
- High grade materials
- Available as a double (twin) valve assembly


ZIK

DOROT AUTOMATIC CONTROL VALVES

Founded in 1946, DOROT is a leading developer, manufacturer, and marketer of a wide range of superior quality control valves. DOROT's experienced Research & Development Dept. has a long tradition of generating innovative solutions for the application of water control systems. These include: waterworks distribution networks, sewage and effluent disposal, fire protection, mining, and irrigation systems.

DOROT's commitment to excellence begins with using the highest quality materials. The company's engineering experts are constantly working to provide customers with a broad range of valve patterns and sizes in a wide variety of metals and grades including: Cast Iron, Ductile Iron, Cast Steel, SST, Bronze, Marine Bronze, Polyamide and P.V.C.

The experts at DOROT custom-design each valve application according to specific control requirements. Most of the production process, which includes, machining, and coating, takes place in modern in-house facilities.
Before leaving the factory, each product is hydraulically tested. An advanced testing laboratory simulates the anticipated field conditions.

With distribution in more than 70 countries world-wide, a key component of the DOROT difference is its outstanding customer service. This includes field assistance, technical advice, training programs and follow-up consultations.

It is all of these factors that make DOROT a leader in fluid control technology and customer satisfaction.

FP/30.10.06

Dorot CONTROL VALVES

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