

Fire Protection Products



Global performance. **Personal** touch.



QUALITY SYSTEM
REGISTERED TO
ISO 9001





Over 60 years of

FIRE PROTECTION CONTROL VALVES: When fire breaks out, water flow is paramount. **OCV Control Valves** offers a complete line of high **performance** listed and approved valves – all designed to operate to spec. We manufacture deluge, pressure control, relief, automatic level control, electronic valves, and more. Developed with **flexibility** in mind, the OCV control valve can be readily adapted to perform numerous functions. For more challenging applications, we can design a **custom solution**. OCV Control Valves has always focused on creating the highest quality product on the market, and maintaining the most satisfied customer base. When you spec **OCV Control Valves**, you've spec'ed the best.



OCV supplies valves to a broad range of industries throughout the world – water supply systems in the U.S. and Canada; fire protection systems in Asia; oil refineries in Europe. In nearly every country on earth, OCV supplies valves to multiple markets and applications, always taking pride in its “global performance with a personal touch.”

history.

What Tex Radford started as a one-room, one-man milling shop in 1942 has grown into a thriving, internationally recognized leader in valve manufacturing. The first OCV valve was designed as an OEM component for packaging fueling stations for the aviation industry. Expansion followed into other markets and OCV has been active in the fire market for over 40 years.



Guided by company values.

Throughout 60 years in business, OCV has remained true to its founding principles:

- **Integrity:** Trustworthy among those we serve, and those who serve us.
Respectful in dealing with customers and employees.
- **Honesty:** Truthful in what we promise.
Diligent about following through on our pledges to colleagues and customers.
- **Fairness:** Sensible and equitable in everything we do.
Prudent in our actions and our deeds.



OCV Control Valves today

In 2010, OCV transitioned from a family-owned Company to an employee-owned Company. The Employee Stock Ownership Plan (ESOP) makes each employee not only accountable, but directly invested in the Company's success-as owners. OCV maintains a family-like workplace and continues Tex's mission to produce a quality product in a quality work environment. Through their dedication to quality, customer service and values, OCV Control Valves has become a worldwide leader in the valve industry.



OCV World Headquarters – A. Plant 1: Machine shop, valve assembly and water valve testing.

B. Administrative offices. C. Plant 2: Coating shop. **D. Plant 3:** Fueling valve testing. **E. Valve storage.**

Our commitment to customer service.

Putting customers first is the reason OCV has been a successful business for over six decades.

Our policy is to:

- Supply our customer with consistent quality products
- Ensure the process is right every time
- Continually improve the process



Words demand actions. For instance, no customer calling our office ever hears a recording that begins,

“Your call is important to us.”

In fact, your call is so important to us, we actually answer it. An experienced OCV team member greets each customer, then promptly directs the call to the appropriate department.

Our representatives are trained to listen to what customers are saying or asking, and can often suggest options that might provide a better outcome. The company's goal is that, by the end of each call, customers have the information, answers or solutions they expect.

Our customers reward us by coming back to OCV for future valve needs, and by recommending the company to other customers.



Certifications, approvals and quality assurance

Quality is the first priority at OCV, as evidenced by our ISO Quality System, PED certification, UL listings, and FM approvals. As a further commitment to quality, all OCV control valves are American-made and meet ARRA specifications.



**Factory Mutual
Research Corporation**

- Pressure Relief Valves
- Process Control Valves
- Fire Pump Suction Valves



**Underwriters
Laboratories Inc.**

- Special System Water Control Valves, Deluge Type (VLFT)
- Special System Water Control Valves, Pressure Reducing Type (VLMT)
- Special System Water Control Valves, Double Interlock Type (VLJH)



**National Fire
Protection Association**

- NFPA 11 Low Expansion Proof
- NFPA 13 Sprinkler System Installation
- NFPA 15 Water Spray Fix System
- NFPA 16 Deluge Foam-Water Systems
- NFPA 20 Centrifugal Fire Pumps
- NFPA 24 Private Fire Service Mains
- NFPA 25 Water-Based Fire Protection Systems



**American Bureau
of Shipping**

- Type Approved (RQS) - Registered Quality System
- Type Approved for Hydraulically Operated Valves For Fire Protection Systems, Bilge Systems, Fueling Systems, Ballasting Systems
- Fire Test Certificate



**Intertek International
Limited**

- SASO CoC



NSF International

- Quality Management System

The 65FC Basic Control Valve Series



The OCV Basic Control valve, both globe and angle, is a full port engineered valve. When equipped with a variety of pilots and accessories, these valves perform a wide range of automatic fluid control, making them specified in municipal water, fire protection, irrigation, industrial, petroleum and aviation fueling systems.

The Model 65FC is dependable and hardworking; with a simplicity of design that ensures minimal part wear for exceptional performance and longevity.

Self-contained, the valve operates automatically off of line pressure.

The 65FC consists of three major components: body, bonnet and assembly.

The 65FC is a normally closed valve that automatically opens to admit water through the main line when the bonnet pressure is released.

65FC Series Features

- UL Listed for deluge service in globe pattern for sizes 3" through 10" (DN80 through DN250)
- Valve opens quickly when bonnet pressure is released
- For operation via electric solenoid, pneumatic pilot or manual activation
- Horizontal or vertical mounting in all sizes
- ANSI Flanged Class 150 or Class 300
- Maximum working pressure for UL Listed valves is 250 psi (17.2 bar)
- Large supply drain port to drain inlet side piping
- Visual indicator for indication of valve's position
- No adjustments are necessary
- Wide range of materials available
- Fully factory-assembled and tested

65FC Series Applications

- Manufacturing, petrochemical facilities and power plants
- Industrial/aviation storage facilities
- Fueling storage facilities
- Commercial and public buildings
- Government buildings
- Transportation and cargo tunnels
- Document storage areas



65FC Series Specifications

This information is designed to be a general guide to OCV offerings in the 65FC valve line. Consult specific models or consult factory for more information.

VALVE BODY & BONNET		DUCTILE IRON		CAST STEEL		NI-AL-BRONZE		STAINLESS STEEL	
END CONNECTIONS									
Flange Standard (also available in metric)	ANSI B16.42		ANSI B16.5		—		ANSI B16.5		
Flange Class	150#	300#	150#	300#	150#	300#	150#	300#	
Flange Face	Flat	Raised	Raised	Raised	Flat	Flat	Raised	Raised	
Maximum Working Pressure (at 100°F/37.78°C)	250 psi 17.2 bar	640 psi 44.1 bar	285 psi 19.7 bar	740 psi 50 bar	225 psi 15.5 bar	500 psi 34.5 bar	285 psi 19.7 bar	740 psi 50 bar	
Screwed End Working Pressure:	ANSI B1.20.1 640 psi (44.1 bar)		Grooved End Working Pressure: 300 psi (20.7 bar)						
INTERNALS									
Stem	STAINLESS STEEL				OPTIONAL MONEL®				
Spring	STAINLESS STEEL				OPTIONAL - INCONEL®				
Spool	DUCTILE IRON (epoxy coated) / OPTIONAL - STN. STL.				NI-AL-BRONZE		STAINLESS STEEL		
Seat Disc Retainer	DUCTILE IRON (epoxy coated) (10" & LARGER) STN. STL. (8" & SMALLER / OPTIONAL - ALL SIZES)				NI-AL-BRONZE		STAINLESS STEEL		
Diaphragm Plate	DUCTILE IRON (epoxy coated) / OPTIONAL - STN. STL.				NI-AL-BRONZE		STAINLESS STEEL		
Seat Ring (Trim)	BRONZE or STN. STL.		BRONZE or STN. STL.		NI-AL-BRONZE		STAINLESS STEEL		
Upper Stem Bushing	BRONZE or TEFLON®		BRONZE or TEFLON®		BRONZE or TEFLON®		TEFLON®		
Lower Stem Bushing	NOT APPLICABLE FOR BRONZE OR NI-AL-BRONZE SEAT RINGS / TEFLON® FOR STN. STL. SEAT RINGS								
ELASTOMER PARTS (Rubber)									
Diaphragm/Seat Disc/O-Rings	STANDARD - BUNA-N				OPTIONAL - EPDM				
Fluid Operating Temperature*	32°F to 180°F (0°C to 82.2°C)*				32°F to 230°F (0°C to 110°C)*				
*Consult factory when temperatures approach low or high temperature allowance. Other material available upon request.									
COATINGS Wide Range of Coatings for Fluid Applications. Coatings Handle Municipal Potable Water, Seawater, Petroleum and Refined Products. Other materials available, contact factory for more options.									
ELECTRICAL SOLENOIDS									
Bodies	STAINLESS - BRASS		OPTIONAL - STAINLESS STEEL						
Enclosures	WATER TIGHT, NEMA 1, 4, & 4X - EXPLOSION PROOF - OPTIONAL (NEMA 7 & 9)								
Power	AC, 60HZ - 24, 120, 240, 480 VOLTS		AC, 50HZ - In 110 VOLT MULTIPLES			DC, 12, 24, 125, 240 VOLTS			
Operation	ENERGIZE TO OPEN (NORMALLY CLOSED)		DE-ENERGIZE TO OPEN (NORMALLY OPEN)						

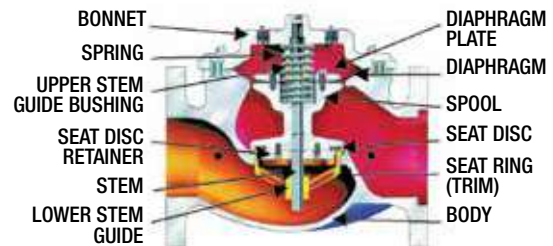
CONTROL PILOTS

Bodies	BRONZE	STN. STL.
Internal	STN. STL.	STAINLESS STEEL

CONTROL CIRCUITS

Tubing	COPPER	STN. STL. / OPTIONAL MONEL®
Fittings	BRASS	STN. STL. / OPTIONAL MONEL®

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Saltwater Service Valve Materials

Ductile Iron (special coatings) / Cast Steel (special coatings) / Nickel-Aluminum-Bronze / Duplex Stainless Steel.

Sizes circled in red are UL Listed. Listing vary by model, please consult factory.

Globe Flanged Sizes															
1.25"	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	
32mm	40mm	50mm	65mm	80mm	100mm	150mm	200mm	250mm	300mm	350mm	400mm	450mm	500mm	600mm	
Angle Flanged Sizes															
1.25"	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"	16"					
32mm	40mm	50mm	65mm	80mm	100mm	150mm	200mm	250mm	300mm	400mm					
Globe/Angle Screwed Sizes								Globe/Angle Grooved Sizes							
1.25"	1.5"	2"	2.5"	3"				1.5"	2"	2.5"	3"	4"	6"		
32mm	40mm	50mm	65mm	80mm				32mm	50mm	65mm	80mm	100mm	150mm		

*GLOBE ONLY

65FC Valve Dimensions

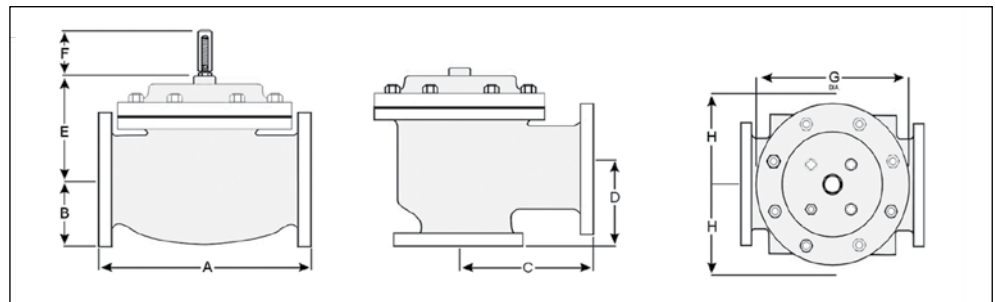
This information is designed to be a general guide to OCV offerings in the 65FC valve line. Consult specific models or consult factory for more information.

U.S. DIMENSIONS (INCHES)													
DIM	END CONN.	1 1/4-1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	24
A	SCREWED	8 3/4	9 7/8	10 1/2	13	—	—	—	—	—	—	—	—
	GROOVED	8 3/4	9 7/8	10 1/2	13	15 1/4	20	—	—	—	—	—	—
	150# FLGD	8 1/2	9 3/8	10 1/2	12	15	17 3/4	25 3/8	29 3/4	34	39	40 3/8	62
	300# FLGD	8 3/4	9 7/8	11 1/8	12 3/4	15 5/8	18 5/8	26 3/8	31 1/8	35 1/2	40 1/2	42	63 3/4
B	SCREWED	1 7/16	1 11/16	1 7/8	2 1/4	—	—	—	—	—	—	—	—
	GROOVED	1*	1 3/16	1 7/16	1 3/4	2 1/4	3 5/16	—	—	—	—	—	—
	150# FLGD	2 5/16-2 1/2	3	3 1/2	3 3/4	4 1/2	5 1/2	6 3/4	8	9 1/2	10 5/8	11 3/4	16
	300# FLGD	2 5/8-3 1/16	3 1/4	3 3/4	4 1/8	5	6 1/4	7 1/2	8 3/4	10 1/4	11 1/2	12 3/4	18
C ANGLE	SCREWED	4 3/8	4 3/4	6	6 1/2	—	—	—	—	—	—	—	—
	GROOVED	4 3/8*	4 3/4	6	6 1/2	7 5/8	—	—	—	—	—	—	—
	150# FLGD	4 1/4	4 3/4	6	6	7 1/2	10	12 11/16	14 7/8	17	—	20 13/16	—
	300# FLGD	4 3/8	5	6 3/8	6 3/8	7 13/16	10 1/2	13 3/16	15 9/16	17 3/4	—	21 5/8	—
D ANGLE	SCREWED	3 1/8	3 7/8	4	4 1/2	—	—	—	—	—	—	—	—
	GROOVED	3 1/8*	3 7/8	4	4 1/2	5 5/8	—	—	—	—	—	—	—
	150# FLGD	3	3 7/8	4	4	5 1/2	6	8	11 3/8	11	—	15 11/16	—
	300# FLGD	3 1/8	4 1/8	4 3/8	4 3/8	5 13/16	6 1/2	8 1/2	12 1/16	11 3/4	—	16 1/2	—
E	ALL	6	6	7	6 1/2	8	10	11 7/8	15 3/8	17	18	19	27
F	ALL	3 7/8	3 7/8	3 7/8	3 7/8	3 7/8	3 7/8	6 3/8	6 3/8	6 3/8	6 3/8	6 3/8	8
G	ALL	6	6 3/4	7 11/16	8 3/4	11 3/4	14	21	24 1/2	28	31 1/4	34 1/2	52
H	ALL	10	11	11	11	12	13	14	17	18	20	20	28 1/2
*GROOVED END NOT AVAILABLE IN 1 1/4"													
METRIC DIMENSIONS (MM)													
DIM	END CONN.	DN32-DN40	DN50	DN65	DN80	DN100	DN150	DN200	DN250	DN300	DN350	DN400	DN600
A	SCREWED	222	251	267	330	—	—	—	—	—	—	—	—
	GROOVED	222	251	267	330	387	508	—	—	—	—	—	—
	150# FLGD	216	238	267	305	381	451	645	756	864	991	1026	1575
	300# FLGD	222	251	263	324	397	473	670	791	902	1029	1067	1619
B	SCREWED	37	43	48	57	—	—	—	—	—	—	—	—
	GROOVED	25*	30	37	44	57	84	—	—	—	—	—	—
	150# FLGD	59-64	76	89	95	114	140	171	203	241	270	298	406
	300# FLGD	67-78	83	95	105	127	159	191	222	260	292	324	457
C ANGLE	SCREWED	111	121	152	165	—	—	—	—	—	—	—	—
	GROOVED	111*	121	152	165	194	—	—	—	—	—	—	—
	150# FLGD	108	121	152	152	191	254	322	378	432	—	529	—
	300# FLGD	111	127	162	162	198	267	335	395	451	—	549	—
D ANGLE	SCREWED	79	98	102	114	—	—	—	—	—	—	—	—
	GROOVED	79*	98	102	114	143	—	—	—	—	—	—	—
	150# FLGD	76	98	102	102	140	152	203	289	279	—	398	—
	300# FLGD	79	105	111	111	148	165	216	306	298	—	419	—
E	ALL	152	152	178	165	203	254	302	391	432	457	483	686
F	ALL	98	98	98	98	98	98	162	162	162	162	162	203
G	ALL	152	171	195	222	298	356	533	622	711	794	876	1321
H	ALL	254	279	279	279	305	330	356	432	457	508	508	724
*GROOVED END NOT AVAILABLE IN DN32													

How to order your valve

When ordering please provide:

- Series Number
- Valve Size
- Globe or Angle
- Pressure Class
- Screwed, Flanged, Grooved
- Trim Material
- Adjustment Range
- Pilot Options
- Special Needs / or Installation Requirements.



A routine inspection & maintenance program should be established and conducted yearly by a qualified technician. Consult our factory @ 1-888-628-8258 for parts and service.

The 74FC Deluge Control Valve Series



Our 74FC Deluge Control Valves are designed specifically to be used in deluge, pre-action, foam-water and other special systems. The 74FC Series is UL Listed for deluge service in globe pattern for sizes 3" through 10" (DN80 through DN250). The 74FC Series is a simple on-off valve that utilizes an innovative oval design to optimize flow capacity, minimize head loss and provide accurately controlled closing and opening at all flows with drip-tight sealing. The 74FC valves can be readily adapted to perform numerous application functions but the most common are presented here. Feel free to contact us to discuss additional requirements.

74FC Series Features


- UL Listed for deluge service in globe pattern for sizes 3" (DN80) through 10" (DN250)
- Large supply drain port to drain inlet (standard) and outlet (optional) side piping, per UL 260
- For operation via electric solenoid, pneumatic pilot or manual activation
- One piece actuation design provides for an unobstructed flow passage with minimal maintenance
- Unique oval design optimizes both flow capacity and control while minimizing head loss
- Diaphragm design provides resistance to cavitation, erosion, and ensures smooth flow without turbulence or noise
- External resetting without opening any covers or repositioning of clappers or latch mechanisms
- Accurately controlled closing and opening at all flows with drip-tight sealing
- Coating and material options to provide superior protection against seawater, brackish water supplies and other abrasive fluids
- Can be installed vertically or horizontally
- Stable and accurate control during shut-off and regulation provides versatile range ability and low flow control
- Easy inline maintenance is provided by top entry design, which also allows inline trouble-shooting
- The 74FC has a maximum working pressure of 250 psi (17.2 bar)

74FC Series Applications

- Manufacturing, petrochemical facilities and power plants
- Industrial/aviation storage facilities
- Fueling storage facilities
- Commercial and public buildings
- Government buildings
- Transportation and cargo tunnels
- Document storage areas



74FC Series Specifications

VALVE BODY & BONNET	DUCTILE IRON		CAST STEEL		NI-AL-BRONZE		STAINLESS STEEL	
END CONNECTIONS								
Flange Standard (also available in metric)	ANSI B16.42		ANSI B16.5		—		ANSI B16.5	
Flange Class	150#	300#	150#	300#	150#	300#	150#	300#
Flange Face	Flat	Raised	Raised	Raised	Flat	Flat	Raised	Raised
Maximum Working Pressure (at 100°F/37.78°C)	250 psi* 17.2 bar	250 psi* 17.2 bar	250 psi* 17.2 bar	250 psi* 17.2 bar	250 psi* 17.2 bar	250 psi* 17.2 bar	250 psi* 17.2 bar	250 psi* 17.2 bar
Screwed End Working Pressure: ANSI B1.20.1 250 psi* (17.2 bar) Grooved End Working Pressure: 250 psi* (17.2 bar) WORKING PRESSURES LISTED ABOVE APPLY TO MODELS 74FC, 216FC AND 216-3FC. MODEL 216-4FC MAXIMUM WORKING PRESSURE IS 175 psi (12.1 bar) in all categories.								
SPRING	Stainless Steel							
DIAPHRAGM								
Diaphragm	STANDARD - Nylon Reinforced EPDM				OPTIONAL – BUNA-N			
Fluid Operating Temperature*	32°F to 230°F (0°C to 110°C)				32°F to 180°F (0°C to 82.22°C)			
*Consult factory when temperatures approach low or high temperature allowance. Other material available upon request.								
COATINGS	Wide Range of Coatings for Fluid Applications. Coatings Handle Municipal Potable Water, Seawater, Petroleum and Refined Products.							
ELECTRICAL SOLENOIDS								
Bodies	STAINLESS STEEL							
CONTROL PILOTS								
Three-Way Auxiliary Pilot	Bronze (STANDARD)		Stainless Steel (Optional)					
Pneumatic Pilot	STAINLESS STEEL (STANDARD)							
Tubing/Fittings	STAINLESS STEEL (STANDARD)		COPPER/BRASS (OPTIONAL) MONEL® (OPTIONAL)					

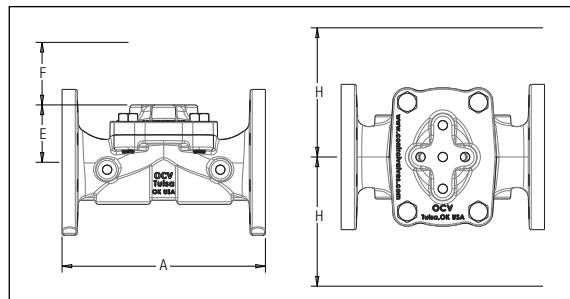


US Dimensions (inches)

		3"	4"	6"	8"	10"
A	150#	10 1/8	12 19/32	16 11/32	19 11/16	23 13/16
	300#	10 11/16	12 19/32	16 11/32	19 11/16	23 13/16
	SE	10 1/16	X	X	X	X
	Grooved	9 13/16	12 19/32	17 7/32	X	X
E	ALL	2 7/8	3 9/16	5 1/4	4 3/4	8 1/2
F	ALL	3 7/8	3 7/8	3 7/8	6 3/8	6 3/8
H	ALL	11	12	13	14	17

Metric Dimensions (millimeters)

		DN80	D100	D150	D200	D250
A	150#	257	320	415	500	605
	300#	272	320	415	500	605
	SE	255	X	X	X	X
	Grooved	250	320	437	X	X
E	ALL	73	90	133	121	216
F	ALL	98	98	98	162	162
H	ALL	279	305	330	356	432



Valve Size	Flow @ 25 ft/sec
3"	575
4"	1,000
6"	2,250
8"	3,900
10"	6,125

Sea Water Valves



Material selection for sea water applied valves is imperative to assure proper performance and long valve life. OCV Control Valves has a successful history of applying valves in corrosive sea water environments and offers various choices in materials depending on the application. The chart below has been formulated for reference and will guide the material selection process. Should questions arise, please contact our sales or engineering staff for further guidance. NOTE: Not all options are available in all valve sizes.

Material Selection Guide

	OK-Limited to intermittent operation		SATISFACTORY		PREMIUM	
BODY/BONNET	Ductile Iron- - Sea water epoxy	Carbon Steel- - Sea water epoxy	Bronze	Stainless Steel	Nickel/Aluminum	Duplex Stainless Steel
SEAT RING	Bronze, Stn. Stl. opt. NAB opt.	Bronze, Stn. Stl. opt. NAB opt.	Bronze, Stn. Stl.,	Stn. Stl.	NAB	Duplex Stn. Stl.
STEM	Monel	Monel	Monel	Monel	Monel	Monel
DIAPHRAGM PLATE	D.I. - Sea water epoxy Bz opt. NAB opt.	D.I. - Sea water epoxy Bz opt. NAB opt.	Bronze	Stn. Stl.	NAB	Duplex Stn. Stl.
SPOOL	D.I. - Sea water epoxy Bz opt. NAB opt.	D.I. - Sea water epoxy Bz opt. NAB opt.	Bronze	Stn. Stl.	NAB	Duplex Stn. Stl.
SEAT RETAINER	Stn. Stl. Bz opt. NAB opt.	Stn. Stl. Bz opt. NAB opt.	Bronze	Stn. Stl.	NAB	Duplex Stn. Stl.
SPRING	Stn. Stl. Inconel opt.	Stn. Stl. Inconel opt.	Stn. Stl. Inconel opt.	Stn. Stl. Inconel opt.	Stn. Stl. Inconel opt.	Stn. Stl. Inconel opt.
BONNET BOLTING	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.
INTERNAL BOLTING	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.
PIPE-DRAIN PLUGS	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.
DIAPHRAGM & SEAT DISC	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.	Buna-N EPDM opt.
PILOT BODY/ BONNET	Bronze, Stn. Stl. opt. NAB opt.	Bronze, Stn. Stl. opt. NAB opt.	Bronze, Stn. Stl. opt. NAB opt.	Stn. Stl.	NAB	Stn. Stl.
PILOT STEM	Monel	Monel	Monel	Monel	Monel	Monel
BALL VALVES	Bronze Stn. Stl. opt.	Bronze Stn. Stl. opt.	Bronze Stn. Stl. opt.	Stn. Stl.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.
SPEED CONTROLS	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.
Y-STRAINER	Bronze Stn. Stl. opt.	Bronze Stn. Stl. opt.	Bronze Stn. Stl. opt.	Stn. Stl.	Stn. Stl. Nickel opt.	Stn. Stl. Nickel opt.
SOLENOID	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.	Stn. Stl.
TUBING & FITTINGS	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.	Stn. Stl. Monel opt.

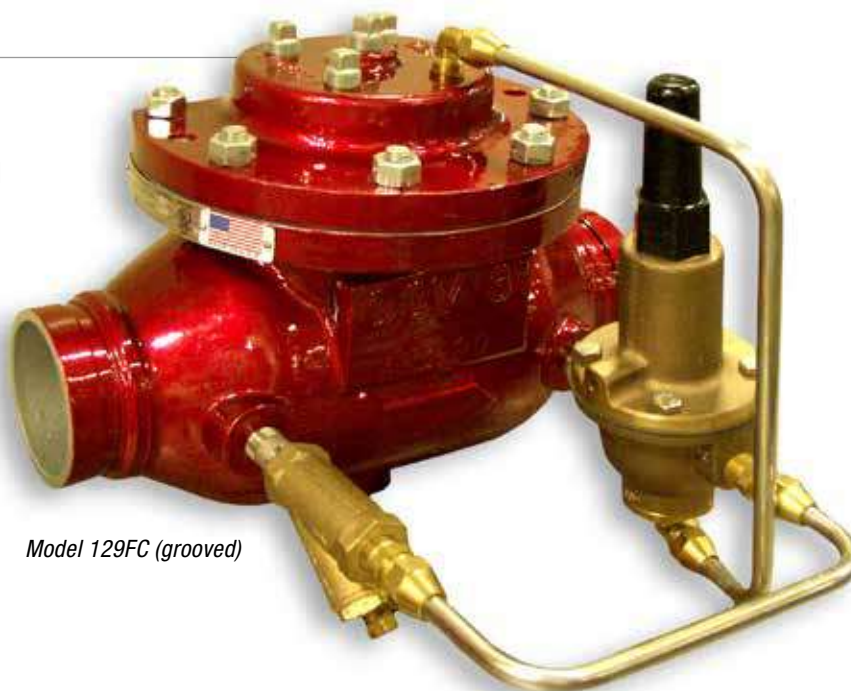


Pressure Reducing and Pressure Relief Control Valves

Pressure Reducing Valve

Model 129FC

- Automatically reduces high pressure in building riser pipe to a pressure that can be easily handled by the components it supplies
- Maintains constant pressure despite variations in demand or inlet pressure. Eliminates pressure fall off
- Approvals-UL
- Sizes-1.5" thru 8" (DN40 through DN200)
- Pressure Reducing Setting Range- 50 thru 165 psi (3.4 bar thru 11.4 bar)
- Available in globe or angle configuration
- Maximum working pressure for a UL Listed 129FC is 300 psi (20.68 bar)



Model 129FC (grooved)

Pressure Control Valve

Model 127-45NR

A non-listed pressure reducing / surge / check valve with manual reset. Designed to open and supply a higher pressure when the smaller PRV (in parallel) cannot adequately maintain pressure.

- Sizes 1-1/4" through 24" (DN32 through DN600)
- Pressure ranging up to 740psi (51.02 bar)
- ANSI Flanged Class 150 or Class 300
- Available in globe or angle configuration

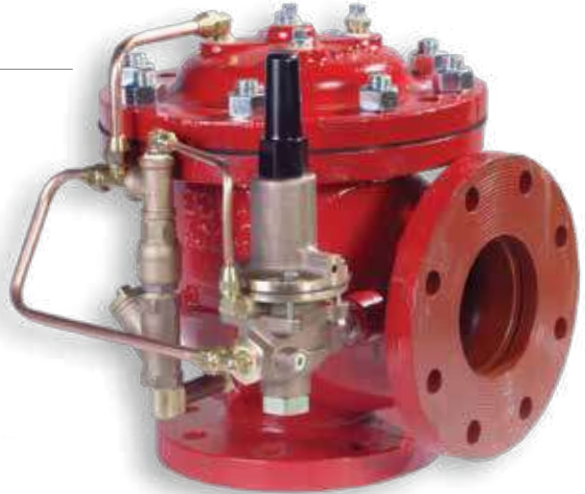


Pressure Relief Control Valves

Fire Pump Relief Valve

Model 108FC

- Automatically relieves excess fire pump discharge pressure to prevent the pressure from exceeding the rating of the fire system components
- Sizes 3" (DN80) thru 8" (DN200)
- Approvals - UL / FM
- For a UL Listed/FM Approved 108FC valve, settings range from 60 thru 175 psi (4.1 bar thru 12.1 bar) in sizes 3" thru 8" (DN80 thru DN200)
- For a UL Listed 108FC valve, settings range from 100 thru 300 psi (6.9 bar thru 20.7 bar) for sizes 3" thru 6" (DN80 thru DN150)
- Available in globe or angle configuration



Model 108FCA (angle)

Fire Pump Relief Valve

Model 108-2HP

Available as a non-listed/approved valve when pressure settings are in excess of 300 psi (20.7 bar).

- Sizes 1-1/4" through 24" (DN32 through DN600)
- Pressure ranging up to 740psi (51.02 bar)
- Available in globe or angle configuration
- ANSI Flanged Class 150 or Class 300

Pump Suction Control Valve

Model 108FPS

- Automatically sustains pump suction pressure to prevent the pressure from dropping below a preset minimum
- Sizes - 3" thru 8" (DN80 thru DN200)
- Approvals - FM
- Suction Pressure Setting Range - 5 thru 30 psi (0.3 thru 2.1 bar)
- Available in globe or angle configuration



Model 108FPS (globe)

Foam Pressure Control

Model 108-2SLF

- Special pilot system designed for foam concentrates control
- Sizes 1-1/4" through 24" (DN32 through DN600)
- Pressure ranging up to 740psi (51.02 bar)
- Available in globe or angle configuration
- ANSI Flanged Class 150 or Class 300
- Non-listed pressure relief valve

High-rise building

OCV valves are used in several areas to protect commercial, hospital, and residential buildings from fire hazards. Many of our valves are FM approved and UL listed for these applications.



Deluge Valves



Modulating Deluge Valves

Deluge Valve – Pneumatic

Model 116FC

- Valve opens on loss of pneumatic control pressure
- Manual opening by-pass ball valve
- Bottom drain plug
- Approvals - UL
- Sizes – 3" thru 10" (DN80 thru DN250)
- Maximum 250 psi WP (17.2 bar)
- Available in globe configuration

Model 116-FC (globe)



Deluge Valve-Electric/Pneumatic

Model 116-3FC

- Valve opens on loss of pneumatic control pressure. Electrical signal can be energize to open or deenergize to open
- Manual opening by-pass ball valve
- Bottom drain plug
- Approvals-UL
- Sizes – 3" thru 10" (DN80 thru DN250)
- Maximum 250 psi WP (17.2 bar)
- Available in globe or angle configuration

Model 116-3FC (globe)

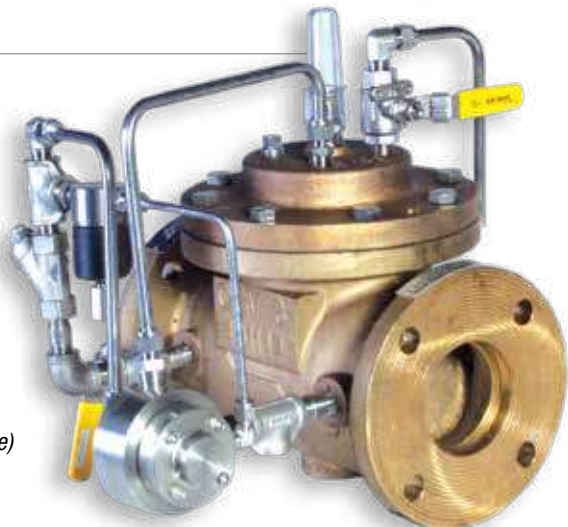


Deluge Valve – Electric

Model 116-4FC

- Valve opens on energize to open or de-energize to open electrical signal
- Manual opening by-pass ball valve
- Bottom drain plug
- Approvals - UL
- Sizes – 3" thru 10" (DN80 thru DN250)
- Maximum 175 psi WP (12.1 bar)
- Available in globe configuration

Model 116-4FC (globe)



Deluge Valve-Electric/Hydraulic

Model 115-1DV

- Opens automatically to admit water through the main line when the 3-way solenoid is activated
- Manual override to open valve regardless of solenoid valve position
- Can be used for freshwater or seawater application, depending on materials on construction
- Sizes 1-1/4" through 4" (DN32 through DN100)- contact factory for additional sizes
- Options available include opening and/or closing speed controls, limit switch assembly and pressure gauges. For other options, consult factory
- Pressures ranging up to 400 psi (27.6 bar), but working pressures are limited by solenoid, consult factory
- Available in globe or angle configuration
- ANSI Flanged Class 150 or Class 300
- Non-listed valve

Deluge Valve-Electric/Hydraulic

Model 115-4DV

- Opens automatically to admit water through the main line when the 3-way solenoid valve is activated
- Valve operated by 3-way solenoid and accelerator pilot
- Designed for seawater applications but may be used in freshwater utilizing the appropriate materials of construction
- Manual override to open valve regardless of solenoid valve position
- Available in sizes 1-1/4" through 16" (DN32 through DN400)
- Options available include opening and/or closing speed controls, limit switch assembly and pressure gauges. For other options, consult factory
- Pressures ranging up to 400 psi (27.6 bar), but working pressures are limited by solenoid, consult factory
- Available in globe or angle configuration
- ANSI Flanged Class 150 or Class 300
- Non-listed valve



Model 115-4DV (globe)

Pneumatic Deluge with Pressure Reducing

Model 127-PDV

- Opens in response to loss of pneumatic pressure
- Reduces a higher upstream pressure into a lower, constant downstream pressure
- Sizes 3" through 10" (DN80 through DN250), contact Factory for additional sizes
- Pressures ranging up to 250 psi (17.24 bar), but working pressures are limited by solenoid, consult factory
- Available in globe or angle configuration
- ANSI Flanged Class 150 or Class 300
- Closes in response to pneumatic pressure being applied
- Opens or closes in response to a manual override feature

Pressure Reducing/Solenoid Deluge Valve

Model 116-5MR

- Reduces a higher upstream pressure into a lower, constant downstream pressure
- Opens or closes in response to an electrical signal
- Opens or closes in response to manual override feature
- Sizes 3" through 10" (DN80 through DN250), contact Factory for additional sizes
- Pressures ranging up to 400 psi (27.6 bar), but working pressures are limited by solenoid, consult factory
- Available in globe or angle configuration
- ANSI Flanged Class 150 or Class 300
- Remains open after solenoid energization until local manual reset is activated and the solenoid is de-energized to re-close the valve



Model 116-5MR (globe)

On/Off Deluge Valves

Pneumatic/Hydraulic Deluge Valve

Model 216FC

- Opens quickly when pneumatic pressure is removed
- Manual override to open the valve regardless of pneumatic pilot position
- Maximum working pressure is 250 psi (17.2 bar)
- UL Listed in sizes 3" through 10" (DN80 through DN250)

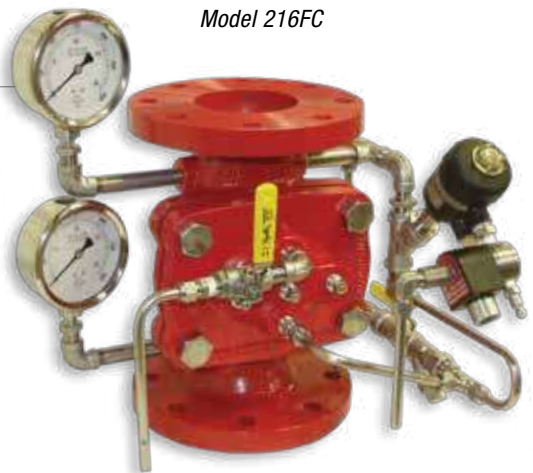


Model 216FC

Pneumatic/Electric/Hydraulic Deluge Valve

Model 216-3FC

- Opens quickly when pneumatic supply pressure is removed
- Opens quickly when solenoid valve is activated (Specify energize-to-open or energize-to-close)
- Manual override to open the valve regardless of pneumatic pilot or solenoid position
- Maximum working pressure is 250 psi (17.2 bar)
- UL Listed in sizes 3" through 10" (DN80 through DN250)

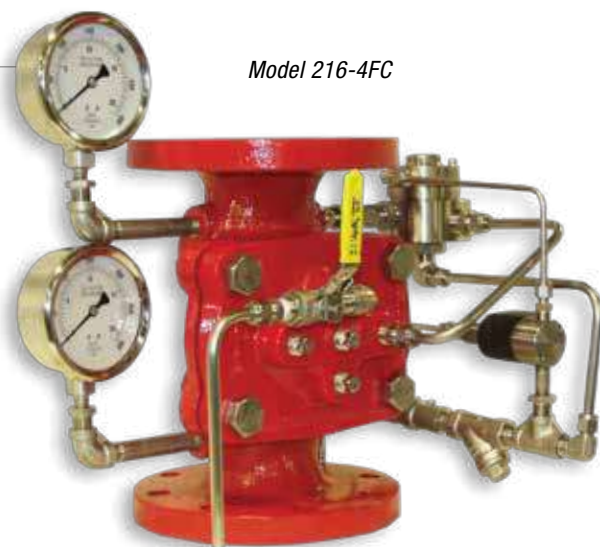


Model 216-3FC

Electric/Hydraulic Deluge Valve

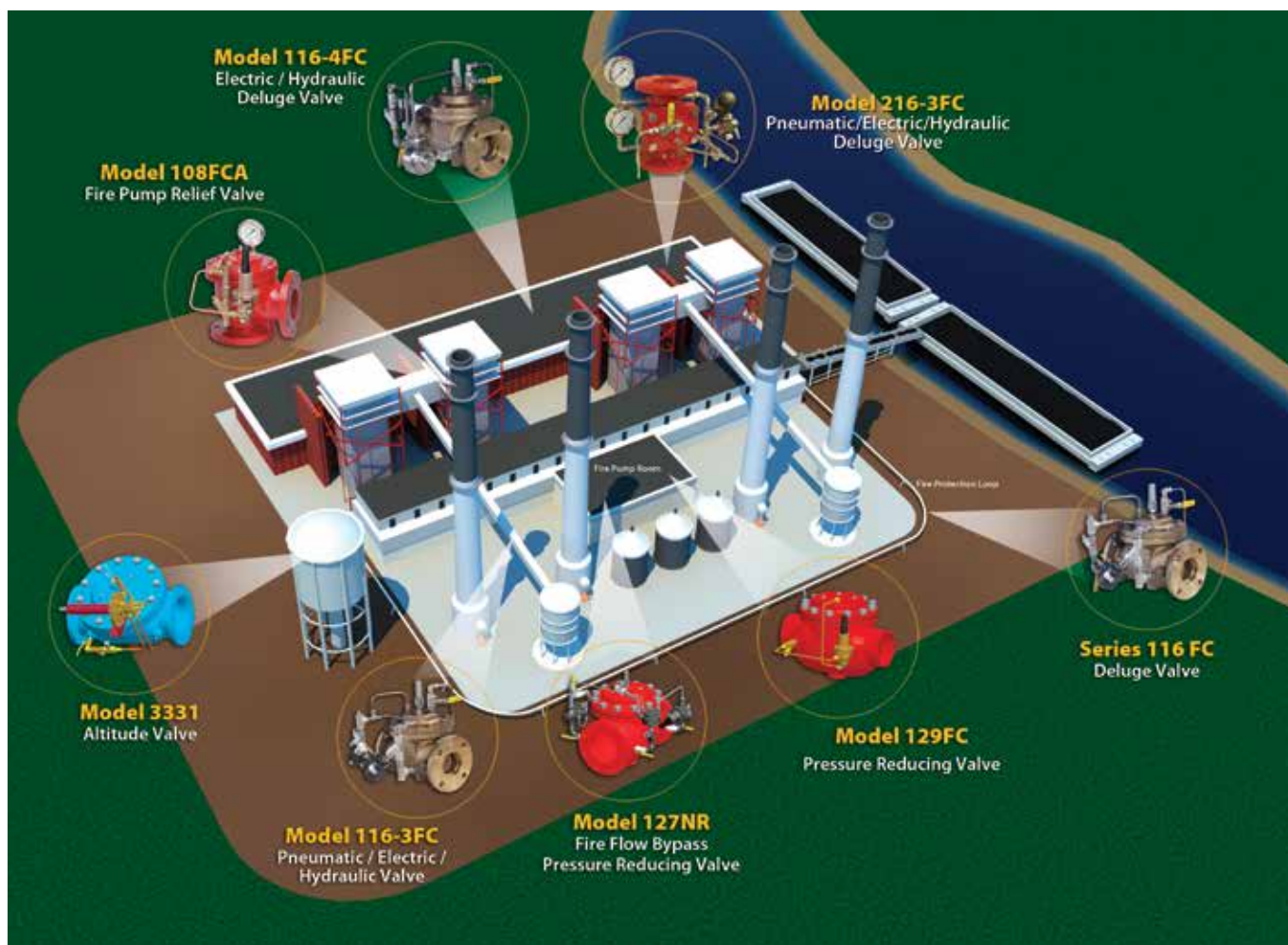
Model 216-4FC

- Opens quickly when solenoid valve is activated (specify energize-to-open or energize-to-close)
- Manual override to open the valve regardless of solenoid position
- Maximum working pressure 175 psi (12.1 bar)
- UL Listed in sizes 3" through 10" (DN80 through DN250)



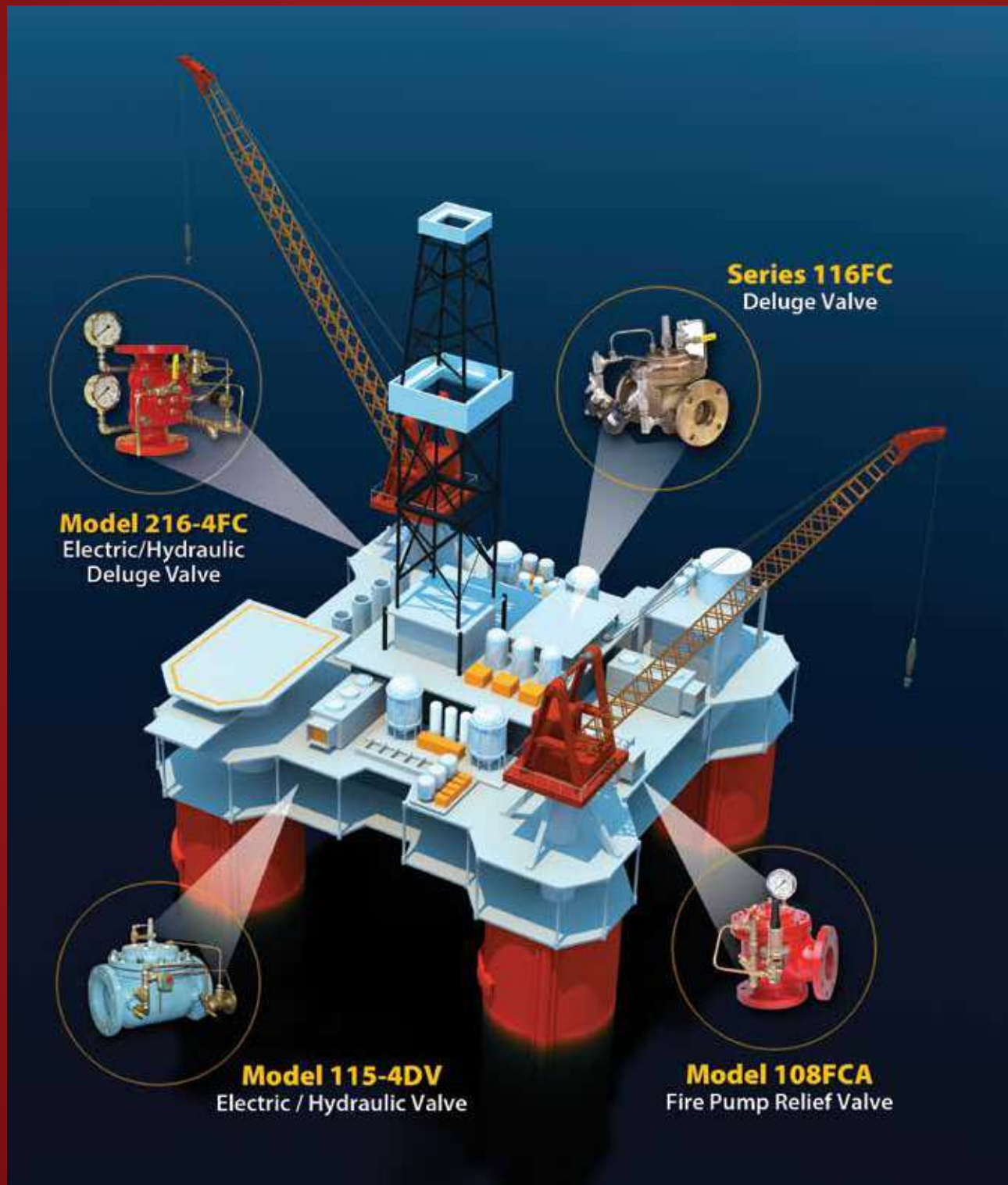
Coal Plant

OCV valves are used in a wide variety of environments in fire protection systems. Shown here, OCV valves are used in factories to assist in everyday activities to keep the work environment and production processes safe from fire hazards. Shown here in a coal processing plant, our valves fit into the system in several different areas. Many of our valves are FM approved and UL listed for these applications.



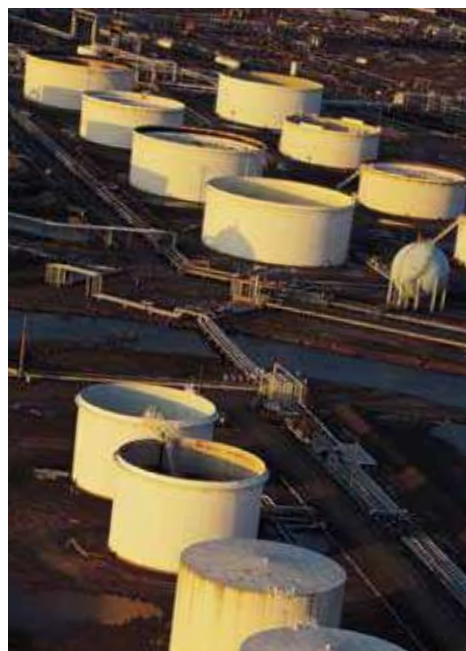
Oil Rig

On an oil rig, our valves ensure the job can be done without fear of fire breaking out and destroying the rig and all of the resources. Our valves can be coated for protection from the sea water elements. We have the ability and flexibility to coat our valves at our factory, providing increased coating options and high quality.





Water Storage and Level Control Valves



These are alternative, non-listed valves for when size requirements are outside the listed range or when components are changed to meet the application requirements.

Altitude Valve

Model 3331

- Opens to fill tank and closes at preset high level
- Operates without the use of floats or electrical devices
- High level range of operation: 5 ft thru 230 ft (1.5 meters thru 70.1 meters)
- Available in globe or angle configuration

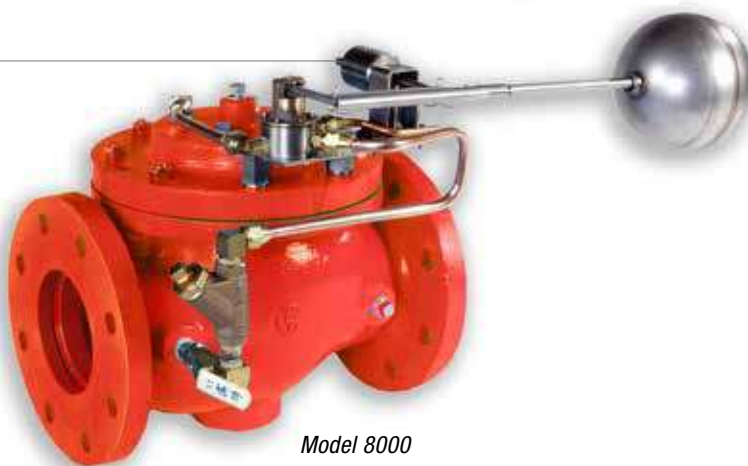


Model 3331

Float Valve

Model 8000

- Opens to fill tank when level drops and closes at preset high level
- On/off operation
- Valve can be at bottom or top of tank
- Float controlled main valve
- Available in globe or angle configuration



Model 8000



Global performance. **Personal** touch.

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