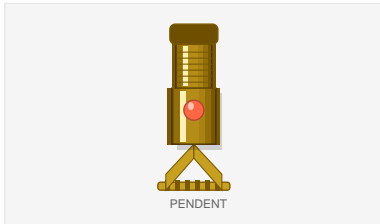


FIRE GROUP GEORGIA

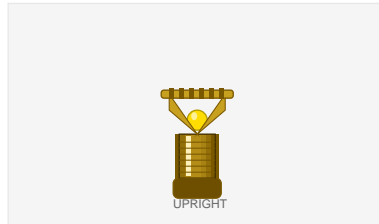
Sprinkler & Valve Systems Catalogue

SPRINKLER SYSTEMS

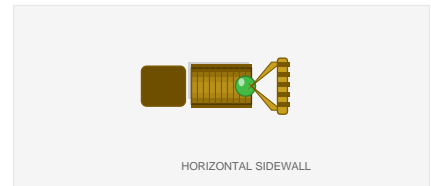
Sprinkler heads are UL/FM/VdS listed. Operating pressure 175 PSI. Brass body. Available in Standard Response (SR) and Quick Response (QR). Types: Pendent, Upright, Horizontal Sidewall. Connection 1/2" with K-factor 80/5.6. Glass bulb colours indicate activation temperature.



Pendent / SR & QR



Upright / SR & QR



H. Sidewall / SR & QR

✓ 175 PSI Brass	✓ UL / FM / VdS	✓ Standard & Quick	✓ Pendent / Upright	✓ Sidewall Type	✓ Glass bulb
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STANDARD RESPONSE SPRINKLERS

TYPE	Act. Temp.	Max. Amb.	Bulb Colour	Connection	K-factor	JOB	Finish
Pendent (SSP-SR-15)	68°C	38°C	Red	1/2"	80/5.6	G5	White/Chrome
	79°C	49°C	Yellow				
	93°C	63°C	Green				
Upright (SSU-SR-15)	68°C	38°C	Red	1/2"	80/5.6	G5	Brass/Chrome
	79°C	49°C	Yellow				
	93°C	63°C	Green				
H. Sidewall (HSW-SR-15)	68°C	38°C	Red	1/2"	80/5.6	G5	White/Chrome
	79°C	49°C	Yellow				
	93°C	63°C	Green				

QUICK RESPONSE SPRINKLERS

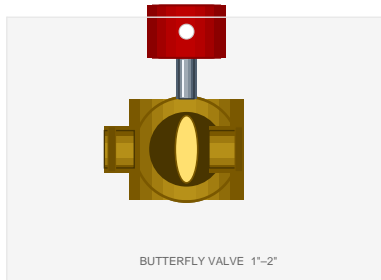
TYPE	Act. Temp.	Max. Amb.	Bulb Colour	Connection	K-factor	JOB	Finish
Pendent (SSP-QR-15)	68°C	38°C	Red	1/2"	80/5.6	F3	White/Chrome
	79°C	49°C	Yellow				
	93°C	63°C	Green				
Upright (SSU-QR-15)	68°C	38°C	Red	1/2"	80/5.6	F3	White/Chrome
	79°C	49°C	Yellow				
	93°C	63°C	Green				
H. Sidewall (HSW-QR-15)	68°C	38°C	Red	1/2"	80/5.6	F3	White/Chrome
	79°C	49°C	Yellow				
	93°C	63°C	Green				

FIRE GROUP GEORGIA

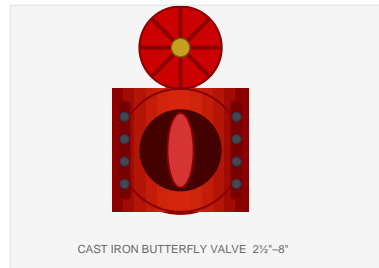
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BUTTERFLY VALVES

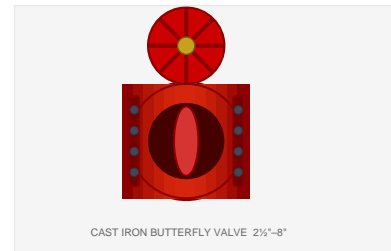
Butterfly valves available in bronze body (small sizes 1"–2") and cast iron body with EPDM lining (large sizes 2½"–8"). Stainless steel stem (hardened & tempered). Disc: EPDM-coated bronze or Cr-Ni Al-Bronze. Max temp 120°C.



Bronze Body — 12.5 Bar



Cast Iron Body — 21.5 Bar (with supervisory)



Cast Iron Body — 12.5 Bar (wafer type)

✓ Bronze 1"–2"	✓ Cast Iron 2½"–8"	✓ 12.5–21.5 bar	✓ EPDM lined	✓ SS stem	✓ 120°C max
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Working Pressure	12.5 bar (175 Psi)	Working Pressure	21.5 bar (300 Psi)
Test Pressure	25 bar (350 Psi)	Test Pressure	43 bar (600 Psi)
Max. Temperature	120°C	Max. Temperature	120°C
Body	Bronze	Body	Cast iron, EPDM coated
Disc	EPDM-coated bronze	Disc	Cr-Ni Al-Bronze stainless steel
Stem	Stainless steel, hardened & tempered	Stem	Hardened & tempered

Bronze Body — 12.5 Bar

Size	L in (mm)	H1 in (mm)	H in (mm)	Weight (kg)
1"	2.12 (54)	1.45 (37)	2.0 (52)	1.00
1¼"	2.63 (67)	1.61 (41)	2.2 (56)	1.60
1½"	2.87 (73)	1.92 (49)	2.32 (59)	1.80
2"	3.24 (82)	2.41 (61)	2.51 (64)	2.10

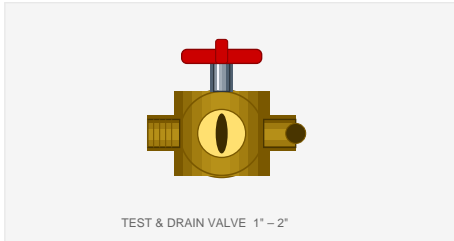
Cast Iron Body — 21.5 Bar (with supervisory)

Size	A	B	C	D	E	F	G
2½"	120(4.72)	85(3.35)	49(1.93)	116(4.57)	150(5.91)	150(5.91)	125(4.92)
3"	127(5.00)	92(3.62)	49(1.93)	132(5.20)	157(6.18)	168(6.61)	125(4.92)
4"	145(5.71)	108(4.25)	55(2.17)	152(5.98)	175(6.89)	168(6.61)	125(4.92)
6"	180(7.09)	145(5.71)	59(2.32)	207(8.15)	210(8.27)	208(8.19)	225(8.86)
8"	204(8.03)	170(6.69)	63(2.48)	262(10.31)	234(9.21)	208(8.19)	225(8.86)

FIRE GROUP GEORGIA

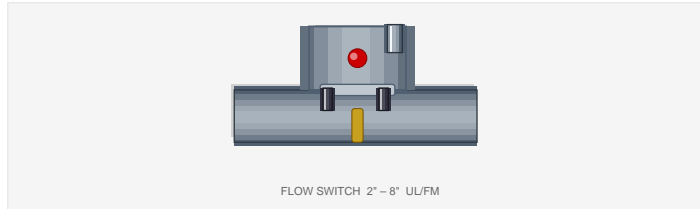
Sprinkler & Valve Systems Catalogue

TEST & DRAIN VALVE / FLOW SWITCH



TEST & DRAIN VALVE 1"–2"

TEST & DRAIN VALVE 1"–2"



FLOW SWITCH 2"–8" UL/FM

FLOW SWITCH 2"–8" UL/FM

- ✓ Brass body
- ✓ 300 PSI
- ✓ Chrome ball
- ✓ 2" – 8" pipe
- ✓ UL listed / FM
- ✓ 10 gpm trigger
- ✓ Pneumatic ret...

Body	Brass
Ball	Chrome plated
Seat	Teflon
Working Pressure	300 psi (20 bar)
Sizes	1" / 1¼" / 2"

Max. Working Pressure	35 bar (450 Psi)
Max. Velocity	18 fps (5.5 m/s)
Working Temperature	4.5°C – 49°C
Pipe Sizes	2" – 8"
Certification	UL Listed / FM Approved

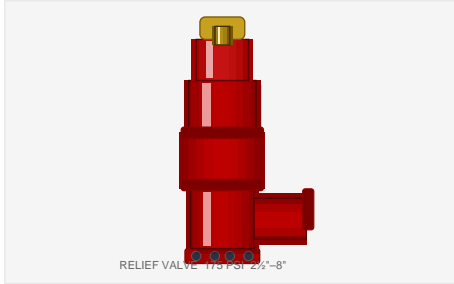
K-Factor Table — Test & Drain Valve

Valve	Orifice	K-factor
1"	3/8" / 7/16" / 1/2" / 17/32"	2.8 / 4.2 / 5.6 / 8.0
1¼"	3/8"–3/4"	2.8 / 4.2 / 5.6 / 8.0 / 11.2 / 14.0
2"	7/16"–1-9/64"	4.2 / 5.6 / 8.0 / 11.2 / 14.0 / 16.8 / 22.4 / 25.2

FIRE GROUP GEORGIA

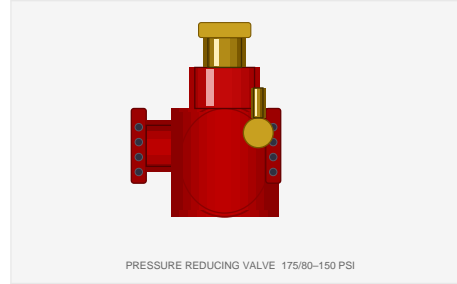
Sprinkler & Valve Systems Catalogue

RELIEF VALVE / PRESSURE REDUCING VALVE



RELIEF VALVE 175 PSI 2½"-8"

RELIEF VALVE 2½"-8" 175 PSI



PRESSURE REDUCING VALVE 175/80-150 PSI

PRESSURE REDUCING VALVE 175→80-150 PSI

✓ 175 PSI	✓ 120°C	✓ Cast iron	✓ 175 PSI in	✓ 80-150 PSI out	✓ 120°C	✓ Cast iron
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Working Pressure	175 PSI
Working Temperature	120°C
Body	Cast iron
Diaphragm	ASTM 2000 natural rubber
Sizes	2½" – 8"
Flange	ANSI 150 lb

Max. Inlet Pressure	175 PSI
Outlet Pressure	80 – 150 PSI
Working Temperature	120°C
Body	Cast iron
Diaphragm	ASTM 2000 natural rubber
Flange	ANSI 150 lb

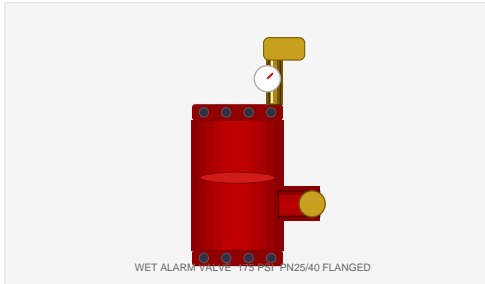
NFPA 20 — Minimum Relief Valve Sizes by Pump Capacity

Max Pump GPM	150-250	300	400-500	750	1000	1250-1500	2000-2500	3000-3500	4000-5000
Valve size (in)	2"	2½"	3"	4"	4"	6"	8"	8"	8"
Discharge line (in)	2½"	4"	5"	6"	8"	8"	10"	12"	14"

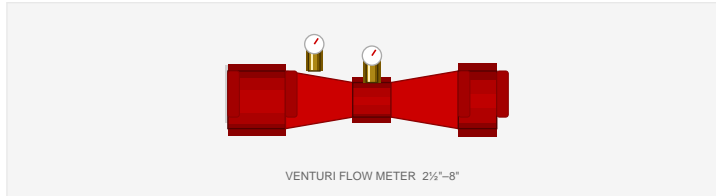
FIRE GROUP GEORGIA

Sprinkler & Valve Systems Catalogue

WET ALARM VALVE / FLOW METER



WET ALARM VALVE 175 PSI



VENTURI FLOW METER 2½"-8"

- ✓ 175 PSI
- ✓ 350 PSI test
- ✓ ASTM A48 cl.35
- ✓ 2½"-8" pipe
- ✓ Venturi type
- ✓ 100-4000 GPM
- ✓ Differential gau

Body	Cast iron ASTM A48 Class 35
Cover	Cast iron ASTM A48 Class 35
Clapper	AISI 304 stainless steel
Seat ring	NBR
Seat	ASTM C83600 B584
Hinge pin	AISI 304
Working Pressure	175 psi (12.3 bar)
Test Pressure	350 psi (24.6 bar)
Connection	PN 25 / PN 40 flanged

Venturi Flow Meter — Pipe Sizes & Range

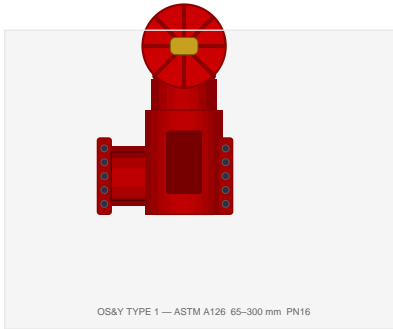
Pump GPM	Pipe Size	Min – Max GPM	Venturi Length
100	2½"	50-200	3"
200	3"	100-400	3½"
450	4"	225-900	3½"
500	5"	250-1000	5"
1000	6"	500-2000	6"
2000	8"	1000-4000	7"

FIRE GROUP GEORGIA

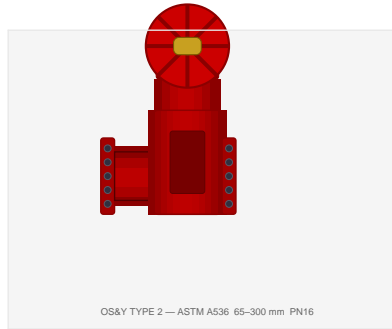
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RIISING STEM GATE VALVE (OS&Y;)

Outside screw and yoke (OS&Y;) rising stem gate valves for fire protection systems. Flanged PN16 connection. Available in ductile iron or high-precision ductile iron casting. Used on suction pipes of fire pump groups.



Type 1 — Cast Iron ASTM A126 (200 Psi)



Type 2 — Ductile Iron ASTM A536 (250 Psi)

✓ 200–250 PSI	✓ 400–500 PSI test	✓ PN16 flange	✓ 120°C max	✓ ASTM A126/A536	✓ EPDM lined gate
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Working Pressure	200 Psi
Test Pressure	400 Psi
Max. Temperature	120°C
Flange	PN 16
Body	B-class ASTM A126 cast iron
Gate	B-class ASTM A126, EPDM coated
Yoke nut	Bronze ASTM B62
Stem	Stainless steel AISI 304

Working Pressure	250 Psi
Test Pressure	500 Psi
Max. Temperature	120°C
Flange	PN 16
Body	ASTM A536 65-45-12 ductile iron
Gate	ASTM A536, EPDM coated
Stem nut	Bronze ASTM B62 C83600
Stem	Stainless steel AISI 420

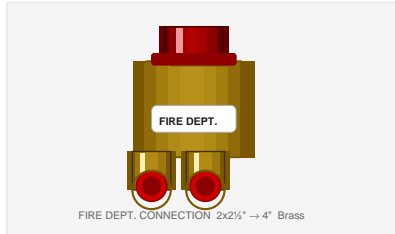
Dimensions (mm)

Size (mm)	65	80	100	150	200	250	300
A	190.5	203.0	229.0	267.0	292.0	330.0	356.0
B (open)	408.0	485.0	605.0	790.0	1002	1187	1422
B (closed)	350.0	414.0	491.0	628.0	776.0	933.0	1110
C	184.0	254.0	254.0	305.0	355.5	444.5	444.5
D	178.0	190.5	228.6	279.4	343.0	406.4	483.0

FIRE GROUP GEORGIA

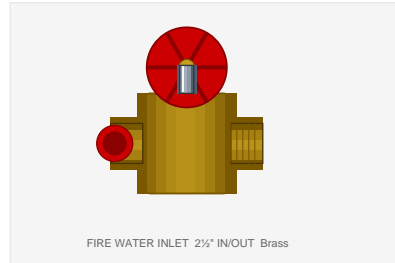
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FIRE DEPT. CONNECTION / WATER INTAKE / CHECK VALVE



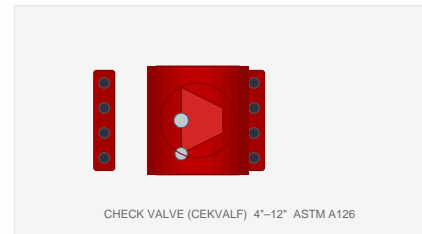
FIRE DEPT. CONNECTION 2x2½" → 4" Brass

FIRE DEPT. CONNECTION



FIRE WATER INLET 2½" IN/OUT Brass

FIRE WATER INLET



CHECK VALVE (CEKVALF) 4"-12" ASTM A126

CHECK VALVE (CEKVALF)

- ✓ 2x2½" → 4"
- ✓ 113.5 m³/h
- ✓ Brass body
- ✓ Storz caps
- ✓ Drain valve
- ✓ Wall plate

		Body	Brass
Capacity	113.5 m³/h	Inlet	2½"
Body	Brass	Outlet	2½"
Inlet	2 x 2½"	A	130.3 mm
Outlet	4"	B	268.5 mm
A	140.2 mm	C	80.3 mm
B	205.3 mm	D	67.1 mm

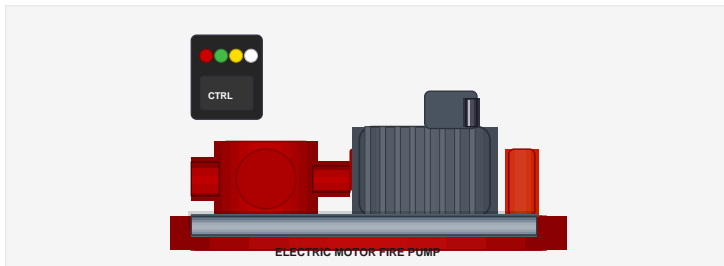
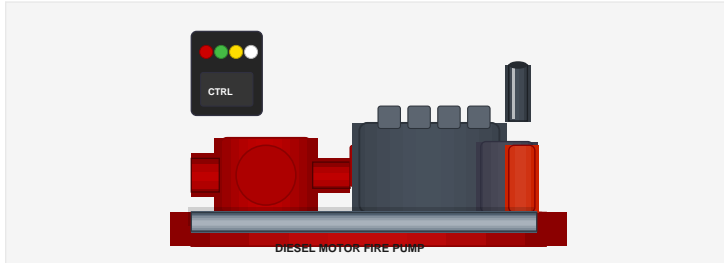
Check Valve — Dimensions

Size	A (mm)	ØB (mm)	ØD (mm)
4" (100)	93.0 / 366	172.0 / 6.77"	136.0 / 53.5
6" (150)	105.0 / 4.13"	220.0 / 8.66"	178.0 / 7.00"
8" (200)	121.0 / 4.76"	280.0 / 11.20"	230.0 / 9.06"
10" (250)	154.0 / 6.06"	340.0 / 13.39"	285.0 / 11.22"
12" (300)	187.0 / 7.36"	410.0 / 16.14"	338.0 / 13.31"

FIRE GROUP GEORGIA

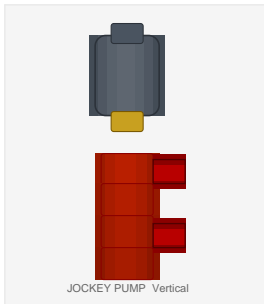
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FIRE PUMP GROUPS / JOCKEY PUMP / HYDROPHORE



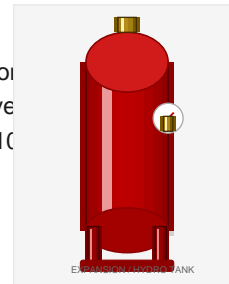
- ✓ Diesel + Electric
- ✓ Jockey pump
- ✓ 100% redundancy
- ✓ OS&Y; suction valve
- ✓ Seismic 0.5x
- ✓ NFPA 20

Fire pump sets include electric motor pump, diesel motor pump, and jockey (pressure maintenance) pump. Pumps are individually serviceable without removing from piping. Redundant pressure switches required. OS&Y; gate valves on suction lines. Seismic resistance: 0.5x weight horizontal.



JOCKEY PUMP

The jockey pump maintains system pressure by controlling flow at 1% of nominal flow (min. 1 GPM) at 10% above setpoint to restore system pressure to required level within ~10 minutes.



HYDROPHORE SYSTEM

Expansion tanks are used in hydrophore systems to maintain system pressure. They are installed at a higher elevation than the system to allow for self-priming systems. Connected to the system automatically.

- ✓ Fully automatic
- ✓ Expansion