



Section O **Preaction Systems**

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Notes

1. Refer to Viking technical data pages for complete product specifications. You may print or download technical data by visiting www.vikinggroupinc.com.
2. List prices effective May 10, 2025. Supersedes July 2022 list price book.
3. All sales by Viking are subject to the Terms & Conditions found on the last page of this book.

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Model VXD Preaction Systems



Viking Model VXD Pretrimmed Risers (PTR)

Deluge with Electric Release IPG V404

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>24883</u>	<u>24893</u>	<u>25464</u>	<u>25396</u>	<u>25411</u>	<u>25437</u>	<u>25497</u>
\$12,034.06	\$13,438.96	\$15,578.62	\$15,578.62	\$16,630.57	\$20,228.85	\$34,272.85

Single Interlock Preaction with Electric Release IPG V405

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>24887</u>	<u>24897</u>	<u>25466</u>	<u>25398</u>	<u>25413</u>	<u>25439</u>	<u>25499</u>
\$12,845.77	\$13,561.92	\$16,038.37	\$16,038.37	\$19,404.71	\$22,440.25	\$35,674.86

Double Interlock with Electric/Pneumatic Release IPG V405

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>24891</u>	<u>24901</u>	<u>25468</u>	<u>25400</u>	<u>25415</u>	<u>25441</u>	<u>25501</u>
\$13,657.27	\$14,889.28	\$16,902.02	\$16,902.02	\$21,164.80	\$23,544.79	\$37,319.74

Double Interlock with Electric/Pneu-Letric Release IPG V405

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>24887</u>	<u>24897</u>	<u>25466</u>	<u>25398</u>	<u>25413</u>	<u>25439</u>	<u>25499</u>
\$12,845.77	\$13,561.92	\$16,038.37	\$16,038.37	\$19,404.71	\$22,440.25	\$35,674.86

VXD Preaction Valves - Pretrimmed Deluge Valves

Pre-trimmed Electric Release Preaction Galvanized IPG V403

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23563</u>	<u>23584</u>	<u>23605</u>	<u>23626</u>	<u>23647</u>	<u>23669</u>	<u>23690</u>	<u>23751</u>
\$11,428.28	\$11,993.24	\$13,432.00	\$13,619.29	\$14,580.74	\$17,477.60	\$31,023.18	\$38,114.97

Pre-trimmed Pneumatic Release Preaction Galvanized IPG V403

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23566</u>	<u>23587</u>	<u>23608</u>	<u>23629</u>	<u>23651</u>	<u>23672</u>	<u>23693</u>	<u>23754</u>
\$11,428.28	\$11,993.25	\$13,432.00	\$13,619.29	\$14,580.74	\$17,477.60	\$31,023.19	\$38,114.96

Pre-trimmed Electric/Pneumatic Release Preaction Galvanized IPG V403

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23569</u>	<u>23590</u>	<u>23611</u>	<u>23632</u>	<u>23654</u>	<u>23675</u>	<u>23696</u>	<u>23757</u>
\$12,460.64	\$13,025.61	\$14,464.36	\$14,651.66	\$15,613.10	\$18,509.97	\$32,055.55	\$39,147.33

Model VXD Preaction Systems

VXD Preaction Valves - Pretrimmed Deluge Valves

Pre-trimmed Electric Release Preaction Galvanized IPG V403

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23563</u>	<u>23584</u>	<u>23605</u>	<u>23626</u>	<u>23647</u>	<u>23669</u>	<u>23690</u>	<u>23751</u>
\$11,428.28	\$11,993.24	\$13,432.00	\$13,619.29	\$14,580.74	\$17,477.60	\$31,023.18	\$38,114.97

Pre-trimmed Pneumatic Release Preaction Galvanized IPG V403

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23566</u>	<u>23587</u>	<u>23608</u>	<u>23629</u>	<u>23651</u>	<u>23672</u>	<u>23693</u>	<u>23754</u>
\$11,428.28	\$11,993.25	\$13,432.00	\$13,619.29	\$14,580.74	\$17,477.60	\$31,023.19	\$38,114.96

Pre-trimmed Electric/Pneumatic Release Preaction Galvanized IPG V403

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23569</u>	<u>23590</u>	<u>23611</u>	<u>23632</u>	<u>23654</u>	<u>23675</u>	<u>23696</u>	<u>23757</u>
\$12,460.64	\$13,025.61	\$14,464.36	\$14,651.66	\$15,613.10	\$18,509.97	\$32,055.55	\$39,147.33

VXD Preaction Systems - Loose Valve and Trim

Model VXD Deluge Valve - Groove/Groove IPG V400

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23310</u>	<u>23311</u>	<u>23312</u>	<u>23313</u>	<u>23316</u>	<u>23319</u>	<u>23322</u>	<u>23325</u>
\$3,742.33	\$4,219.80	\$5,853.65	\$6,070.15	\$7,066.71	\$9,286.21	\$21,493.88	\$27,844.71

Model VXD Deluge Valve - Flange/Flange IPG V400

3"	4"	6"	8"	10"
<u>23314</u>	<u>23317</u>	<u>23320</u>	<u>23323</u>	<u>23326</u>
\$6,070.15	\$7,066.71	\$9,286.21	\$21,493.88	\$27,844.71

Loose Trim Electric Release Preaction Galvanized IPG V401

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23562-1</u>	<u>23583-1</u>	<u>23604-1</u>	<u>23625-1</u>	<u>23646-1</u>	<u>23668-1</u>	<u>23689-1</u>	<u>23750-1</u>
\$5,827.37	\$5,827.37	\$5,837.52	\$5,837.52	\$5,933.73	\$5,940.92	\$7,982.44	\$8,477.66

Loose Trim Pneumatic Release Preaction Galvanized IPG V401

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23565-1</u>	<u>23586-1</u>	<u>23607-1</u>	<u>23628-1</u>	<u>23650-1</u>	<u>23671-1</u>	<u>23692-1</u>	<u>23753-1</u>
\$5,827.37	\$5,827.37	\$5,837.52	\$5,837.52	\$5,933.73	\$5,940.93	\$7,982.44	\$8,477.66

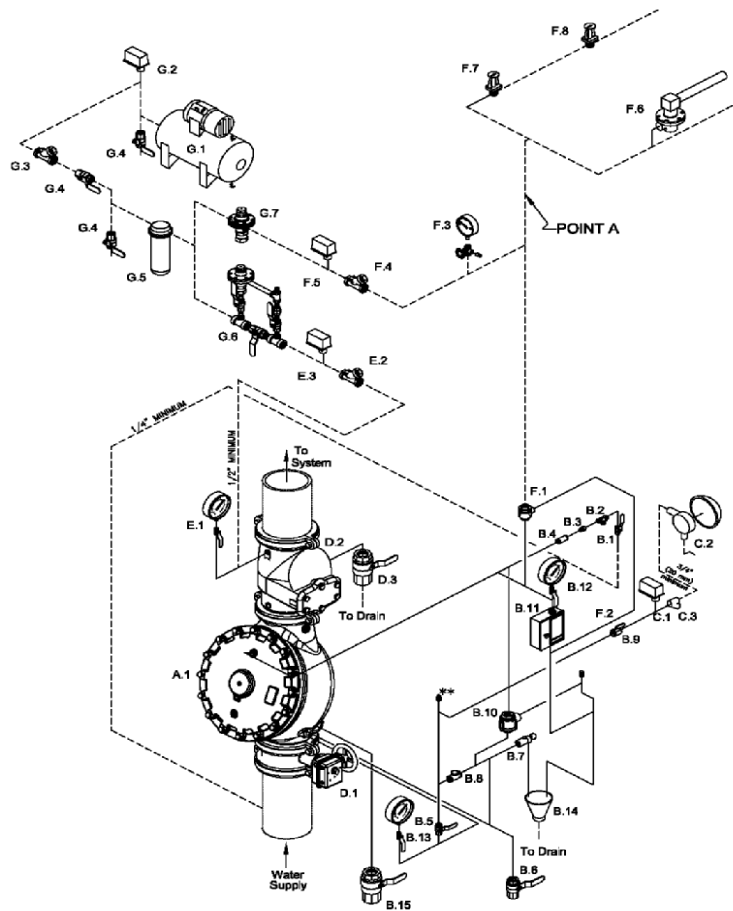
Loose Trim Electric/Pneumatic Release Preaction Galvanized IPG V401

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>23568-1</u>	<u>23589-1</u>	<u>23610-1</u>	<u>23631-1</u>	<u>23653-1</u>	<u>23674-1</u>	<u>23695-1</u>	<u>23756-1</u>
\$6,612.99	\$6,612.99	\$6,722.65	\$6,722.65	\$6,929.13	\$6,963.86	\$8,768.08	\$9,878.36

Riser Check Valve and Trim IPG V259/V220

1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10"
<u>11054</u>	<u>11059</u>	<u>07929</u>	<u>08507</u>	<u>08510</u>	<u>08513</u>	<u>08516</u>	<u>23788</u>
\$1,120.04	\$1,294.97	\$1,341.59	\$1,341.59	\$1,341.59	\$2,482.72	\$3,515.89	\$5,105.10

Preaction System - Single Interlocked - Pneumatic Release



SYSTEM COMPONENTS

- A. Valve**
 - A.1 Deluge Valve
- B. Deluge Valve Conventional Trim ***
 - (See Deluge Valve Conventional Trim Charts)
 - B.1 Priming Valve (Normally Open)
 - B.2 Strainer
 - B.3 1/16" Restricted Orifice
 - B.4 Spring Loaded Check Valve
 - B.5 Alarm Test Valve (Normally Closed)
 - B.6 Auxiliary Drain Valve (Normally Closed)
 - B.7 Drip Check Valve
 - B.8 Drain Check Valve
 - B.9 Alarm Shut-Off Valve (Normally Open)
 - B.10 Pressure Operated Relief Valve (P.O.R.V.)
 - B.11 Emergency Release
 - B.12 Priming Pressure Water Gauge and Valve
 - B.13 Water Supply Pressure Gauge and Valve
 - B.14 Drain Cup
 - B.15 Flow Test Valve (Normally Closed)
- C. Water Flow Alarm Equipment**
 - C.1 Alarm Pressure Switch and/or
 - C.2 Water Motor Alarm (Strainer Required)
 - C.3 Strainer
- D. Riser**
 - D.1 Water Supply Control Valve
 - D.2 Easy Riser: Check Valve or rubber seated check valve
 - D.3 Sprinkler System Main Drain
- E. Supervisory Air Supply**
 - E.1 System Pressure Gauge and Valve
 - E.2 Soft Seat Swing Check Valve
 - E.3 Air Pressure Supervisory Switch
- F. Release System**
 - F.1 Pneumatic Actuator
 - F.2 Pneumatic Release Module Trim
 - F.3 Air Pressure Gauge and Valve
 - F.4 Soft Seat Check Valve
 - F.5 Air Pressure Supervisory Switch
 - F.6 Thermostatic Release and/or
 - F.7 Fixed Temperature Release and/or
 - F.8 Pilot Head (Sprinkler)
- G. Air Supply**
 - G.1 Automatic Air Supply, Air Compressor and Tank shown for clarity.
 - G.2 Air Supervisory Pressure Switch (Compressor On/Off Control Switch)
 - G.3 Soft Seat Check Valve
 - G.4 Shut Off Valve (Indicating Ball Valve recommended.)
 - G.5 Dehydrator
 - G.6 Air maintenance Device & By-Pass Trim
 - G.7 Air maintenance Device

Components above are included in Quik Pik packages as customized by user.

Model F Deluge / Preaction Valve* - STRAIGHT THROUGH

V233	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Thread X Thread	12126	12059	12401	N/A	N/A	N/A	N/A
	\$4,781.59	\$4,942.18	\$6,526.22				
Flange X Flange	N/A	N/A	N/A	12014	11953	11955	11991
				\$6,526.22	\$8,501.01	\$11,627.84	\$26,338.47
Flange X Groove	N/A	N/A	N/A	12018	11952	11954	N/A
				\$6,526.22	\$8,501.01	\$11,627.84	
Groove X Groove	12125	12057	12403	12022	11513	11524	11018
	\$4,781.59	\$4,942.18	\$6,526.22	\$6,526.22	\$8,501.01	\$11,627.84	\$26,338.47

* Valve is not included in trim packages. Please order separately. See following page for trim packages and equipment.

Preaction System - Single Interlocked - Pneumatic Release

TrimPac® V251	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Straight-Through</u>	<u>13793B-4</u>	<u>13793B-4</u>	<u>13793B-4</u>	<u>13793B-4</u>	<u>13793B-4</u>	<u>13793B-4</u>	<u>13793B-4</u>
	\$8,337.72	\$8,337.72	\$8,337.72	\$8,337.72	\$8,337.72	\$8,337.72	\$8,337.72

TrimPac® includes conventional trim, releasing device (pneumatic actuator), releasing trim, and flexible hose kit.

Drain package for TrimPac® must be ordered separately (see below).

Drain Package (IPG V257)

<u>Use with TrimPac®</u> (order separately)	<u>11894-1</u>	<u>11894-2</u>	<u>11894-3</u>	<u>11894-3</u>	<u>11894-4</u>	<u>11894-4</u>	<u>11894-4</u>
	\$876.54	\$709.00	\$803.47	\$803.47	\$1,031.22	\$1,031.22	\$1,031.22

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Trim (Vertical - Straight Through Valve) - Galvanized (IPG 236)

<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14634-1</u>	<u>14634-1</u>	<u>14636-1</u>	<u>14636-1</u>	<u>14639-1</u>	<u>14641-1</u>	<u>14642-1</u>
	\$5,329.24	\$5,329.24	\$5,215.35	\$5,215.35	\$5,457.32	\$5,470.13	\$7,923.71
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14634-1P</u>	<u>14634-1P</u>	<u>14636-1P</u>	<u>14636-1P</u>	<u>14639-1P</u>	<u>14641-1P</u>	<u>14642-1P</u>
	\$5,810.40	\$5,810.40	\$5,696.46	\$5,696.46	\$5,940.73	\$5,953.48	\$8,407.08

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Releasing Devices (IPG V226)

<u>Pneumatic Actuator</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>
	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29

Releasing Trim - Galvanized (IPG V238)

<u>Loose Trim</u> (releasing device not incl.)	<u>10809</u>	<u>10809</u>	<u>10809</u>	<u>10809</u>	<u>10809</u>	<u>10809</u>	<u>10809</u>
	\$161.27	\$161.27	\$161.27	\$161.27	\$161.27	\$161.27	\$161.27
<u>Modular Trim</u> (releasing device not incl.)	<u>10809P</u>	<u>10809P</u>	<u>10809P</u>	<u>10809P</u>	<u>10809P</u>	<u>10809P</u>	<u>10809P</u>
	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70
<u>Loose Trim-DOMESTIC¹</u> (releasing device not incl.)	<u>10809USA</u>	<u>10809USA</u>	<u>10809USA</u>	<u>10809USA</u>	<u>10809USA</u>	<u>10809USA</u>	<u>10809USA</u>
	\$215.03	\$215.03	\$215.03	\$215.03	\$215.03	\$215.03	\$215.03

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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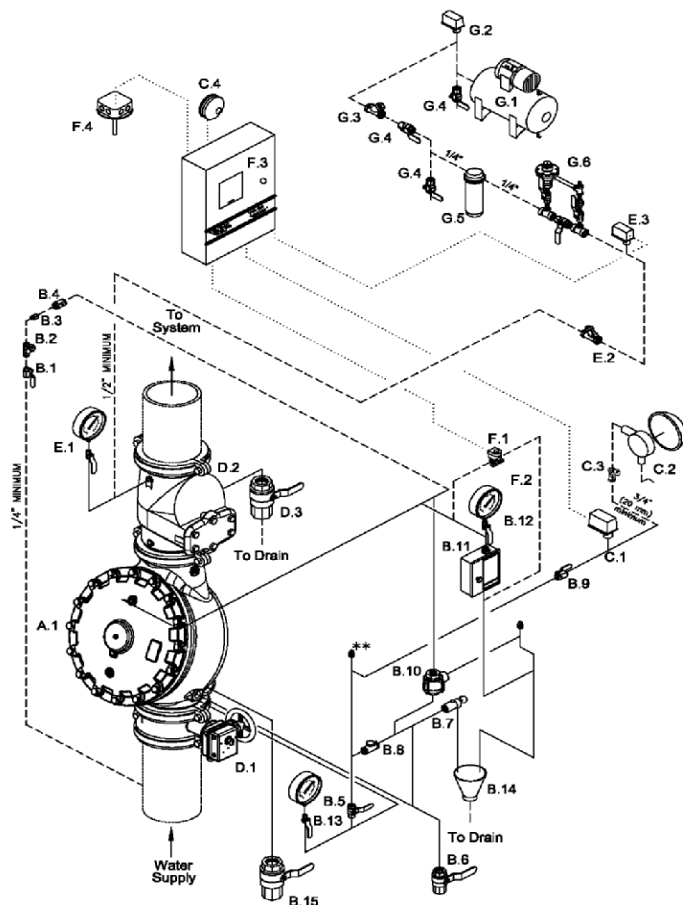
Riser Check Valve and Trim (IPG V259 / V222)

<u>Riser Check Valve</u> <u>Threaded</u>	<u>10659</u>	<u>10667</u>	N/A	N/A	N/A	N/A	N/A
	\$1,120.04	\$1,294.97					
<u>Riser Check Valve</u> <u>Flange / Flange</u>	N/A	N/A	N/A	<u>08505</u>	<u>08508</u>	<u>08511</u>	N/A
				\$1,860.75	\$1,917.26	\$3,161.20	
<u>Riser Check Valve</u> <u>Flange / Groove</u>	N/A	N/A	N/A	<u>08506</u>	<u>08509</u>	<u>08512</u>	<u>08515</u>
				\$1,578.11	\$1,624.35	\$2,688.26	\$3,804.99
<u>Riser Check Valve</u> <u>Groove / Groove</u>	<u>11054</u>	<u>11059</u>	<u>07929</u>	<u>08507</u>	<u>08510</u>	<u>08513</u>	<u>08516</u>
	\$1,120.04	\$1,294.97	\$1,341.59	\$1,341.59	\$1,341.59	\$2,482.72	\$3,515.89
<u>Riser Check Valve Trim</u> (For Preaction)	<u>12960</u>	<u>12960</u>	<u>13776</u>	<u>13776</u>	<u>13777</u>	<u>13777</u>	<u>13777</u>
	\$378.80	\$378.80	\$948.97	\$948.97	\$1,003.14	\$1,003.14	\$1,003.14

Riser check valve trim includes system main drain valve and air pressure gauge.

Please contact your customer service center for price and availability of non-interlocked preaction systems.

Precision System - Single Interlocked - Electric Release



----- Dashed lines indicate pipe required but not listed in "System Components" Table.
..... Dotted lines indicate electrical detection system wiring required but not listed in "System Components" Table. For additional wiring requirements refer to technical data for components used.

SYSTEM COMPONENTS

- A. Valve**
 - A.1 Deluge Valve
- B. Deluge Valve Conventional Trim ***
(See Deluge Valve Conventional Trim Charts)
 - B.1 Priming Valve (Normally Open)
 - B.2 Strainer
 - B.3 1/16" Restricted Orifice
 - B.4 Spring Loaded Check Valve
 - B.5 Alarm Test Valve (Normally Closed)
 - B.6 Auxiliary Drain Valve (Normally Closed)
 - B.7 Drip Check Valve
 - B.8 Drain Check Valve
 - B.9 Alarm Shut-Off Valve (Normally Open)
 - B.10 Pressure Operated Relief Valve (P.O.R.V.)
 - B.11 Emergency Release
 - B.12 Priming Pressure Water Gauge and Valve
 - B.13 Water Supply Pressure Gauge and Valve
 - B.14 Drain Cup
 - B.15 Flow Test Valve (Normally Closed)
- C. Water Flow Alarm Equipment**
 - C.1 Alarm Pressure Switch and/or
 - C.2 Water Motor Alarm (Strainer Required)
 - C.3 Strainer
 - C.4 Electric Alarm Bell
- D. Riser**
 - D.1 Water Supply Control Valve
 - D.2 Easy Riser Check Valve or rubber seated check valve
 - D.3 Sprinkler System Main Drain
- E. Supervisory Air Supply**
 - E.1 System Pressure Gauge and Valve
 - E.2 Soft Seat Swing Check Valve
 - E.3 Air Pressure Supervisory Switch
- F. Release System**
 - F.1 Solenoid Valve (Normally Closed)
 - F.2 Electric Release Trim
 - F.3 System Control Panel configured for Non-Interlocked Precision operation.
 - F.4 Electric Detection System. Heat Detector shown for clarity.
- G. Automatic Air Supply. Air Compressor and Tank shown for clarity.**
 - G.1 Automatic Air Supply. Air Compressor and Tank shown for clarity.
 - G.2 Air Supervisory Pressure Switch (Compressor On/Off Control Switch)
 - G.3 Soft Seat Check Valve
 - G.4 Shut Off Valve (Indicating Ball Valve recommended.)
 - G.5 Dehydrator
 - G.6 Air maintenance Device & By-Pass Trim
 - G.7 1/2 x 1/4" Reducing Coupling

Components shown above are included in Quik Pik packages as customized by user. See page O-5.

Model F Deluge / Precision Valve* - STRAIGHT THROUGH

V233	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Thread X Thread	<u>12126</u> \$4,781.59	<u>12059</u> \$4,942.18	<u>12401</u> \$6,526.22	N/A	N/A	N/A	N/A
Flange X Flange	N/A	N/A	N/A	<u>12014</u> \$6,526.22	<u>11953</u> \$8,501.01	<u>11955</u> \$11,627.84	<u>11991</u> \$26,338.47
Flange X Groove	N/A	N/A	N/A	<u>12018</u> \$6,526.22	<u>11952</u> \$8,501.01	<u>11954</u> \$11,627.84	N/A
Groove X Groove	<u>12125</u> \$4,781.59	<u>12057</u> \$4,942.18	<u>12403</u> \$6,526.22	<u>12022</u> \$6,526.22	<u>11513</u> \$8,501.01	<u>11524</u> \$11,627.84	<u>11018</u> \$26,338.47

See page O-19-20 for additional valve and trim options, including Halar® coated valves, horizontal trim, domestic trim, and brass trim packages.

* Valve is not included in trim packages. Please order separately. See following page for trim packages and equipment.

Preaction System - Single Interlocked - Electric Release

TrimPac® V234	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Straight-Through</u>	<u>13792B-3</u>	<u>13792B-3</u>	<u>13792B-3</u>	<u>13792B-3</u>	<u>13792B-3</u>	<u>13792B-3</u>	<u>13792B-3</u>
	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86

TrimPac® includes conventional trim, releasing device (solenoid valve), releasing trim, and flexible hose kit.

Drain package for TrimPac® must be ordered separately (see below).

Drain Package (IPG V257)

<u>Use with TrimPac®</u> (order separately)	<u>11894-1</u>	<u>11894-2</u>	<u>11894-3</u>	<u>11894-3</u>	<u>11894-4</u>	<u>11894-4</u>	<u>11894-4</u>
	\$876.54	\$709.00	\$803.47	\$803.47	\$1,031.22	\$1,031.22	\$1,031.22

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Trim (Vertical - Straight Through Valve) - Galvanized (IPG V236)

<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14634-1</u>	<u>14634-1</u>	<u>14636-1</u>	<u>14636-1</u>	<u>14639-1</u>	<u>14641-1</u>	<u>14642-1</u>
	\$5,329.24	\$5,329.24	\$5,215.35	\$5,215.35	\$5,457.32	\$5,470.13	\$7,923.71
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14634-1P</u>	<u>14634-1P</u>	<u>14636-1P</u>	<u>14636-1P</u>	<u>14639-1P</u>	<u>14641-1P</u>	<u>14642-1P</u>
	\$5,810.40	\$5,810.40	\$5,696.46	\$5,696.46	\$5,940.73	\$5,953.48	\$8,407.08

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Releasing Devices (IPG V240)

<u>Solenoid Valve</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>
	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55

Releasing Trim - Galvanized (IPG V238)

<u>Loose Trim</u> (releasing device not incl.)	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>
	\$166.50	\$166.50	\$166.50	\$166.50	\$166.50	\$166.50	\$166.50
<u>Modular Trim</u> (releasing device not incl.)	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>
	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70
<u>Loose Trim - DOMESTIC</u> (releasing device not incl.)	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>
	\$221.96	\$221.96	\$221.96	\$221.96	\$221.96	\$221.96	\$221.96

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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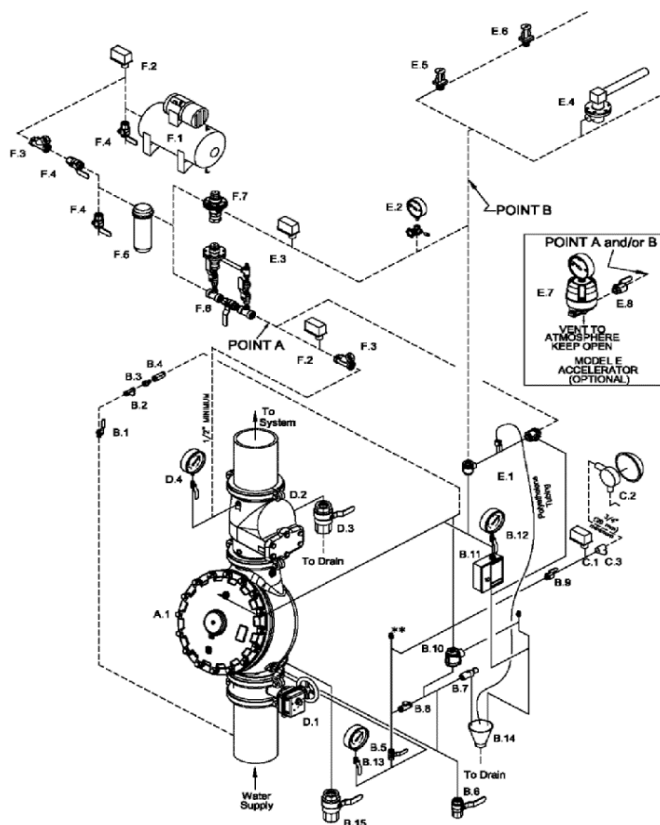
Riser Check Valve and Trim (IPG V259 / V222)

<u>Riser Check Valve</u> Threaded	<u>10659</u>	<u>10667</u>	N/A	N/A	N/A	N/A	N/A
	\$1,120.04	\$1,294.97					
<u>Riser Check Valve</u> Flange / Flange	N/A	N/A	N/A	<u>08505</u>	<u>08508</u>	<u>08511</u>	N/A
				\$1,860.75	\$1,917.26	\$3,161.20	
<u>Riser Check Valve</u> Flange / Groove	N/A	N/A	N/A	<u>08506</u>	<u>08509</u>	<u>08512</u>	<u>08515</u>
				\$1,578.11	\$1,624.35	\$2,688.26	\$3,804.99
<u>Riser Check Valve</u> Groove / Groove	<u>11054</u>	<u>11059</u>	<u>07929</u>	<u>08507</u>	<u>08510</u>	<u>08513</u>	<u>08516</u>
	\$1,120.04	\$1,294.97	\$1,341.59	\$1,341.59	\$1,341.59	\$2,482.72	\$3,515.89
<u>Riser Check Valve Trim</u> (For Preaction)	<u>12960</u>	<u>12960</u>	<u>13776</u>	<u>13776</u>	<u>13777</u>	<u>13777</u>	<u>13777</u>
	\$378.80	\$378.80	\$948.97	\$948.97	\$1,003.14	\$1,003.14	\$1,003.14

Riser check valve trim includes system main drain valve and air pressure gauge.

Please contact your customer service center for price and availability of non-interlocked preaction systems.

Preaction System - Double Interlocked - Pneumatic/Pneumatic Release



SYSTEM COMPONENTS

- A. Valve**
A.1 Deluge Valve
- B. Deluge Valve Conventional Trim ***
(See Deluge Valve Conventional Trim Charts)
B.1 Priming Valve (Normally Open)
B.2 Strainer
B.3 1/16" Restricted Orifice
B.4 Spring Loaded Check Valve
B.5 Alarm Test Valve (Normally Closed)
B.6 Auxiliary Drain Valve (Normally Closed)
B.7 Drip Check Valve
B.8 Drain Check Valve
B.9 Alarm Shut-Off Valve (Normally Open)
B.10 Pressure Operated Relief Valve (P.O.R.V.)
B.11 Emergency Release
B.12 Priming Pressure Water Gauge and Valve
B.13 Water Supply Pressure Gauge and Valve
B.14 Drain Cup
B.15 Flow Test Valve (Normally Closed)
- C. Water Flow Alarm Equipment**
C.1 Alarm Pressure Switch and/or
C.2 Water Motor Alarm (Strainer Required)
C.3 Strainer
- D. Riser**
D.1 Water Supply Control Valve
D.2 Easy Riser Check Valve or rubber seated check valve
D.3 Sprinkler System Main Drain
D.4 System Pressure Gauge and Valve
- E. Release System**
E.1 Pneumatic/Pneumatic Release Module Trim
E.2 Air Pressure Gauge and Valve
E.3 Air Pressure Supervisory Switch
E.4 Thermostatic Release and/or
E.5 Fixed Temperature Release and/or
E.6 Pilot Head (Sprinkler)
E.7 Accelerator (Optional. See Inset.)
E.8 Accelerator Isolation Valve (See Inset.)
- F. Air Supply**
F.1 Tank Mounted Air Compressor
F.2 Air Supervisory Pressure Switch (Compressor On/Off Control Switch)
F.3 Soft Seat Check Valve
F.4 Shut Off Valve (Indicating Ball Valve recommended.)
F.5 Dehydrator
F.6 Air maintenance Device & By-Pass Trim
F.7 Air maintenance Device
F.8 Air Pressure Supervisory Switch
F.9 Soft Seat Swing Check Valve

----- Dashed lines indicate pipe required but not included with Deluge Valve Conventional Trim and Easy Riser Check Valve Trim Packages.

* Viking Deluge Valve Trim Packages contain items B.1 through B.15 and associated nipples. Viking Accessory Package for Conventional Deluge Valve Trim contains B.2 through B.5, B.7 through B.11, and B.14.

Model F Deluge / Preaction Valve* - STRAIGHT THROUGH

V233	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Thread X Thread	<u>12126</u> \$4,781.59	<u>12059</u> \$4,942.18	<u>12401</u> \$6,526.22	N/A	N/A	N/A	N/A
Flange X Flange	N/A	N/A	N/A	<u>12014</u> \$6,526.22	<u>11953</u> \$8,501.01	<u>11955</u> \$11,627.84	<u>11991</u> \$26,338.47
Flange X Groove	N/A	N/A	N/A	<u>12018</u> \$6,526.22	<u>11952</u> \$8,501.01	<u>11954</u> \$11,627.84	N/A
Groove X Groove	<u>12125</u> \$4,781.59	<u>12057</u> \$4,942.18	<u>12403</u> \$6,526.22	<u>12022</u> \$6,526.22	<u>11513</u> \$8,501.01	<u>11524</u> \$11,627.84	<u>11018</u> \$26,338.47

See page O-19-20 for additional valve and trim options, including Halar® coated valves, horizontal trim, domestic trim, and brass trim packages.

* Valve is not included in trim packages. Please order separately. See following page for trim packages and equipment.

Preaction System - Double Interlocked - Pneumatic/Pneumatic Release

	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Trim (Vertical - Straight Through Valve) - Galvanized (IPG V236)							
<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14634-1</u> \$5,329.24	<u>14634-1</u> \$5,329.24	<u>14636-1</u> \$5,215.35	<u>14636-1</u> \$5,215.35	<u>14639-1</u> \$5,457.32	<u>14641-1</u> \$5,470.13	<u>14642-1</u> \$7,923.71
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14634-1P</u> \$5,810.40	<u>14634-1P</u> \$5,810.40	<u>14636-1P</u> \$5,696.46	<u>14636-1P</u> \$5,696.46	<u>14639-1P</u> \$5,940.73	<u>14641-1P</u> \$5,953.48	<u>14642-1P</u> \$8,407.08

	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Releasing Devices (IPG V226)							
<u>Pneumatic Actuator</u>	<u>06459B</u> \$1,029.29	<u>06459B</u> \$1,029.29	<u>06459B</u> \$1,029.29	<u>06459B</u> \$1,029.29	<u>06459B</u> \$1,029.29	<u>06459B</u> \$1,029.29	<u>06459B</u> \$1,029.29

On pneumatic/pneumatic preaction systems only, releasing devices (pneumatic actuators) are included in releasing trim.

Releasing Trim - Galvanized (IPG V238)

<u>Loose Trim</u>	<u>12662-1</u> \$2,771.31	<u>12662-1</u> \$2,771.31	<u>12662-1</u> \$2,771.31	<u>12662-1</u> \$2,771.31	<u>12662-1</u> \$2,771.31	<u>12662-1</u> \$2,771.31	<u>12662-1</u> \$2,771.31
<u>Modular Trim</u>	<u>12662-1P</u> P.O.A.	<u>12662-1P</u> P.O.A.	<u>12662-1P</u> P.O.A.	<u>12662-1P</u> P.O.A.	<u>12662-1P</u> P.O.A.	<u>12662-1P</u> P.O.A.	<u>12662-1P</u> P.O.A.

On pneumatic/pneumatic preaction systems only, releasing devices (pneumatic actuators) are included in releasing trim.

	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Riser Check Valve and Trim (IPG V259 / V222)							
<u>Riser Check Valve</u> Threaded	<u>10659</u> \$1,120.04	<u>10667</u> \$1,294.97	N/A	N/A	N/A	N/A	N/A
<u>Riser Check Valve</u> Flange / Flange	N/A	N/A	N/A	<u>08505</u> \$1,860.75	<u>08508</u> \$1,917.26	<u>08511</u> \$3,161.20	N/A
<u>Riser Check Valve</u> Flange / Groove	N/A	N/A	N/A	<u>08506</u> \$1,578.11	<u>08509</u> \$1,624.35	<u>08512</u> \$2,688.26	<u>08515</u> \$3,804.99
<u>Riser Check Valve</u> Groove / Groove	<u>11054</u> \$1,120.04	<u>11059</u> \$1,294.97	<u>07929</u> \$1,341.59	<u>08507</u> \$1,341.59	<u>08510</u> \$1,341.59	<u>08513</u> \$2,482.72	<u>08516</u> \$3,515.89
<u>Riser Check Valve Trim</u> (For Preaction)	<u>12960</u> \$378.80	<u>12960</u> \$378.80	<u>13776</u> \$948.97	<u>13776</u> \$948.97	<u>13777</u> \$1,003.14	<u>13777</u> \$1,003.14	<u>13777</u> \$1,003.14

Riser check valve trim includes system main drain valve and air pressure gauge.

Preaction System - Double Interlocked - Electric/Pneumatic Release

TrimPac® V234	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Straight-Through</u>	<u>13794B-5</u>	<u>13794B-5</u>	<u>13794B-5</u>	<u>13794B-5</u>	<u>13794B-5</u>	<u>13794B-5</u>	<u>13794B-5</u>
	\$9,979.96	\$9,979.96	\$9,979.96	\$9,979.96	\$9,979.96	\$9,979.96	\$9,979.96

TrimPac® includes conventional trim, releasing devices, releasing trim, and flexible hose kit.

Drain package for TrimPac® must be ordered separately (see below).

Drain Package (IPG V257)

<u>Use with TrimPac®</u>	<u>11894-1</u>	<u>11894-2</u>	<u>11894-3</u>	<u>11894-3</u>	<u>11894-4</u>	<u>11894-4</u>	<u>11894-4</u>
(order separately)	\$876.54	\$709.00	\$803.47	\$803.47	\$1,031.22	\$1,031.22	\$1,031.22

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Trim (Vertical - Straight Through Valve) - Galvanized (IPG V236)

<u>Loose Trim</u>	<u>14634-1</u>	<u>14634-1</u>	<u>14636-1</u>	<u>14636-1</u>	<u>14639-1</u>	<u>14641-1</u>	<u>14642-1</u>
(incl. accessory pkg-09316)	\$5,329.24	\$5,329.24	\$5,215.35	\$5,215.35	\$5,457.32	\$5,470.13	\$7,923.71
<u>Modular Trim</u>	<u>14634-1P</u>	<u>14634-1P</u>	<u>14636-1P</u>	<u>14636-1P</u>	<u>14639-1P</u>	<u>14641-1P</u>	<u>14642-1P</u>
(incl. accessory pkg-09316)	\$5,810.40	\$5,810.40	\$5,696.46	\$5,696.46	\$5,940.73	\$5,953.48	\$8,407.08

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Releasing Devices

<u>Solenoid Valve</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>
IPG V240	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55
<u>Pneumatic Actuator</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>	<u>06459B</u>
IPG V226	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29	\$1,029.29

Releasing Trim - Galvanized (IPG V238)

<u>Loose Trim</u>	<u>12661-1</u>	<u>12661-1</u>	<u>12661-1</u>	<u>12661-1</u>	<u>12661-1</u>	<u>12661-1</u>	<u>12661-1</u>
(releasing device not incl.)	\$172.77	\$172.77	\$172.77	\$172.77	\$172.77	\$172.77	\$172.77
<u>Modular Trim</u>	<u>12661-1P</u>	<u>12661-1P</u>	<u>12661-1P</u>	<u>12661-1P</u>	<u>12661-1P</u>	<u>12661-1P</u>	<u>12661-1P</u>
(releasing device not incl.)	\$689.96	\$689.96	\$689.96	\$689.96	\$689.96	\$689.96	\$689.96
<u>Loose Trim - DOMESTIC</u>	<u>12661-1USA</u>	<u>12661-1USA</u>	<u>12661-1USA</u>	<u>12661-1USA</u>	<u>12661-1USA</u>	<u>12661-1USA</u>	<u>12661-1USA</u>
(releasing device not incl.)	\$230.37	\$230.37	\$230.37	\$230.37	\$230.37	\$230.37	\$230.37

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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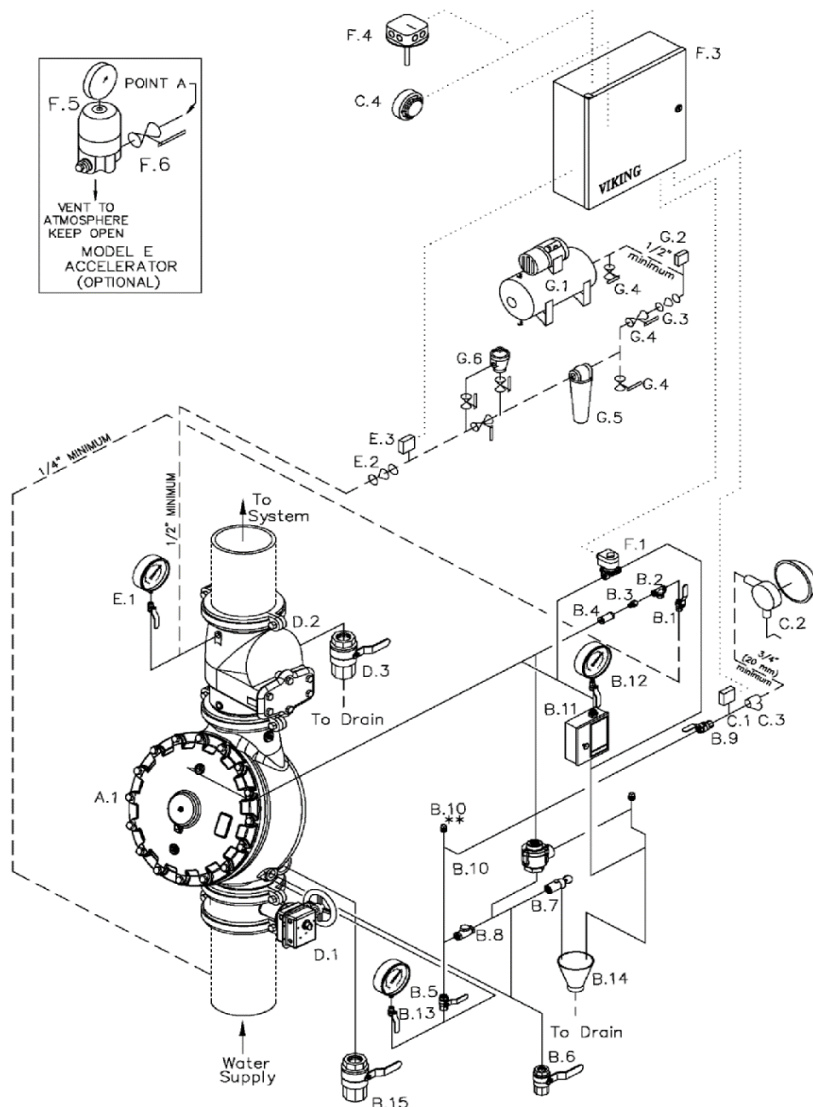
Riser Check Valve and Trim (IPG V259 / V222)

<u>Riser Check Valve</u>	<u>10659</u>	<u>10667</u>	N/A	N/A	N/A	N/A	N/A
Threaded	\$1,120.04	\$1,294.97					
<u>Riser Check Valve</u>	N/A	N/A	N/A	<u>08505</u>	<u>08508</u>	<u>08511</u>	N/A
Flange / Flange				\$1,860.75	\$1,917.26	\$3,161.20	
<u>Riser Check Valve</u>	N/A	N/A	N/A	<u>08506</u>	<u>08509</u>	<u>08512</u>	<u>08515</u>
Flange / Groove				\$1,578.11	\$1,624.35	\$2,688.26	\$3,804.99
<u>Riser Check Valve</u>	<u>11054</u>	<u>11059</u>	<u>07929</u>	<u>08507</u>	<u>08510</u>	<u>08513</u>	<u>08516</u>
Groove / Groove	\$1,120.04	\$1,294.97	\$1,341.59	\$1,341.59	\$1,341.59	\$2,482.72	\$3,515.89
<u>Riser Check Valve Trim</u>	<u>12960</u>	<u>12960</u>	<u>13776</u>	<u>13776</u>	<u>13777</u>	<u>13777</u>	<u>13777</u>
(For Preaction)	\$378.80	\$378.80	\$948.97	\$948.97	\$1,003.14	\$1,003.14	\$1,003.14

Riser check valve trim includes system main drain valve and air pressure gauge.

Preaction System - Double Interlocked - Electric/Pneu-lectric Release

Description



- A.1 Deluge valve
Deluge valve conventional trim including:
B.1 Priming connection ball valve (N.O.)
B.2 Y strainer
B.3 Restricted orifice
B.4 Spring loaded in-line check valve
B.5 Alarm test valve (normally closed)
B.6 Auxiliary drain valve (normally closed)
B.7 Drip check valve
B.8 Drain check valve
B.9 Alarm shut-off valve (normally open)
B.10 Pressure operated relief valve (PORV)
B.11 Model c emergency release
B.12 Priming pressure water gauge & valve
B.13 Water supply pressure gauge & valve
B.14 Drain cup
B.15 Flow test valve (normally closed)
C.1 Alarm pressure switch and/or
C.2 Model F-2 water motor alarm including:
C.3 3/4\" / DN20 alarm line Y strainer
C.4 Electric alarm bell
D.1 Water supply control valve
D.2 Easy Riser® check valve
Easy Riser® trim for preaction (including)
D.3 System main drain valve
E.1 Air pressure gauge and valve
E.2 Soft seat air supply check valve
E.3 Air pressure supervisory switch
F.1 Solenoid valve (normally closed)
F.2 Electric release module trim
F.3 VFR-500 Release control panel
F.4 Electric detection system
F.5 Model E-1 accelerator (optional)
F.6 Accelerator isolation ball valve
G.1 Automatic air supply
G.2 Air pressure supervisory switch
G.3 Soft seat air supply check valve
G.4 Shut-off ball valve
G.5 Dehydrator package
G.6 D-2 air maintenance device & by-pass trim

Components shown above are included in Quik Pik packages as customized by user. See page O-11.

Model F Deluge / Preaction Valve* - STRAIGHT THROUGH

V233	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Thread X Thread	<u>12126</u> \$4,781.59	<u>12059</u> \$4,942.18	<u>12401</u> \$6,526.22	N/A	N/A	N/A	N/A
Flange X Flange	N/A	N/A	N/A	<u>12014</u> \$6,526.22	<u>11953</u> \$8,501.01	<u>11955</u> \$11,627.84	<u>11991</u> \$26,338.47
Flange X Groove	N/A	N/A	N/A	<u>12018</u> \$6,526.22	<u>11952</u> \$8,501.01	<u>11954</u> \$11,627.84	N/A
Groove X Groove	<u>12125</u> \$4,781.59	<u>12057</u> \$4,942.18	<u>12403</u> \$6,526.22	<u>12022</u> \$6,526.22	<u>11513</u> \$8,501.01	<u>11524</u> \$11,627.84	<u>11018</u> \$26,338.47

* Valve is not included in trim packages. Please order separately. See following page for trim packages and equipment.

Preaction System - Double Interlocked - Electric/Pneu-lectric Release

TrimPac® V234	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Straight-Through</u>	<u>13796B-6</u>	<u>13796B-6</u>	<u>13796B-6</u>	<u>13796B-6</u>	<u>13796B-6</u>	<u>13796B-6</u>	<u>13796B-6</u>
	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86	\$8,490.86

TrimPac® includes conventional trim, releasing device (solenoid valve), releasing trim, and flexible hose kit.

Drain package for TrimPac® must be ordered separately (see below).

Drain Package (IPG V257)

Use with TrimPac® (order separately)	<u>11894-1</u>	<u>11894-2</u>	<u>11894-3</u>	<u>11894-3</u>	<u>11894-4</u>	<u>11894-4</u>	<u>11894-4</u>
	\$876.54	\$709.00	\$803.47	\$803.47	\$1,031.22	\$1,031.22	\$1,031.22

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Trim (Vertical - Straight Through Valve) - Galvanized (IPG V236)

<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14634-1</u>	<u>14634-1</u>	<u>14636-1</u>	<u>14636-1</u>	<u>14639-1</u>	<u>14641-1</u>	<u>14642-1</u>
	\$5,329.24	\$5,329.24	\$5,215.35	\$5,215.35	\$5,457.32	\$5,470.13	\$7,923.71
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14634-1P</u>	<u>14634-1P</u>	<u>14636-1P</u>	<u>14636-1P</u>	<u>14639-1P</u>	<u>14641-1P</u>	<u>14642-1P</u>
	\$5,810.40	\$5,810.40	\$5,696.46	\$5,696.46	\$5,940.73	\$5,953.48	\$8,407.08

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Releasing Devices (IPG V240)

<u>Solenoid Valve</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>	<u>11601</u>
	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55	\$1,597.55

Releasing Trim - Galvanized (IPG V238)

<u>Loose Trim</u> (releasing device not incl.)	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>	<u>10830</u>
	\$166.50	\$166.50	\$166.50	\$166.50	\$166.50	\$166.50	\$166.50
<u>Modular Trim</u> (releasing device not incl.)	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>	<u>10830P</u>
	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70	\$718.70
<u>Loose Trim - DOMESTIC</u> (releasing device not incl.)	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>	<u>10830USA</u>
	\$221.96	\$221.96	\$221.96	\$221.96	\$221.96	\$221.96	\$221.96

1-1/2"	2"	2-1/2"	3"	4"	6"	8"
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Riser Check Valve and Trim (IPG V259 / V222)

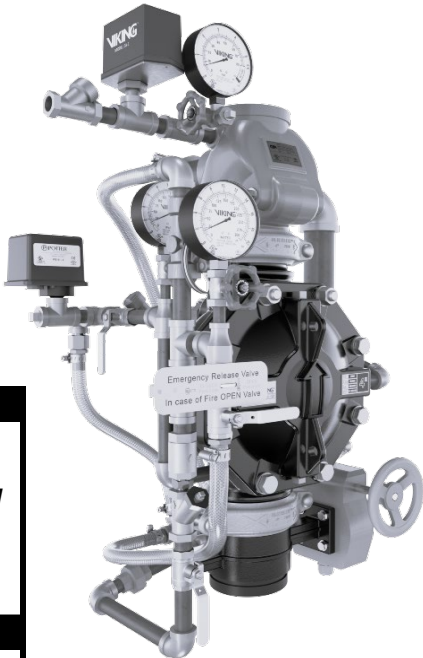
<u>Riser Check Valve</u> Threaded	<u>10659</u>	<u>10667</u>	N/A	N/A	N/A	N/A	N/A
	\$1,120.04	\$1,294.97					
<u>Riser Check Valve</u> Flange / Flange	N/A	N/A	N/A	<u>08505</u>	<u>08508</u>	<u>08511</u>	N/A
				\$1,860.75	\$1,917.26	\$3,161.20	
<u>Riser Check Valve</u> Flange / Groove	N/A	N/A	N/A	<u>08506</u>	<u>08509</u>	<u>08512</u>	<u>08515</u>
				\$1,578.11	\$1,624.35	\$2,688.26	\$3,804.99
<u>Riser Check Valve</u> Groove / Groove	<u>11054</u>	<u>11059</u>	<u>07929</u>	<u>08507</u>	<u>08510</u>	<u>08513</u>	<u>08516</u>
	\$1,120.04	\$1,294.97	\$1,341.59	\$1,341.59	\$1,341.59	\$2,482.72	\$3,515.89
<u>Riser Check Valve Trim</u> (For Preaction)	<u>12960</u>	<u>12960</u>	<u>13776</u>	<u>13776</u>	<u>13777</u>	<u>13777</u>	<u>13777</u>
	\$378.80	\$378.80	\$948.97	\$948.97	\$1,003.14	\$1,003.14	\$1,003.14

Riser check valve trim includes system main drain valve and air pressure gauge.

Model VXD Double Interlock Preaction System, Electric/Pneu-Letric Release with Model EA-1



Model EA-1 Electronic Accelerator*
*See page O-16 for list price



Pretrimmed Option

Pretrimmed Riser assemblies include the model VXD Deluge Valve, riser check valve, pressure switches, releasing solenoid, water supply control valve, grooved connections for installation, and the EA-1 all completely assembled and ready to install into the riser.

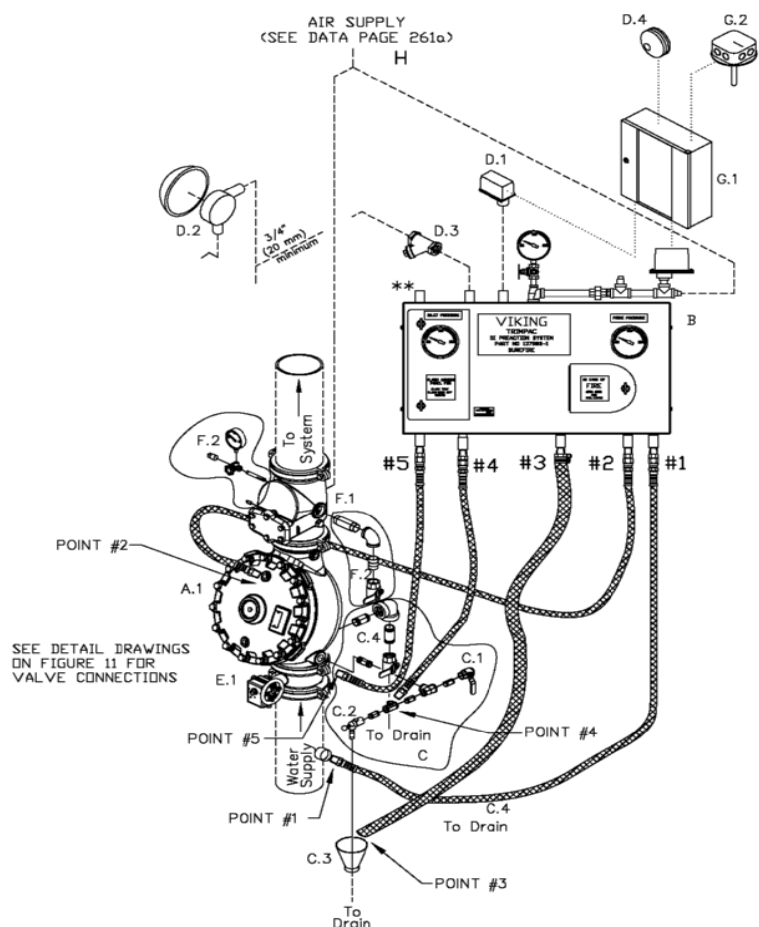
IPG: V405	4"	6"	8"
Galvanized Pretrimmed Riser (PTR)	26680 \$26,142.56	26682 \$26,916.84	26684 \$40,151.40

Loose Trim Options

Loose trim packages DO NOT include the model VXD Deluge Valve, riser check valve, pressure switch(es), or water supply control valve. These packages include the Model EA-1 Accelerator and the CoilKeeper. Refer to the trim diagrams for detailed component information.

IPG: V401	4"	6"	8"	10"
Galvanized Loose Trim	27463-1 \$11,806.55	27465-1 \$11,806.55	27467-1 \$14,254.49	27469-1 \$14,254.49
IPG: V401	4"	6"	8"	10"
Brass Loose Trim	27463-2 \$13,613.41	27465-2 \$13,613.41	27467-2 \$16,793.10	27469-2 \$16,793.10

SUREFIRE SINGLE INTERLOCKED
PREACTION SYSTEM



- A System Valve
 - A.1 Deluge Valve
- B Trimpac
 - Trimpac Components (CS)
- C Trimpac Drain Package
 - C.1 Auxiliary Drain Valve (NC)
 - C.2 Drip Check Valve
 - C.3 Drain Cup
 - C.4 Flow Test Valve (NC)
- D Water Flow Alarm Equipment
 - D.1 Alarm Pressure Switch
 - D.2 Water Motor Alarm (F-2) (Optional)
 - D.3 Strainer
 - D.4 Electric Alarm Bell
- E Riser
 - E.1 Water Supply Control Valve
- F Check Valve
 - F.1 2-1/2"-6" Easy Riser Check Valve
 - F.2 Check Valve Trim
- G Release System
 - G.1 Par-3 or VFR400 Release Control Panel (VFR400 Panel available 1st qtr. 2008)
 - G.2 Electric Detection System (Heat Detector shown for clarity)
- H Air Supply

Model F Deluge / Preaction Valve* - STRAIGHT THROUGH

V233	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Thread X Thread	<u>12126</u> \$4,781.59	<u>12059</u> \$4,942.18	<u>12401</u> \$6,526.22	N/A	N/A	N/A	N/A
Flange X Flange	N/A	N/A	N/A	<u>12014</u> \$6,526.22	<u>11953</u> \$8,501.01	<u>11955</u> \$11,627.84	<u>11991</u> \$26,338.47
Flange X Groove	N/A	N/A	N/A	<u>12018</u> \$6,526.22	<u>11952</u> \$8,501.01	<u>11954</u> \$11,627.84	N/A
Groove X Groove	<u>12125</u> \$4,781.59	<u>12057</u> \$4,942.18	<u>12403</u> \$6,526.22	<u>12022</u> \$6,526.22	<u>11513</u> \$8,501.01	<u>11524</u> \$11,627.84	<u>11018</u> \$26,338.47

* Valve is not included in trim packages. Please order separately. See following page for trim packages and equipment.

SureFire® Preaction System - Single/Double Interlocked

Viking's SureFire® fail safe preaction system is available in TrimPac arrangement only. Loose or modular trim not offered.

TrimPac® ^{1,2,3} V234	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Single Interlock (includes release & trim)	<u>13798D-1</u> \$11,464.39	<u>13798D-1</u> \$11,464.39	<u>13798D-1</u> \$11,464.39	<u>13798D-1</u> \$11,464.39	<u>13798D-1</u> \$11,464.39	<u>13798D-1</u> \$11,464.39	<u>13798D-1</u> \$11,464.39
Double Interlock (includes release & trim)	<u>13799D-2</u> \$12,537.80	<u>13799D-2</u> \$12,537.80	<u>13799D-2</u> \$12,537.80	<u>13799D-2</u> \$12,537.80	<u>13799D-2</u> \$12,537.80	<u>13799D-2</u> \$12,537.80	<u>13799D-2</u> \$12,537.80

(1) SureFire® TrimPac® systems include conventional trim, releasing device, releasing trim, and flexible hose kit.

(2) Drain package for TrimPac® must be ordered separately (see below).

(3) Galvanized trim. Brass trim options shown on page O-19.

Drain Package (IPG V257)

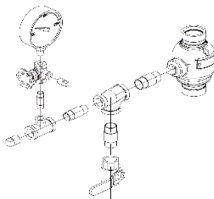
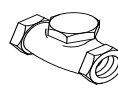
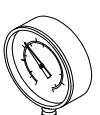
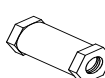
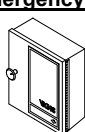
Use with TrimPac® (order separately)	<u>11894-1</u> \$876.54	<u>11894-2</u> \$709.00	<u>11894-3</u> \$803.47	<u>11894-3</u> \$803.47	<u>11894-4</u> \$1,031.22	<u>11894-4</u> \$1,031.22	<u>11894-4</u> \$1,031.22
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	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Riser Check Valve and Trim (IPG V259 / V222)							
Riser Check Valve Threaded	<u>10659</u> \$1,120.04	<u>10667</u> \$1,294.97	N/A	N/A	N/A	N/A	N/A
Riser Check Valve Flange / Flange	N/A	N/A	N/A	<u>08505</u> \$1,860.75	<u>08508</u> \$1,917.26	<u>08511</u> \$3,161.20	N/A
Riser Check Valve Flange / Groove	N/A	N/A	N/A	<u>08506</u> \$1,578.11	<u>08509</u> \$1,624.35	<u>08512</u> \$2,688.26	<u>08515</u> \$3,804.99
Riser Check Valve Groove / Groove	<u>11054</u> \$1,120.04	<u>11059</u> \$1,294.97	<u>07929</u> \$1,341.59	<u>08507</u> \$1,341.59	<u>08510</u> \$1,341.59	<u>08513</u> \$2,482.72	<u>08516</u> \$3,515.89
Riser Check Valve Trim (For Preaction)	<u>12960</u> \$378.80	<u>12960</u> \$378.80	<u>13776</u> \$948.97	<u>13776</u> \$948.97	<u>13777</u> \$1,003.14	<u>13777</u> \$1,003.14	<u>13777</u> \$1,003.14

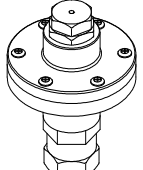
Riser check valve trim includes system main drain valve and air pressure gauge.

Accessories for TrimPac®			
Replacement Hose PVC drain hose		V234	Riser Mounting Kit (use when mounting TrimPac® unit to riser)
	<u>12071</u> \$233.57		Vertical <u>11900</u> \$1,621.97
			Horizontal <u>11901</u> \$2,230.32
Air Line Trim - TANK MOUNTED (not for use with Deluge TrimPac® Systems)		V234	Air Line Trim - TANKLESS (not for use with Deluge TrimPac® Systems)
	<u>13770</u> \$2,932.66		<u>13771</u> \$1,858.06

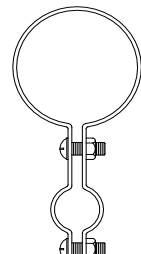
Accessories and Additional Components

<u>In-Line Check Valves</u>			<u>In-Line Check Valve Trim (1-1/2" - 2")</u>			<u>Ball Valve</u> IPG V226			
 <u>Model K-1 (threaded)</u> 1 1/2" 10659 \$1,120.04 2" 10667 \$1,294.97 <u>Model L-1 (grooved)</u> 1 1/2" 11054 \$1,120.04 2" 11059 \$1,294.97 IPG V259			 <u>Model L-1 / K-1</u> 12960 \$378.80 IPG V222			 <u>Brass</u> 1/4" 10354USA \$74.68 1/2" 10355USA \$76.90 1" 10356 \$106.25 <u>Stainless Steel</u> 10645 \$444.76 10646 \$709.40 10647 \$859.91 10648 \$1,639.12 10649 \$2,224.90			
<u>Pressure Operated Relief Valve (PORV) - Model D-3</u>				<u>Pressure Operated Relief Valve (PORV) - Model D-4</u>					
 1/2" / DN15 <u>Brass</u> 16970 \$2,403.04 IPG V242				 1/2" / DN15 <u>Corrosion Resistant</u> 16971 \$3,696.98 IPG V242					
<u>Restricted Orifice</u> IPG V226			<u>Air Gauge</u>			<u>Globe Valve for Gauges (side outlet)</u>			
 1/4" (DN8) 1/16" (1.6mm) 10110 \$62.22 <u>Corrosion Resistant</u> 1/16" (1.6mm) 10110J \$145.03			 0-300 psi (2068 kPa) 1/4" / DN8 VAIRSF \$29.92 IPG SR295			 1/4" / DN8 76V-25 \$26.52 IPG V226			
<u>Drip Check Valve - Model D-1</u>			<u>Drain Cup</u>			<u>Drain Check Valve</u> IPG V226			
Velocity Check 3/4" / DN20 10730 \$314.48 <u>Corrosion Resistant (D-4)</u> IPG V226 10733 \$474.35			 1 1/2" / DN40 01019B \$30.80 IPG V226			 1/2" / DN15 05781A \$160.03 <u>Corrosion Resistant</u> 05781AJ \$334.79			
<u>Y Strainer</u> IPG SR260			<u>Water Gauge</u>			<u>In-Line Check Valve</u> IPG V226			
 1/4" / DN15 14BYS \$43.22			 0-300 psi 1/4" VWATERSF \$31.27 IPG SR295			 1/4" / DN8 04947A \$148.86			
<u>Accessories for TrimPac® (IPG V234)</u>				<u>Restricted Orifice</u>		<u>EA-1 Electronic Accelerator</u>			
<u>Riser Mounting Kit</u> (when mounting TrimPac to riser) <u>Vertical</u> 11900 \$1,621.97 <u>Horizontal</u> 11901 \$2,230.32				 1/2" / DN15 11706 \$128.52 IPG V226		 27327 \$3,634.27 IPG V226			
<u>Replacement Hose</u>				<u>Emergency Release</u>					
PVC drain hose 12071 \$233.57						<u>1/2" (Galvanized)</u> <u>Model C-1</u> 01553C \$614.74		<u>Brass</u> <u>Model C-2</u> 09387 \$1,025.43	<u>Corrosion Resistant</u> <u>Model C-3</u> 09734 \$1,258.05 IPG V226
<u>Air Line Trim</u> (not for use with Deluge TrimPac System) <u>Tank Mounted</u> 13770 \$2,932.66 <u>Tankless</u> 13771 \$1,858.06				<u>Prime Shut-Off Valve</u> IPG V226					
				 1/2" / DN15 10723 \$1,361.58 <u>Corrosion Resistant</u> 10724 \$2,433.74					
<u>Accessories for Old Style Trim</u>									
<u>A-2 Strainer Orifice Chk Vlv</u>			<u>Alarm Test/Alarm Shut-Off Valve</u>				<u>Spring Loaded Check Valve</u>		
 1/4" (DN8) 06579B \$584.48 V226			 1/2" (DN15) 06174A \$629.32 V226				 (with viton disc) 1/2" (DN15) 12WILC \$289.70 SR140		

Accessories for Pneumatic Release Systems

Pneumatic Actuator  1/2" (DN15) Model H-1 06459B \$1,029.29 Corrosion Resistant (Model R-1) 09733 \$2,322.05 IPG V226	Accelerator (Model E-1)  Model E-1 List 08055 \$2,545.24 IPG V226
Model D-2 - Air Pressure Maintenance Device  Size Part # List Price 1/4" / DN8 02280C \$1,215.26 IPG V226	Model D-2 - Air Pressure Maintenance Device  Size Part # List Price 1/2" / DN15 07459 \$2,135.55 DOMESTIC Size Part # List Price 1/2" / DN15 07459USA \$2,847.38 IPG V226
Dehydrator Package Includes: - Desiccant 1/4" (DN8) 16854 \$2,875.36 - Mounting Brackets 16855 \$651.03 - Nipples Extra Desiccant* 16855 \$651.03 IPG V226 *one unit fills dehydrator	Replacement Restriction Release Line Air Supply  Part # List Price 02902B \$294.44 IPG V226

Accessories for Pneumatic and Hydraulic Systems

Thermostatic Release (Model C-1) (Includes 155°F/68°C fixed temperature release)				Thermostatic Release (Model C-2) (Includes 155°F/68°C fixed temperature release)			
		- indoor and outdoor use		- indoor and outdoor use			
		<u>Standard</u>		<u>Standard</u>			
		01432C \$2,722.50		03991C-18 \$3,239.70			
		<u>Nitrogen Tested</u>		<u>Nitrogen Tested</u>			
		05006A \$2,932.80		10367 \$3,450.02			
		IPG V226		IPG V226			
Fixed Temperature Release (Model M HP - VK800) 1/2" (15 mm) - RATED TO 250 PSI (1724 kPa) IPG V226				Replacement Fixed Temperature Release 155°F/68°C			
		Brass 07848AB \$86.36		Model C-1			
		Chrome 07848FB \$92.58		07848FB \$92.58			
		White 07848MB/W \$94.35		Model C-2			
				07848CB \$110.38			
				IPG V226			
Add the temperature suffix to the part number (155 deg shown): (°F/°C) A=135°/57°, B=155°/68°, D=175°/79°, E=200°/93°, G=286°/141°							
Operation Indicator				Adjustment Kit			
Includes:		1/2" (DN15)		Includes:			
- indoor and outdoor use		02944A \$106.81		- indoor and outdoor use			
- corrosion resistant				- corrosion resistant			
		IPG V226				Model C-1 and C-2 01714A \$325.50 IPG V226	
Release Line Hangers - includes two screws/nuts IPG V226				IPG V226			
	Size in/DN	1/2"		1"			
	1" / DN25	09574	\$53.18	25660	\$36.37		
	1 1/4" / DN32	09575	\$36.37	25661	\$36.37		
	1 1/2" / DN40	09576	\$36.37	25662	\$36.37		
	2" / DN50	09577	\$36.37	25663	\$36.37		
	2 1/2" / DN65	09578	\$36.37	25664	\$36.37		
	3" / DN80	09579	\$36.37	25665	\$36.37		
	Stainless steel available upon request at additional cost. Add suffix "SST" to base part number.						

Accessories for Electric Release Systems

SOLENOID VALVES (1/2" / DN15)				IPG V240
Normally Closed (rated to 250 psi (1724 kPa))				
	<u>Deluge & Preaction, SureFire</u>		<u>Part No.</u>	<u>List Price</u>
	NEMA 1,2,3,3S,4,4X	24 VDC	11601	\$1,597.55
	<u>Explosion Proof</u>			
	NEMA 3,3S,4,4X,6,6P,7,9	24 VDC	11602	\$2,669.90
Normally Closed (rated to 300 psi (2068 kPa))				
	<u>Firecycle III, TotalPac & Special Application</u>			
	NEMA 2,3,3S,4,4X	24 VDC	11591	\$2,039.72
	NEMA 1,2,3,3S,4,4X	110 VAC/50 HZ	11593	\$1,735.66
	NEMA 1,2,3,3S,4,4X	120 VAC/60 HZ	11594	\$2,360.32
	<u>Explosion Proof</u>			
	NEMA 3,3S,4,4X,6,6P,7,9	24 VDC	11592	\$2,669.90
	NEMA 3,3S,4,4X,6,6P,7,9	110 VAC/50 HZ	11594	\$2,360.32
	NEMA 3,3S,4,4X,6,6P,7,9	120 VAC/60 HZ	11594	\$2,360.32
	ATEX, EEx, mII, T4/T5	110 VAC/50 HZ	12359	\$2,802.46
	ATEX, EEx, mII, T4/T5	24 VDC	12360	\$3,112.07
Normally Open (rated to 300 psi (2068 kPa))				
	<u>Firecycle III</u>			
	NEMA 2,3,3S,4,4X	24 VDC	11595	\$3,394.02
	<u>Surefire & TrimPac</u>			
	NEMA 2,3,3S,4,4X	24 VDC	13215	\$3,394.02
	<u>Explosion Proof</u>			
	NEMA 3,3S,4,4X,6,6P,7,9	24 VDC	11596	\$4,731.68
	ATEX, EEx, mII, T4/T5	24 VDC	12358	\$5,173.77

RELEASE CONTROL PANEL (VFR-500)				IPG V241
VFR-500 Release Control Panel				
- Contains seven user-definable zones and menu-driven programming control - Up to 35 standard programs in memory and programmable cross-zoning - Multi-directional navigation through the panel history and menus - cULus Listed and FM Approved for agent and/or water-based extinguishing			<u>Part No.</u>	<u>List Price</u>
* see below for accessories and optional modules			26107	\$6,650.15
				
Optional Modules / Accessories		<u>Part No.</u>	<u>List Price</u>	Batteries (two required per panel)
CA2Z Module (class A initiating device circuit):		14155	\$397.02	<u>Part No.</u> <u>List Price</u>
CAM2 Module (class A indicating appliance circuit):		14156	\$456.57	8 Amp 07920 P.O.A.
ARM-1/ARM-2 Module (auxiliary relay module):		14157	\$575.68	12 Amp 07921 P.O.A.
RA-4410-RC (remote annunciator):		26125	\$1,879.67	18 Amp 09867 P.O.A.
MR-101/T SPDT Relay Module:		14159	\$233.29	
MR-201 DPDT Relay Module:		14160	\$292.79	
MR801/T SPDT Relay w/Led Indicator:		14161	\$124.07	
ELOC Resistor/Diode:		14162	\$59.55	
ELOR Resistor:		14163	\$10.36	

Alarm Devices

Alarm Pressure Switch - SR020

<u>Adjustable Range (4-20 psi)</u>			<u>Explosion Proof</u>		
<u>1/2" / DN50</u>			Dual SPDT	PS10-EX	\$2,330.63
Single SPDT	PS101A	\$333.57	Dual SPDT	PS40EX	\$2,330.63
Dual SPDT	PS102A	\$399.41	<i>* Cenelec approved</i>		
<i>* Manufactured by Potter</i>			<u>Pressure Adj Access Key</u>		
				10600	\$45.62
			<u>Cover Removal Key</u>		
				10601	\$45.62

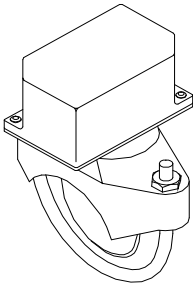
** Appropriate hex keys included with switches.*

Pressure Supervisory Switch (Air, Nitrogen, Water) - IPG SR020

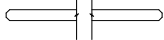
<u>Adjustable Range (10-175 psi)</u>			<u>Explosion Proof</u>		
<u>1/2" / DN50</u>					
Single SPDT	PS401A	\$331.38	<u>Pressure Adj Access Key</u>		
Dual SPDT	PS402A	\$399.41		10600	\$45.62
<i>* Manufactured by Potter</i>			<u>Cover Removal Key</u>		
				10601	\$45.62
<u>Cover Tamper Switch Kit</u>					
09601		\$233.30			

** Appropriate hex keys included with switches.*

Flow Switch - SR010

<u>Waterflow Indicators</u>					
<i>(adjustable retard up to 120 sec. - 2 SPDT contacts)</i>					
<u>Model VSR</u>					
1-2" / DN40	VSFR0100	\$465.28			
2" / DN50	VSFR0200	\$497.44			
2½" / DN65	VSFR0250	\$497.44			
3" / DN80	VSFR0300	\$497.44			
3½" / DN90	VSFR0350	\$497.44			
4" / DN100	VSFR0400	\$497.44			
5" / DN125	VSFR0500	\$497.44			
6" / DN150	VSFR0600	\$497.44			
8" / DN200	VSFR0800	\$555.34			

Water Motor Alarm and Accessories - IPG V226

<u>Water Motor Alarm</u>			<u>Closure Plate</u>		
					
<u>Model F-2</u>			05820B		\$211.59
07862		\$1,036.72			
<u>Adjustable Shaft</u>			<u>Alarm Line Y Strainer</u>		
<i>(wall thickness up to 30-1/4 in / 768 mm)</i>					
			<u>3/4" (DN20)</u>		
03312B		\$203.02	01489A		\$308.71
<u>Extension Cup</u>					
					
05957B		\$169.28			

Special Valves and Trim

Halar® Coated Deluge / Preaction Valves (Model F-2)

Straight-Through (Model F-2)

IPG V233	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Thread X Thread	N/A	N/A	<u>12402Q/B</u> \$10,224.50	N/A	N/A	N/A	N/A
Flange X Flange	N/A	N/A	N/A	<u>12015Q/B</u> \$10,224.50	<u>11960Q/B</u> \$13,679.53	<u>11962Q/B</u> \$18,305.27	<u>11992Q/B</u> \$38,320.90
Flange X Groove	N/A	N/A	N/A	<u>12019Q/B</u> \$10,224.50	<u>11959Q/B</u> \$13,679.53	<u>11961Q/B</u> \$18,305.27	N/A
Groove X Groove	<u>12127Q/B</u> \$7,575.28	<u>12058Q/B</u> \$7,595.89	<u>12404Q/B</u> \$10,224.50	<u>12023Q/B</u> \$10,224.50	<u>11514Q/B</u> \$13,679.53	<u>11525Q/B</u> \$18,305.27	<u>11118Q/B</u> \$36,469.67

HORIZONTAL TRIM - Conventional Deluge / Preaction Trim

Galvanized

IPG V236	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14635-1</u> \$5,329.24	<u>14635-1</u> \$5,329.24	<u>14637-1</u> \$5,215.35	<u>14637-1</u> \$5,215.35	<u>14638-1</u> \$5,457.32	<u>14640-1</u> \$5,470.13	<u>14643-1</u> \$7,923.71
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14635-1P</u> \$5,810.40	<u>14635-1P</u> \$5,810.40	<u>14637-1P</u> \$5,696.46	<u>14637-1P</u> \$5,696.46	<u>14638-1P</u> \$5,940.73	<u>14640-1P</u> \$5,953.48	<u>14643-1P</u> \$8,407.08

BRASS TRIMS - Conventional Deluge / Preaction Trim

Straight Through Valves - VERTICAL

IPG V237	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14634-2</u> \$9,045.81	<u>14634-2</u> \$9,045.81	<u>14636-2</u> \$8,591.23	<u>14636-2</u> \$8,591.23	<u>14639-2</u> \$9,179.82	<u>14641-2</u> \$9,285.78	<u>14642-2</u> \$11,570.21
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14634-2P</u> \$9,553.33	<u>14634-2P</u> \$9,553.33	<u>14636-2P</u> \$9,098.75	<u>14636-2P</u> \$9,098.75	<u>14639-2P</u> \$9,687.35	<u>14641-2P</u> \$9,793.28	<u>14642-2P</u> P.O.A.

Straight Through Valves - HORIZONTAL

IPG V237	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
<u>Loose Trim</u> (incl. accessory pkg-09316)	<u>14635-2</u> \$9,045.81	<u>14635-2</u> \$9,045.81	<u>14637-2</u> \$8,591.23	<u>14637-2</u> \$8,591.23	<u>14638-2</u> \$9,179.82	<u>14640-2</u> \$9,285.78	<u>14643-2</u> \$11,570.21
<u>Modular Trim</u> (incl. accessory pkg-09316)	<u>14635-2P</u> \$9,553.33	<u>14635-2P</u> \$9,553.33	<u>14637-2P</u> P.O.A.	<u>14637-2P</u> P.O.A.	<u>14638-2P</u> P.O.A.	<u>14640-2P</u> \$9,793.28	<u>14643-2P</u> P.O.A.

Special Valves and Trim

DOMESTIC TRIM ¹ - Model F - Galvanized

Straight Through Valves - VERTICAL

V236	1-1/2"	2"	2-1/2"	3"	4"	6"	8"
Loose Trim	<u>14634-1USA</u>	<u>14634-1USA</u>	<u>14636-1USA</u>	<u>14636-1USA</u>	<u>14639-1USA</u>	<u>14641-1USA</u>	<u>14642-1USA</u>
	\$7,105.65	\$7,105.65	\$6,953.80	\$6,953.80	\$7,276.48	\$7,293.49	\$10,564.96

DOMESTIC TRIM - Easy Riser® System

Size	Trim (loose)	
IPG	V222	
Model K-1/L-1		
1-1/2"	12960USA	\$541.16
2"	12960USA	\$541.16
Model E-1/F-1		
2-1/2"	13776USA	\$1,355.72
3"	13776USA	\$1,355.72
4"	13777USA	\$1,203.26
6"	13777USA	\$1,203.26
8"	13777USA	\$1,203.26

BRASS TRIM - Easy Riser® System

Size	Trim (loose)		Trim (modular)	
IPG	V222		V222	
Model K-1/L-1 - In-Line Check Valve Trim				
1-1/2"	12960-1	\$640.48	12960-1P	P.O.A.
2"	12960-1	\$640.48	12960-1P	P.O.A.
Model E-1/F-1 - Easy Riser Valve Trim				
2-1/2"	07236-1	\$1,604.32	07236-1P	P.O.A.
3"	07236-1	\$1,604.32	07236-1P	P.O.A.
4"	07237-1	\$1,695.89	07237-1P	P.O.A.
6"	07237-1	\$1,695.89	07237-1P	P.O.A.
8"	07237-1	\$1,695.89	07237-1P	P.O.A.

BRASS - SureFire® TrimPac®

Single Interlocked	
V234	
13798D-1B	\$15,660.93

Double Interlocked	
V234	
13799D-2B	\$16,088.75

BRASS - Releasing Trims

	Pneumatic	Electric Pneumatic	Electric	Pneumatic Pneumatic	<u>DOMESTIC ¹</u> Electric
IPG	V239	V239	V239	V239	V239
Loose Trim (releasing device not incl.)	<u>10811</u> \$439.39	<u>12661-2</u> \$366.78	<u>10832</u> \$494.41	<u>12662-2</u> \$2,340.21	<u>10832USA</u> \$659.20
Modular Trim (releasing device not incl.)	<u>10811-P</u> P.O.A.	<u>12661-2P</u> P.O.A.	<u>10832-P</u> P.O.A.	<u>12662-2P</u> P.O.A.	<u>10832USA-P</u> P.O.A.

(1) Meets sourcing requirements of the Buy American Act, American Reinvestment and Recovery Act, and the Buy American Law. Contact customer service for availability.