# PRODUCT LEGEND

| BILL OF MATERIAL | | |
|---|---|---|
| ITEM | QTY | DESCRIPTION |
| 1 | 1 | DELUGE VALVE ASSEMBLY |
| 2 | 1 | SOLENOID VALVE ASSEMBLY, 300 PSI, 1/2" S/753E |
| 3 | 1 | RESTRICTOR 1/2" NPT WITH Ø.07 ORIFICE |
| 4 | 1 | BALL CHECK VALVE ASSEMBLY |
| 5 | 1 | AUTO DRAIN ASSEMBLY |
| 6 | 1 | VALVE, SWING CHECK, 3/4 NPT FEMALE, 300 LBS MIN WOG, BRASS WITH BRASS SEAT |
| 7 | 1 | STRAINER, 45 DEG WYE, 1/2 NPT FEMALE, 100 MESH SCREEN, 300 LBS MIN WOG, BRASS |
| 8 | 1 | DRAIN VALVE |
| 9 | 1 | VALVE, GLOBE, ANGLED BODY, 3/4 NPT FEMALE, 300 LBS CWP, BRONZE |
| 10 | 1 | STRAINER/CHECK/RESTRICTOR ASSEMBLY |
| 11 | 1 | DRIP CUP ASSEMBLY |
| 12 | 1 | ALARM MANIFOLD ASSEMBLY |
| 13 | 1 | PRIMING MANIFOLD ASSEMBLY |
| 14 | 1 | ACTUATOR ASSEMBLY, LOW PRESSURE WITH 1/2 NPT MALE CONNECTION |
| 15 | 1 | LATCHING SOLENOID ASSEMBLY, SERIES 769 |
| 16 | 1 | QR READER LABEL |
| 17 | 1 | LABEL, AIR PRESSURE |
| 18 | 1 | TEE, STRAIGHT, 1/2 NPT FEMALE, 304 STAINLESS STEEL, PLAIN |
| 19 | 1 | ELBOW, 90 DEG MALE, 1/2 NPT MALE X 3/8 COMPRESSION TUBE OD, BRASS, PLAIN |
| 20 | 1 | TUBE SUPPORT, 3/8 TUBE OD, BRASS PLAIN |
| 21 | 1 | CROSS, STRAIGHT, 1/2 NPT FEMALE, ASME B16.3 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM B633 TYPE 1 SC 4 CLEAR ZINC PLATED |
| 22 | 5 | ELBOW, STRAIGHT, 90 DEG, 1/2 NPT FEMALE, ASME B16.3 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |
| 23 | 1 | ELBOW, STRAIGHT, 90 DEG, 3/4 NPT FEMALE, ASME B16.3 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |
| 24 | 7 | NIPPLE, 1/2 NPT X CLOSE, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 25 | 1 | NIPPLE, 1/2 NPT X CLOSE, ASTM A733 SCHEDULE 40, ASTM A312 TYPE E GRADE TP304H STAINLESS STEEL, PLAIN |

| BILL OF MATERIAL | | |
|---|---|---|
| ITEM | QTY | DESCRIPTION |
| 26 | 2 | NIPPLE, 1/2 NPT X 1-1/2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 27 | 3 | NIPPLE, 1/2 NPT X 2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 28 | 2 | NIPPLE, 1/2 NPT X 2-1/2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 29 | 1 | NIPPLE, 1/2 NPT X 3, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE A CARBON STEEL, ASTM A153 ZINC COATED |
| 30 | 1 | NIPPLE, 1/2 NPT X 3-1/2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 31 | 1 | NIPPLE, 1/2 NPT X 4, ASTM A733 SCHEDULE 40, ASTM A53 TPYE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 32 | 1 | NIPPLE, 1/2 NPT X 4, ASTM A733 SCHEDULE 40, ASTM A312 TYPE E GRADE TP304H STAINLESS STEEL, PLAIN |
| 33 | 2 | NIPPLE, 1/2 NPT X 4-1/2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 34 | 2 | NIPPLE, 1/2 NPT X 5, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 35 | 1 | NIPPLE, 1/2 NPT X 5-1/2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 36 | 1 | NIPPLE, 1/2 NPT X 6, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 37 | 4 | NIPPLE, 3/4 NPT X CLOSE, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 38 | 1 | NIPPLE, 3/4 NPT X 4, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 39 | 5 | PLUG, SQUARE HEAD, 1/2 NPT MALE, SAE J531 SHORT CLASS 300, SAE J403 CARBON STEEL 1010, ASTM B633 ZINC TYPE 1 SC 4 ~~CLEAR ZINC PLATED WITH PREAPPLIED~~ |
| | | LOCTITE 516 VIBRASEAL THREADSEALER |
| 40 | 6 | TEE, STRAIGHT, 1/2 NPT FEMALE, ASME B16.3 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |
| 41 | 4 | UNION, 1/2 NPT FEMALE, ASME B16.39 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |

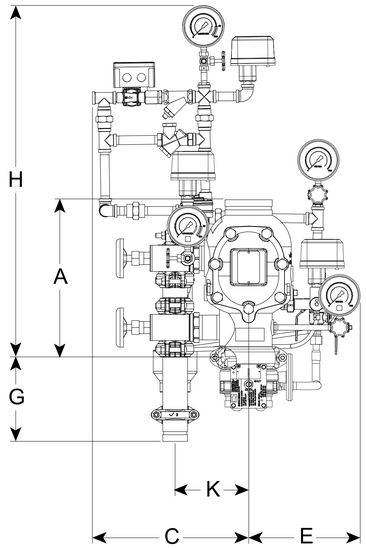
## OPTIONAL CONFIGURATION

STANDARD WITH VIC QUICK RISER

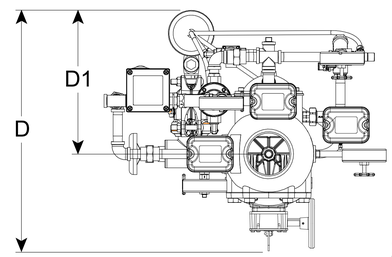
| | | |
|---|---|---|
| 42 | 1 | COUPLING ASSEMBLY |
| 43 | 1 | TRIM HOSE (OVERALL LENGTH 18") |
| 44 | 1 | ASSEMBLY, VALVE WITH ACTUATOR |
| 45 | 2 | ELBOW, STRAIGHT, 90 DEG, 3/4 NPT FEMALE, ASME B16.3 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |
| 46 | 4 | NIPPLE, 3/4 NPT X CLOSE, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 47 | 1 | NIPPLE, 3/4 NPT X 2-1/2, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 48 | 1 | NIPPLE, 3/4 NPT X 6, ASTM A733 SCHEDULE 40, ASTM A53 TYPE E GRADE B CARBON STEEL, ASTM A153 ZINC COATED |
| 49 | 2 | TEE, STRAIGHT, 3/4 NPT FEMALE, ASME B16.3 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |
| 50 | 1 | UNION, 3/4 NPT FEMALE, ASME B16.39 CLASS 150, ASTM A197 MALLEABLE IRON, ASTM A153 ZINC COATED |

## ALTERNATE SOLENOID VALVE ASSEMBLY

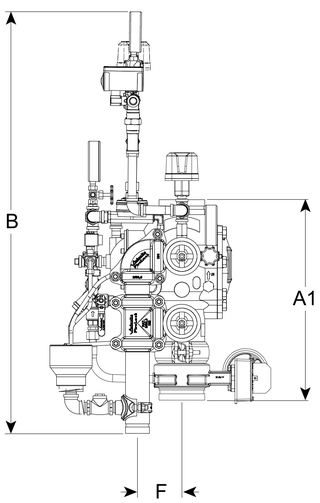
| BILL OF MATERIAL | | |
|---|---|---|
| ITEM | QTY | DESCRIPTION |
| 55 | 1 | SOLENOID VALVE ASSEMBLY, 5 ~ 300 PSI, 9.0 WATTS, 1/2 NPT FEMALE |



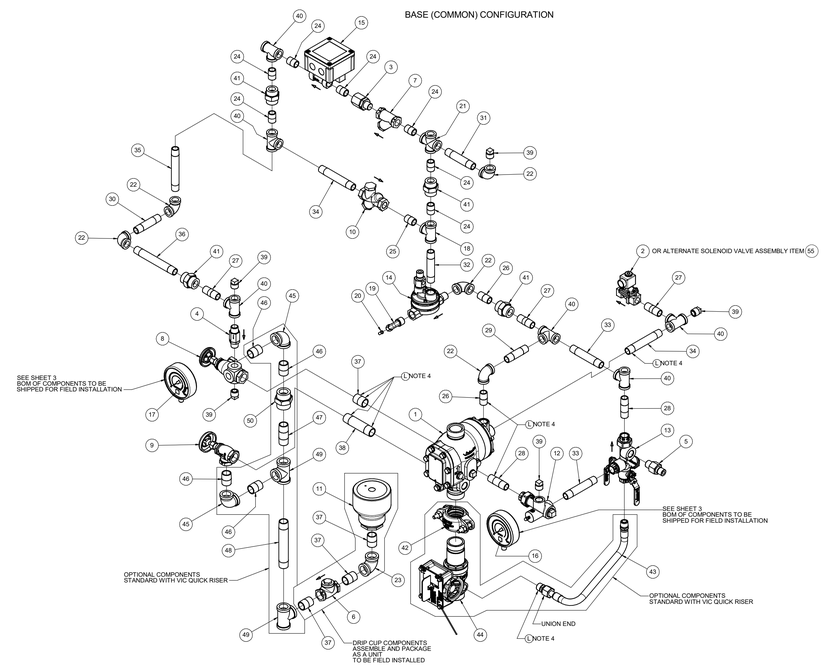

FRONT VIEW




PLAN VIEW




LEFT SIDE VIEW




SERIES 769N PREACTION ELECTRIC AUTOCONVERT
DRY RELEASE PREACTION TRIM

| Size | Dimensions | | | | | | | | | | | Weight Each | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nominal inches or mm | A inches mm | A1 inches mm | B inches mm | C inches mm | D inches mm | D1 inches mm | E inches mm | F inches mm | G inches mm | H inches mm | K inches mm | Without Trim lb kg | With Trim lb kg |
| 1 ½ | 9.00 228.60 | 16.37 415.80 | 38.00 965 | 15.50 394 | 25.00 635 | 16.25 413 | 9.50 241 | 3.25 83 | 10.25 260 | 27.75 705 | 6.00 152 | 16.7 7.6 | 43.0 19.5 |
| 2 | 9.00 228.60 | 13.83 351.28 | 38.00 965 | 15.50 394 | 25.00 635 | 16.25 413 | 9.50 241 | 3.25 83 | 10.25 260 | 27.75 705 | 6.00 152 | 17.0 7.7 | 43.0 19.5 |
| 2 ½ | 12.61 320.29 | 16.51 419.35 | 40.75 1035 | 16.00 406 | 24.00 610 | 15.00 381 | 9.50 241 | 4.00 102 | 9.75 248 | 31.00 787 | 6.50 165 | 41.0 18.7 | 65.0 29.5 |
| 76.1 mm | 12.61 320.29 | 16.51 419.35 | 40.75 1035 | 16.00 406 | 24.00 610 | 15.00 381 | 9.50 241 | 4.00 102 | 9.75 248 | 31.00 787 | 6.50 165 | 41.0 18.7 | 65.0 29.5 |
| 3 | 12.61 320.29 | 16.51 419.35 | 40.75 1035 | 16.00 406 | 24.00 610 | 15.00 381 | 9.50 241 | 4.00 102 | 9.75 248 | 31.00 787 | 6.50 165 | 41.0 18.7 | 65.0 29.5 |
| 4 | 15.03 381.76 | 19.85 504.19 | 42.50 1080 | 15.25 387 | 22.50 572 | 14.75 375 | 11.00 279 | 4.75 121 | 8.50 216 | 34.00 864 | 7.50 191 | 59.0 26.7 | 95.0 43.0 |
| 165.1 mm | 16.00 406.40 | 22.13 562.10 | 42.50 1080 | 15.25 387 | 26.00 660 | 15.25 387 | 11.00 279 | 4.50 114 | 8.25 210 | 34.25 870 | 8.25 210 | 80.0 36.2 | 116.0 52.6 |
| 6 | 16.00 406.40 | 22.13 562.10 | 42.50 1080 | 15.25 387 | 26.00 660 | 15.25 387 | 11.00 279 | 4.50 114 | 8.25 210 | 34.25 870 | 8.25 210 | 80.0 36.2 | 116.0 52.6 |
| 8 | 17.50 444.50 | 23.02 584.71 | 44.50 1130 | 18.50 470 | 30.00 762 | 16.00 406 | 12.25 311 | 4.75 121 | 8.25 210 | 36.25 921 | 9.25 235 | 122.0 55.3 | 158.0 71.6 |

NOTE: Contractor to field verify all equipment configurations, nozzle locating dimensions and elevations for conformance to Victaulic layout drawing(s) PRIOR TO CUTTING PIPE. Please notify Victaulic Engineering and Construction Division for recommendations regarding any deviations.

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| REV. | REVISION DESCRIPTION | BY | DATE |
|---|---|---|---|
| | | | |

VIRTUAL DESIGN AND CONSTRUCTION
4901 KESSLERSVILLE ROAD
EASTON, PA 18044

VICTAULIC

SCALE: 1/2" = 1'-0"
SHEET SIZE: 30" x 42"
DRN. BY: PP 05/28/2020
CHK. BY: NP

LEVEL:

FP DEVICES

FIRELOCK NXT 769N PREACTION TRIM

AREA #:
PROJ.#:
REV.

PROJECT-AREA-SHEET