

# BUILDESTIAMTEPRO

|         |  |          |         |                  |      |           |               |                    |          | MANHOUR UNIT RATE |                  | \$ | 75 |
|---------|--|----------|---------|------------------|------|-----------|---------------|--------------------|----------|-------------------|------------------|----|----|
| SR. NO. | DESCRIPTION  | QUANTITY | WASTAGE | QTY WITH WASTAGE | UNIT | UNIT COST | MATERIAL COST | MANHOURS UNIT RATE | MANHOURS | MANHOURS COST     | TOTAL TRADE COST |    |    |
|         | SUPPLIED AND INSTALLED BY PROCESS CONTRACTOR   |          |         |                  |      |           |               |                    |          |                   |                  |    |    |
|         | PID-704  |          |         |                  |      |           |               |                    |          |                   |                  |    |    |
|         | BUTTERFLY VALVE  |          |         |                  |      |           |               |                    |          |                   |                  |    |    |
| 1       | ACV-7201, 6" Dia Auto Butterfly W/ Actuator, KEYSTONE, HIGH-PERFORMANCE, DOUBLE-OFFSET, MOD. 6" KLOK LUGGED, ALL SS, RTFE SEAT. MODULATING PNEUMATIC ACTUATOR, ACTUATOR: F89U-032 FAIL CLOSE 12 SPRING ACTUATOR, BLX V100E POSITIONER. ORDER AS A COMPLETE, ASSEMBLED, FUNCTIONING VALVE. WITH HANDWHEEL MANUAL OVERRIDE OPERATOR.   | 1        | 0%      | 1                | EA   |           | \$ -          | \$ 75              |          | \$ -              | \$ -             |    | -  |
| 2       | ACV-7401, 6" Dia Auto Butterfly W/ Actuator (Normally Close Type), BRAY, LUGGED BUTTERFLY VALVE, 6" BRAY SERIES 31-375 VALVE, ALL SS WETTED PARTS, EPDM SEAT, NSF-61 APPROVED/BRAY SERIES 93-119 SPRING RETURN ACTUATOR, FAIL CLOSED/SERIES 63 24VDC SOLENOID/SERIES 5A LIMIT SWITCH, 310600-11010375/93119511300532/301930-71500530/630250-21401536/5A0000126A2536/5B0000-22601534          | 1        |         | 1                | EA   |           | \$ -          | \$ 75              |          | \$ -              | \$ -             |    | -  |
| 3       | ACV-7402, 6" Dia Auto Butterfly W/ Actuator (Normally Open Type), BRAY, LUGGED BUTTERFLY VALVE, 6" BRAY SERIES 31-375 VALVE, ALL SS WETTED PARTS, EPDM SEAT, NSF-61 APPROVED/BRAY SERIES 93-119 SPRING RETURN ACTUATOR, FAIL OPEN/SERIES 63 24VDC SOLENOID/SERIES 5A LIMIT SWITCH, 310600-11010375 / 931195-11325532 / 301930-71500530 / 630250-21401536 / 5A0000-126A2536 / 5B0000-22601534 | 1        | 0%      | 1                | EA   |           | \$ -          | \$ 75              |          | \$ -              | \$ -             |    | -  |

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|                    |   |   |    |   |    |      |       |      |      |
|--------------------|---|---|----|---|----|------|-------|------|------|
| 4                  | ACV-7221, 6" Dia Auto Butterfly W/ Actuator (Normally Open Type),<br>BRAY, LUGGED BUTTERFLY VALVE, 6" BRAY SERIES 31-375 VALVE, ALL SS<br>WETTED PARTS, EPDM SEAT, NSF-61 APPROVED/BRAY SERIES 93-119<br>SPRING RETURN ACTUATOR, FAIL OPEN/SERIES 63 24VDC<br>SOLENOID/SERIES 5A LIMIT SWITCH, 310600-11010375 / 931195-<br>11325532 / 301930-71500530 / 630250-21401536 / 5A0000-126A2536 /<br>5B0000-22601534 | 1 | 0% | 1 | EA | \$ - | \$ 75 | \$ - | \$ - |
| 5                  | ACV-7222, 6" Dia Auto Butterfly W/ Actuator (Normally Close Type),<br>BRAY, LUGGED BUTTERFLY VALVE, 6" BRAY SERIES 31-375 VALVE, ALL SS<br>WETTED PARTS, EPDM SEAT, NSF-61 APPROVED/BRAY SERIES 93-119<br>SPRING RETURN ACTUATOR, FAIL CLOSED/SERIES 63 24VDC<br>SOLENOID/SERIES 5A LIMIT SWITCH, 310600-<br>11010375/93119511300532/301930-71500530/630250-<br>21401536/5A0000126A2536/5B0000-22601534         | 1 | 0% | 1 | EA | \$ - | \$ 75 | \$ - | \$ - |
|                    |   |   |    |   |    |      |       |      |      |
| BACKFLOW PREVENTER |   |   |    |   |    |      |       |      |      |

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|----------------------|--|---|----|---|----|--|------|-------|--|------|------|
| 1                    | BFP-7212, 1" Dia Backflow preventer, WATTS ANTI-SIPHON BACKFLOW PREVENTER (1"), SERIES 008PCQT (1")  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 2                    | BFP-7213, 1" Dia Backflow preventer, WATTS ANTI-SIPHON BACKFLOW PREVENTER (1"), SERIES 008PCQT (1")  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 3                    | BFP-7221, 2-1/2" Dia Backflow Preventer, WATTS REDUCED PRESSURE ZONE ASSEMBLY (2.5"), LF957  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 4                    | BFP-7222, 1-1/2" Dia Backflow Preventer, WATTS BACKFLOW PREVENTER (1.5"), SERIES LF009   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                      |  |   |    |   |    |  |      |       |  |      |      |
| WATER FLOW METER     |  |   |    |   |    |  |      |       |  |      |      |
| 1                    | FM-7201, Water Flow Meter, ENDRESS & HAUSER MAG METER, FLANGE ENDS, REMOTE TRANS, 6", PROMAG 5W4C1F-STJ3/0-AA-A-L-H-P-2-D-HA1S-0-B-L4-L5   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                      |  |   |    |   |    |  |      |       |  |      |      |
| HOSS REEL            |  |   |    |   |    |  |      |       |  |      |      |
| 1                    | HR-7212, Hose Reel, COXREELS HOSE REELS AND ACCESSORIES, Hose reel, 3/4" ID 50'L 300PSI, Item 29re43 Washdown hose, Item 3ATL8 Hose to pipe adapter, Item 4KG84 Hose reel bumper, Item 1GYJ1 Spray nozzle, SS white, Item 41J441 Wall mount swing bracket, Item 10C538 | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                      |  |   |    |   |    |  |      |       |  |      |      |
| LEVEL TRANSMITTER    |  |   |    |   |    |  |      |       |  |      |      |
| 1                    | LIT-7201, Level Transmitter, IFM EFFECTOR PRESSURE LEVEL TRANSMITTER KIT, ZH4077 (2" TRI-CLAMP)  | 1 |    | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                      |  |   |    |   |    |  |      |       |  |      |      |
| PRESSURE TRANSMITTER |  |   |    |   |    |  |      |       |  |      |      |
| 1                    | PIT-7201, Pressure Transmitter, IFM EFFECTOR PRESSURE LEVEL TRANSMITTER KIT ,KIT # UP0070 (1/4" NPT FITTING)   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |

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|----------------|---|---|----|---|----|--|------|-------|--|------|------|---|
|                |   |   |    |   |    |  |      |       |  |      |      |   |
| SAMPLE PORT    |   |   |    |   |    |  |      |       |  |      |      |   |
| 1              | SP-7201, 1-1/2" Dia Sample port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2              | SP-7202, 6" Dia Sample port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                |   |   |    |   |    |  |      |       |  |      |      |   |
| PRESSURE GAUGE |   |   |    |   |    |  |      |       |  |      |      |   |
| 1              | PI-7201, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 35-1009-SWL-04L-160 PSI  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2              | PI-7211, 1/2" Dia Pressure Gauge, 35-1009-SWL-04L-160 PSI, 35-1009-SWL-04L-160 PSI  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 3              | PI-7212, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 35-1009-SWL-04L-160 PSI  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                |   |   |    |   |    |  |      |       |  |      |      |   |
| BLOW-OFF CAP   |   |   |    |   |    |  |      |       |  |      |      |   |
| 1              | BC-7201, 12" Dia Blow-Off Cap, PROTECTOSEAL OVERFLOW VALVE SERIES 7300D, 12" F7300DA 316SS VALVE W/ SS WEIGHT, 12", 3" WC CRACKING PRESSURE | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2              | BC-7202, 12" Dia Blow-Off Cap, PROTECTOSEAL OVERFLOW VALVE SERIES 7300D, 12" F7300DA 316SS VALVE W/ SS WEIGHT, 12", 3" WC CRACKING PRESSURE | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                |   |   |    |   |    |  |      |       |  |      |      |   |
| SPRAY BALL     |   |   |    |   |    |  |      |       |  |      |      |   |
| 1              | SB-7201, Spray Ball, SANIMATIC SPRAY BALL AND DOWN TUBE, SB1-2.5-1.5"-SC-114-25-32-TANG, ST-1.5-4" 150# FLANGE-SC-TC-32-3-32                | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                |   |   |    |   |    |  |      |       |  |      |      |   |

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| FLEXIBLE JOINT |   |   |    |   |    |  |      |       |  |      |      |  |
|----------------|---|---|----|---|----|--|------|-------|--|------|------|--|
| 1              | FJ-7201, 10" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 2              | FJ-7202, 10" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 3              | FJ-7203, 6" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 4              | FJ-7204, 6" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 5              | FJ-7811, 8" Dia Flexible Joint, THERMOTEC FOOD GRADE EXPANSION JOINT SERIES FFR, FLANGED JOINT: SILOFLEX SILICONE RUBBER LINED  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
|                |   |   |    |   |    |  |      |       |  |      |      |  |
| ELEMENT FILTER |   |   |    |   |    |  |      |       |  |      |      |  |
| 1              | FR-4401, 1" Dia Element Filter For City Water Control Valve, NORGEN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN          | 1 |    | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
|                |   |   |    |   |    |  |      |       |  |      |      |  |
| OTHER VALVES   |   |   |    |   |    |  |      |       |  |      |      |  |
| 1              | 1/2" Dia Ball valve   | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 2              | 1" Dia Ball Valve   | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 3              | 1" Dia Ball valve   | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 4              | 1" Dia Manual Butterfly Valve   | 9 | 0% | 9 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 5              | 2" Dia Ball valve   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 6              | 2" Dia Manual Butterfly Valve   | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 7              | 3" Dia Sanitary Manual butterfly valve  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |

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|                |  |   |    |   |    |  |      |       |  |      |      |  |
|----------------|--|---|----|---|----|--|------|-------|--|------|------|--|
| ELEMENT FILTER |  |   |    |   |    |  |      |       |  |      |      |  |
| 1              | FR-4411, Element Filter, NORGEN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN     | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 2              | FR-4412, Element Filter, NORGEN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN     | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
|                |  |   |    |   |    |  |      |       |  |      |      |  |
| STEAM TRAP     |  |   |    |   |    |  |      |       |  |      |      |  |
| 1              | TST-7703, Thermodynamic Steam Trap, SPIRAX SARCO, 1/2"-UTD52L (STEAM TRAP W/ STRAINER) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
|                |  |   |    |   |    |  |      |       |  |      |      |  |
| OTHER VALVES   |  |   |    |   |    |  |      |       |  |      |      |  |
| 1              | 1/2" Dia Ball valve, Normally Open   | 6 | 0% | 6 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 2              | 1/2" Dia Gate Valve  | 1 |    | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 3              | 3/4" Dia Ball Valve, Normally Close  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 4              | 3/4" Dia Ball Valve, Normally Open   | 4 | 0% | 4 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 5              | 1" Dia Ball Valve  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 6              | 1" Dia Manual Butterfly Valve  | 4 | 0% | 4 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 7              | 1" Dia Sanitary Manual butterfly valve   | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 8              | 2" Dia Ball Valve  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 9              | 2" Dia Gate Valve  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 10             | 3" Dia Sanitary Manual butterfly valve   | 5 | 0% | 5 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 11             | 4" Dia Manual Butterfly Valve  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |

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|                |   |   |    |   |    |  |      |       |  |      |      |
|----------------|---|---|----|---|----|--|------|-------|--|------|------|
| 12             | 6" Dia Check Valve  | 6 | 0% | 6 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 13             | 6" Dia Manual Butterfly Valve                                     | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 14             | 6" Dia Sanitary Manual butterfly valve                            | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 15             | 8" Dia Sanitary Manual butterfly valve                            | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 16             | 8" Dia Sanitary Manual butterfly valve                            | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 17             | 10" Dia Manual Butterfly Valve                                    | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                |   |   |    |   |    |  |      |       |  |      |      |
| PID-707        |   |   |    |   |    |  |      |       |  |      |      |
| VACCUM BREAKER |   |   |    |   |    |  |      |       |  |      |      |
| 1              | AV-7401, Vaccum Breaker, SPIRAX SARCO VACUUM BREAKER (1/2"), VB21 | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                |   |   |    |   |    |  |      |       |  |      |      |
| OTHER VALVES   |   |   |    |   |    |  |      |       |  |      |      |
| 1              | 3/8" Dia Ball Valve, Normally Open                                | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 2              | 3/8" Dia Check valve  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 3              | 1/4" Dia Ball Valve, Normally Open                                | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 4              | 1" Dia Ball valve, Normally Open                                  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 5              | 1" Dia Manual Butterfly Valve                                     | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 6              | 1" Dia Sanitary Manual butterfly valve                            | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 7              | 2" Dia Ball valve   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |



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|                    |  |   |    |   |    |  |      |       |  |      |      |   |
|--------------------|--|---|----|---|----|--|------|-------|--|------|------|---|
| PRESSURE GAUGE     |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                  | PI-4413, 1/2" Dia Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 35-1009-SWL-04L-200 PSI   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                    |  |   |    |   |    |  |      |       |  |      |      |   |
| OTHER VALVES       |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                  | 1/2" Dia Ball Valve, Normally Open   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2                  | 3/4" Dia Ball Valve, Normally Closed   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 3                  | 3/4" Dia Ball Valve, Normally Open   | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 4                  | 1" Dia Manual Butterfly Valve  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 5                  | 2" Dia Check Valve   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                    |  |   |    |   |    |  |      |       |  |      |      |   |
| PID-712            |  |   |    |   |    |  |      |       |  |      |      |   |
| BACKFLOW PREVENTER |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                  | BFP-7201, 1" Dia Backflow Preventer, WATTS REDUCED PRESSURE ZONE ASSEMBLY (1"), SERIES 008-PC-QT-S   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2                  | BFP-7202, 1" Dia Backflow Preventer, WATTS REDUCED PRESSURE ZONE ASSEMBLY (1"), SERIES 008-PC-QT-S   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                    |  |   |    |   |    |  |      |       |  |      |      |   |
| HOSE REEL          |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                  | HR-7511, Hose Reel, COXREELS HOSE REELS AND ACCESSORIES, Hose reel, 3/4" ID 50'L 300PSI, Item 29re43 Washdown hose, Item 3ATL8 Hose to pipe adapter, Item 4KG84 Hose reel bumper, Item 1GYJ1 Spray nozzle, SS white, Item 41J441 Wall mount swing bracket, Item 10C538 | 1 |    | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |

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|                      |  |   |    |   |    |  |      |       |  |      |      |   |
|----------------------|--|---|----|---|----|--|------|-------|--|------|------|---|
| 2                    | HR-7521, Hose Reel, COXREELS HOSE REELS AND ACCESSORIES, Hose reel, ¾" ID 50'L 300PSI, Item 29re43 Washdown hose, Item 3ATL8 Hose to pipe adapter, Item 4KG84 Hose reel bumper, Item 1GYJ1 Spray nozzle, SS white, Item 41J441 Wall mount swing bracket, Item 10C538 | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                      |  |   |    |   |    |  |      |       |  |      |      |   |
| PRESSURE GAUGE       |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                    | PI-7511, Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-069-01-005-1-1-1-1-A-0-0-0-0  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2                    | PI-7521, Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-069-01-005-1-1-1-1-A-0-0-0-0  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                      |  |   |    |   |    |  |      |       |  |      |      |   |
| PRESSURE TRANSMITTER |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                    | PIT-7521, Pressure Transmitter, IFM EFFECTOR PRESSURE LEVEL TRANSMITTER KIT, KIT # UP0075 (2" TRI-CLAMP)   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2                    | PIT-7511, Pressure Transmitter, IFM EFFECTOR PRESSURE LEVEL TRANSMITTER KIT, KIT # UP0075 (2" TRI-CLAMP)   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                      |  |   |    |   |    |  |      |       |  |      |      |   |
| SAMPLE PORT          |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                    | SP-7511, Sample Port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2                    | SP-7521, Sample Port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|                      |  |   |    |   |    |  |      |       |  |      |      |   |
| OTHER VALVES         |  |   |    |   |    |  |      |       |  |      |      |   |
| 1                    | 1/2" Dia Ball valve  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |

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|                |   |   |    |   |    |  |      |       |  |      |      |
|----------------|---|---|----|---|----|--|------|-------|--|------|------|
| 2              | 1" Dia Manual Butterfly Valve   | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 3              | 1" Dia Sanitary Manual butterfly valve  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 4              | 4" Dia Check Valve  | 4 | 0% | 4 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 5              | 4" Dia Sanitary Manual butterfly valve  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                |   |   |    |   |    |  |      |       |  |      |      |
| PID-715        |   |   |    |   |    |  |      |       |  |      |      |
| STEAM TRAP     |   |   |    |   |    |  |      |       |  |      |      |
| 1              | TST-7701, Thermo-Dynamics Steam Trap, SPIRAX SARCO, 1/2"-UTD52L (STEAM TRAP w' STRAINER)          | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                |   |   |    |   |    |  |      |       |  |      |      |
| STRAINER       |   |   |    |   |    |  |      |       |  |      |      |
| 1              | STR-7701, Strainer, SPIRAX SARCO, 1" 34HP CARBON STEEL STRAINER                                   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                |   |   |    |   |    |  |      |       |  |      |      |
| PRESSURE GAUGE |   |   |    |   |    |  |      |       |  |      |      |
| 1              | PI-7602, Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-071-01-005-1-1-1-1-A-0-0-0-0 | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 2              | PI-7701, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009 W/ PIGTAIL, 45-1009-S-L-04-L-200-# PSI       | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 3              | PI-7702, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009 W/ PIGTAIL, 45-1009-S-L-02-L-100-# PSI       | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 4              | PI-4415, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009, 35-1009-SWL-04L-200 PSI                     | 1 |    | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |

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|                         |   |   |    |   |    |  |      |       |  |      |      |  |   |
|-------------------------|---|---|----|---|----|--|------|-------|--|------|------|--|---|
|                         |   |   |    |   |    |  |      |       |  |      |      |  |   |
| PRESSURE REDUCING VALVE |   |   |    |   |    |  |      |       |  |      |      |  |   |
| 1                       | PRV-7701, 1-1/2" Dia Pressure Reducing Valve, SPIRAX SARCO 1.5" NPT (SET @ 50 PSI), MODEL - 25P, BLUE SPRING RATED 20 TO 100 PSI                  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
|                         |   |   |    |   |    |  |      |       |  |      |      |  |   |
| PRESSURE RELIEF VALVE   |   |   |    |   |    |  |      |       |  |      |      |  |   |
| 1                       | SRV-7701, 1/2" Dia Pressure Relief Valve, SPIRAX SARCO 3"X4" FLG (SET @ 60 PSI), MODEL - SV73VLM15, ORIFICE M, FIRED VESSEL, 3" INLET & 4" OUTLET | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
|                         |   |   |    |   |    |  |      |       |  |      |      |  |   |
| ELEMENT FILTER          |   |   |    |   |    |  |      |       |  |      |      |  |   |
| 1                       | FR-4415, Element Filter, NORGEN FILTER REGULATOR OR EQUAL (3/4"), B64G-6GK-AD3-RMN  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
|                         |   |   |    |   |    |  |      |       |  |      |      |  |   |
| OTHER VALVES            |   |   |    |   |    |  |      |       |  |      |      |  |   |
| 1                       | 1/2" Dia Ball valve, Normally Open  | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
| 2                       | 3/4" Dia Ball Valve, Normally Closed  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
| 3                       | 3/4" Dia Ball Valve, Normally Open  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
| 4                       | 2" Dia Gate valve Manual  | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
| 5                       | 3" Dia Check Valve  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
| 6                       | 3" Dia Sanitary Manual butterfly valve  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |
| 7                       | 4" Dia Check Valve  | 3 | 0% | 3 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  | - |

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|   |  |   |    |   |    |  |      |       |  |      |      |   |
|---|--|---|----|---|----|--|------|-------|--|------|------|---|
| 8 | 4" Dia Sanitary Manual butterfly valve   | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 9 | 6" Dia Check Valve   | 2 | 0% | 2 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|   | PID-716  |   |    |   |    |  |      |       |  |      |      |   |
|   | SAMPLE COOLER  |   |    |   |    |  |      |       |  |      |      |   |
| 1 | SMP-7701, Sample Cooler, MUIRA, SC100100   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|   | PRESSURE GAUGE   |   |    |   |    |  |      |       |  |      |      |   |
| 1 | PI-7709, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009 W/ PIGTAIL,<br>45-<br>1009-S-L-04-L-200-# PSI | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 2 | PI-7710, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009 W/ PIGTAIL,<br>45-<br>1009-S-L-04-L-200-# PSI | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 3 | PI-7711, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009 W/ PIGTAIL,<br>45-<br>1009-S-L-04-L-200-# PSI | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
| 4 | PI-7712, Pressure Gauge, ASHCROFT DURALIFE TYPE 1009 W/ PIGTAIL,<br>45-<br>1009-S-L-02-L-30-# PSI  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |
|   | STEAM TRAP   |   |    |   |    |  |      |       |  |      |      |   |
| 1 | TST-7702, Thermo-Dynamic Steam Trap, SPIRAX SARCO, 1/2"-UTD52L<br>(STEAM TRAP w' STRAINER)         | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - | - |

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|                  |   |   |    |   |    |  |      |       |  |      |      |  |
|------------------|---|---|----|---|----|--|------|-------|--|------|------|--|
| BLOWOFF CAP      |   |   |    |   |    |  |      |       |  |      |      |  |
| 1                | BC-7411, Blowoff Cap#1, SHIPPED WITH SILO   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 2                | BC-7412, Blowoff Cap#2, SHIPPED WITH SILO   | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| HEPA FILTER      |   |   |    |   |    |  |      |       |  |      |      |  |
| 1                | FLT-7411, hepa Filter, FULLER, FG 2004 6" TC  | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| SAMPLE PORT      |   |   |    |   |    |  |      |       |  |      |      |  |
| 1                | SP-7411, Sample Port, PERLICK TRI-CLAMP SAMPLE VALVE, PART # F38305SS, 1.5" TRI-CLAMP                                     | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| PRESSURE GAUGE   |   |   |    |   |    |  |      |       |  |      |      |  |
| 1                | PI-7420, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-069-01-005-1-1-1-1-A-0-0-0-0        | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 2                | PI-7421, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-074-01-005-1-1-1-1-A-0-0-0-0        | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 3                | PI-7422, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-074-01-005-1-1-1-1-A-0-0-0-0        | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| 4                | PI-7429, 316 S.S 1/2" Dia Pressure Gauge, ANDERSON PRESSURE GAUGE (LIQUID FILLED), EL-071-01-005-1-1-1-1-A-0-0-0-0        | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |
| PROXIMITY SENSOR |   |   |    |   |    |  |      |       |  |      |      |  |
| 1                | ZS-7421, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |  |

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|                      |   |   |    |   |    |  |      |       |  |      |      |
|----------------------|---|---|----|---|----|--|------|-------|--|------|------|
| 2                    | ZS-7422, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 3                    | ZS-7429, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 4                    | ZS-7651, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 5                    | ZS-7652, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 6                    | ZS-7659, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                      |   |   |    |   |    |  |      |       |  |      |      |
| PID-715              |   |   |    |   |    |  |      |       |  |      |      |
| PROXIMITY SENSOR     |   |   |    |   |    |  |      |       |  |      |      |
| 1                    | ZS-7691, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 2                    | ZS-7692, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 3                    | ZS-7693, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 4                    | ZS-7694, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 5                    | ZS-7695, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 6                    | ZS-7696, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 7                    | ZS-7697, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
| 8                    | ZS-7698, Proximity Sensor, IFM EFECTOR M18x1 INDUCTIVE SENSOR - IGT247 W/ FIELD-WIREABLE, KIT # UI0059 (1/4" NPT FITTING) | 1 | 0% | 1 | EA |  | \$ - | \$ 75 |  | \$ - | \$ - |
|                      |   |   |    |   |    |  |      |       |  |      |      |
| TOTAL MATERIAL COST  |   |   |    |   |    |  |      |       |  | \$   | -    |
| TOTAL MANHOURS' COST |   |   |    |   |    |  |      |       |  | \$   | -    |
| TOTAL COST           |   |   |    |   |    |  |      |       |  | \$   | -    |

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|                    |                       |  |  |           |    |   |
|--------------------|-----------------------|--|--|-----------|----|---|
| OVERHEADS & PROFIT |                       |  |  | 25%       | \$ | - |
|                    |                       |  |  | TOTAL BID | \$ | - |
| SCOPE OF ESTIMATE: |                       |  |  |           |    |   |
|                    |                       |  |  |           |    |   |
| 1                  | SUPPLY & INSTALLATION |  |  |           |    |   |
| 1                  | VALVES                |  |  |           |    |   |
| 2                  | GAUGES                |  |  |           |    |   |
| 3                  | TRANSMITTER           |  |  |           |    |   |
| 4                  | SAMPLE PORTS          |  |  |           |    |   |
| 5                  | FLEXIBLE JOINTS       |  |  |           |    |   |
| 6                  | SPRAY BALL            |  |  |           |    |   |
| 7                  | OTHER VALVES          |  |  |           |    |   |
|                    |                       |  |  |           |    |   |