

## Equipment Specifications / 1010693

The equipment listed in this section details all major equipment and instrumentation of the Model 8145BMP-150Z Base Unit.

### Base Unit

**B-100** Insulated Building approximately 6' wide x 7'-6" high x 6' deep, 1 1/2" thick urethane injected galvalume panel type walls, roof, and hinged front door, R14 insulation value, complete with the following:

Exterior 30 gauge galvalume steel c/w aluminum extrusions

Interior 30 gauge galvalume steel c/w aluminum extrusions

One door, 32" x 78" urethane injected galvalume panel type c/w corrosion resistant hinges, Panic Hardware, check chain, weather stripping.

2 - 12" x 12" Vents.

**BH-201** Cata-Dyne Flameless, Infrared Red Gas Heater, Model WX 12x24, 8,000 btu/hr inlet, natural gas, 12 VDC startup cables, with vent hood.

**BH-301** Cata-Dyne Flameless, Infrared Red Gas Heater, Model WX 12x24, 8,000 btu/hr inlet, natural gas, 12 VDC startup cables.

**FD-100** Trinity D.D.-TWO Flow Divider, 1/4" NPT, 6000lb FNP, 316 Stainless

**FE-101** North Star 2" 600 ANSI, Threaded, Sch. 160 Single Chamber Meter Run with Vane Pack, AGA 3C, Sweet Service Certified.

**FIL-101** Headline Filter 315A-1/4, c/w 12-32-60C Element.

**Filter** Goldenrod GOL570-03 Top Cap c/w Luber-Finer LFF-12D Filter.

**HB-200** Crimtech Heater Box, Capacity 7.6 Liters.

**HCV-101** Meridian, J8TYCA, Globe Valve, 2" NPT, Class 800, RP, CS Body and Trim.

**LG-200** 86" x 15 m<sup>3</sup> Gauge Board System with Float.

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| <b>LG-210</b>   | Crimtech, Interstitial Space Monitor, ¾" Clear PVC Hose, c/w 1" NPT Isolation Ball Valve and 1" NPT Drain Ball Valve.         |
| <b>LI-100</b>   | Greschner SG48GB Level Rate Gauge, 48", ½" NPT.   |
| <b>LS-101</b>   | Linc Level Controller, Model #282-22-12, 2" NPT, with manual dump valve operator, D.P. 1500 psi.                              |
| <b>LV-101</b>   | Fisher D2 Dump Valve, 1" NPT, ¼" – ½" Port, Alloy 6 Stellite Trim.  |
| <b>P-100</b>    | Linc, 87TA-11-61, ¼" Plunger, Pneumatic Chemical Pump.  |
| <b>PCV-201</b>  | Fisher 627 Regulator, 1" NPT, CS Body, 1/8" Port, 15-40 psi Spring Range, Design Pressure 1000 psi.                           |
| <b>PCV-202</b>  | Fisher ¼" Type 912 low pressure fuel gas regulator, max. 250 psig inlet press and is factory set at 11" w.c. outlet pressure. |
| <b>PCV-302</b>  | Fisher ¼" Type 912 low pressure fuel gas regulator, max. 250 psig inlet press and is factory set at 11" w.c. outlet pressure. |
| <b>PCV-203</b>  | Maxitrol 3/8" NPT regulator, max. of 1/2 psig inlet pressure and is factory set to 7" w.c. outlet pressure.                   |
| <b>PCV-303</b>  | Maxitrol 3/8" NPT regulator, max. of 1/2 psig inlet pressure and is factory set to 7" w.c. outlet pressure.                   |
| <b>PI-102</b>   | Wika, Pressure Gauge, 4" Face, 0-1500psi, ½" NPT LM, Dual SS.   |
| <b>PI-201</b>   | Wika, Pressure Gauge, 2 ½" Face, 0-60 psi, ¼" NPT BM, Dual SS Connection.   |
| <b>PSV-100</b>  | Hy-Lok, RV2MF4NEP-S316, SS Relief Valve, Set to 1000 psi.   |
| <b>PSV-101</b>  | Mercer 9100 Safety Relief Valve, 1" M/FNPT, SS Trim, set at 1000 psi.   |
| <b>PSV-201</b>  | Wellmark W9501RS1600 Safety Relief, 1" M/FNPT, set at 125 psi.  |
| <b>Skid</b>     | Storage tank skid, approximately 7.5' x 22'-3" in size, c/w C6" x 10.5 lb/ft Steel Channel.                                   |
| <b>Spillbox</b> | Load Line Spillbox, 3" Load Line c/w 3" Ball Valve and 3" male by female Kamlock adapter, 30 A-Alum-B Fitting.                |

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| <b>TCV-201</b> | Cata-Dyne, AC-TC-4000N-7, 12" x 24"n, Heater Temperature Controller.   |
| <b>TI-102</b>  | Trend 33025A019GA Thermometer, 3" Face, ½" NPT CBM x 2½" Stem, -40 / +70 °C, Bimetal Thermometer.  |
| <b>TK-100</b>  | 420 gallon Plastic Methanol Tank , Dual wall, c/w combination fill and vent cap.   |
| <b>TK-200</b>  | 85 bbl. Double wall polyurethane tank 120" O.D. x 98" high with Manway.<br><br>22" top mount Manway c/w Handle, black Nitrite Gasket and HDG Hardware. |
| <b>TW-102</b>  | Thermowell, ¾" NPT x ½" NPT, 2½" Stem, 316SS, 0.260in Bore.  |
| <b>V-101</b>   | FLODRIP™ Model 8145A, 8.625" O.D. x 20" S/S, High Capacity Wellhead Separator, 1440 psi (10 205 kPa) D.P. @ 100 °F (38 °C).                            |
| <b>V-201</b>   | FLODRIP™ Model 4140, 4.625" O.D. x 24", Fuel Gas Pot, 1480 psi (10205 kPa) D.P. @ 100 °F (38 °C).  |
| 3-BA1002       | Meridian M22SF Ball Valve, 1000 WOG, full port, 316 stainless steel body, NACE(2002) trim, 3" NPT.   |
| 2-BA2002       | Meridian M12B Ball Valve, 2000 WOG, regular port, carbon steel body, 2" NPT.   |
| 1-BA2002       | Meridian, MAC2CF, 1 in 2000lb WOG, B16.34, Full Port, CS Body/SS Trim, NACE  |
| 1-BA2002       | Meridian M12B Ball Valve, 2000 WOG, regular port, carbon steel body, 1" NPT.   |
| 1/2-BA2002     | Meridian M12B Ball Valve, 2000 WOG, regular port, carbon steel body, 1/2" NPT.   |
| 3/8-BA1000     | Hy-Lok SS-BVH-6T Ball Valve, 1000 psi, stainless steel body and trim, 3/8" tubing connections.   |
| 2-CH2002       | Wheatly 820-023200-231P Swing Check Valve, 2000 psi, ductile iron body, 2" NPT.  |
| 1-CH802        | Plainsman, CB-100, 1in 3000lb, THRD Ball Check Valve CS body SS Trim   |

- 1/4-CH872 Arrow ASA-676 Ball Check Valve, 3000 psi, brass body, standard trim, 1/4" MNPT x FNPT.
- 1/2-NE6002 AGCO H1RDC-4Q Needle Valve, 6000 psi, carbon steel body, standard trim, 1/2" FNPT.
- 1/2-NE6009 AGCO H1RDC-44Q Needle Valve, 6000 psi, carbon steel body, standard trim, 1/2" MNPT x 1/2" FNPT.
- 1/4-NE6009 AGCO H1RDC-24 Needle Valve, 6000 psi, carbon steel body, standard trim, 1/2" MNPT x 1/4" FNPT.
- 1/4-NE6009 LCO Tech PNV-H-C-4-MF Needle Valve, 6000 psi, carbon steel body, standard (Teflon) trim, 1/4" MNPT x FNPT.

**NOTE: 2" 600 ANSI Threaded Flanged outer connections.**