

Drop Tube Overfill Device Application Table for Class I and II Products

Note 1: This information has been reviewed/confirmed by each manufacturer and is not necessarily consistent with manufacturers published information. **Applicability is for a Tight connection only.** **Note 2:** The shading is only to distinguish between manufacturer sequence.

| Manufacturer | Model or Part No./Size | Application | Gravity | Pressure | Flow/Pressure Requirement | Manufacturer confirmed meets PEI/RP 100 | Manufacturer confirmed meets PEI/RP 200 |
|------------------------|--|----------------|---------|----------|--|---|---|
| Clay and Bailey | 1228-03-2024ALL 2"x4"/ 1228-03-3524ALL 3"x4" | AST/UST | Yes | Yes | Max. 100 psi ----- 2" rated at 200 gpm at 40 psi ----- 3" rated at 300 gpm at 40 psi | Yes | Yes |
| | 1228-03-2016VF 2"x4"/ 1228-03-3516VF 3"x4" | AST/UST | Yes | Yes | Max. 100 psi ----- 2" rated at 200 gpm at 40 psi ----- 3" rated at 300 gpm at 40 psi | Yes | Yes |
| | 1228-03-3535UST/AST 4"x4" | AST/UST | Yes | Yes | Max. 100 psi ----- 2" rated at 200 gpm at 40 psi ----- 3" rated at 300 gpm at 40 psi | Yes | Yes |
| | 1228-03-20xx 2"x4" | AST | Yes | Yes | Max. 100 psi ----- 2" rated at 200 gpm at 40 psi | NA | Yes |
| | 1228 RV 2"x4" Gen Set OPV | AST | Yes | Yes | Max. 100 psi | NA | Yes |
| | 1228-03-2200 and 1228-03-2400 | AST | No | Yes | 5 psi min. operating pressure | NA | Yes |
| | 1228-03-12xx 2" x1" OPV | AST | No | Yes | 5 psi minimum operating pressure | NA | Yes |
| | Emco Wheaton | A1100/A1100EVR | UST | Yes | No | Minimum flow rate of 190 gpm | Yes |

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|------------------|------------------------|-------------|---------|----------|--|---|---|
| Franklin Fueling | 708 AutoLimiter II | UST | Yes | No | Minimum required flow rate of 180 gpm | Yes | NA |
| | EBW 709 Warden | AST | No | Yes | Max. 100 psi-rated at 200 gpm at 20 psi | NA | Yes |
| OPW | 61SO | UST | Yes | No | | Yes | NA |
| | 71SO | UST | Yes | No | | Yes | NA |
| | 61fSTOP | AST | No | Yes | Max. 150 psi- 25 gpm min. flow rate required | NA | Yes |
| Morrison Bros. | 9095AA | AST, UST | No | Yes | Max. viscosity 300 centistokes ¹ ----- Max. 100 psi ----- Minimum 5 gpm/5 psi ----- 3" rated at 550 gpm at 10 psi differential pressure ² | Yes | Yes |
| | 9095A | AST, UST | No | Yes | Max. viscosity 2"- 150 / 3"- 60 centistokes ¹ ----- Max. 100 psi ----- Minimum 5 gpm/5 psi ----- 2" rated at 183 gpm at 10 psi differential pressure ² | Yes | Yes |

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|----------------|------------------------|-------------|---------|----------|---|---|---|
| Morrison Bros. | 9095C | AST, UST | No | Yes | Max. viscosity 300 centistokes ----- Max. 100 psi ----- Minimum 5 gpm/5 psi ----- 2" rated at 175 gpm at 10 psi differential pressure ² | Yes | Yes |
| | 9095DS | AST, UST | No | Yes | Max. viscosity 150 centistokes ¹ ----- Max. 100 psi ----- Minimum 5 gpm/5 psi ----- 30 gpm at 10 psi differential pressure ² | Yes | Yes |

Note: 1) Fluid viscosity is highly dependant on the temperature of the fluid, the colder a fluid gets the higher the viscosity. Some of the motor oil lubricants and other class IIIB liquids may exceed the maximum viscosity at low temperatures; this should be evaluated on a case-by-case basis if the tank will be filled at low temperatures.

2) The difference in pressure between any two points of a system or component is known as differential pressure. The overfill valves need at least a 10 psi difference between the valve entrance and discharge pressure for flow to occur, or in other words there is a 10 psi pressure drop through the valve.

| | | | | | | | |
|-----------|--------------|----------|-----|-----|-----------------------------|-----|-----|
| Universal | 49 AST valve | AST, UST | Yes | Yes | No minimum flow requirement | Yes | Yes |
| | 47-20 2" | AST, UST | Yes | Yes | No minimum flow requirement | Yes | Yes |
| | 39 UST valve | UST | Yes | No | No minimum flow requirement | Yes | NA |

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|-----------------|------------------------|-------------|---------|----------|--|---|---|
| VMI (Vaporless) | OFP-2 | AST, UST | No | Yes | 7 psi min. operating pressure ----- 50 psi max. Recommended pressure= 30 psi. (to protect other system components in the event of valve closure) ----- Flow rate 140 gpm at 30 psi | Yes | Yes |
| | OFP-3 | AST, UST | No | Yes | 7 psi min. operating pressure ----- 50 psi max. Recommended pressure= 30 psi. (to protect other system components in the event of valve closure) ----- Flow rate 140 gpm at 30 psi | Yes | Yes |