



North Texas Pressure Vessels Inc.

Pressure Vessels for the Oil, Natural Gas and Industrial Markets

40 FT Portable Flare



Established in 2006, North Texas Pressure Vessels Inc. is a specialist in the manufacturing of pressure vessels for private and public companies in the oil, gas and industrial markets. NTPV has over 120 years of combined experience and employs state-of-the-art design and manufacturing processes including CNC plate / pipe cutting, full range of welding capabilities, CNC and manual machining, 80,000 lb crane capacity, steel shot blast / heat cure paint facility and software by Codeware ASME design, Solidworks modeling and MISys Manufacturing combined with 45,000 sqft of manufacturing, 10,000 sqft of office and 10 acres of material lay down. NTPV offers a competitive advantage by offering faster lead times and lower prices than larger competitors, with more control over production and quality than same-size competitors through its in-house production. NTPV offers a full one-year workmanship guarantee on all products sold. However, customer satisfaction is paramount and working closely with customers to ensure all their needs are met is a top priority.

Canadian Registration Numbers available on Sand Shark® and 3PH/4PH Test Separators products.

Call us today for more information on NTPV's full line of flow-back and testing equipment including our patented [Sand Shark®](#).

[Sand Shark®](#) 3PH/4PH Test Separators products are designed with NACE compliant materials and manufactured with ASME and NACE certified WPS as well as certified WPS for ASME to Non-ASME high yield hammer unions and API Flanges.

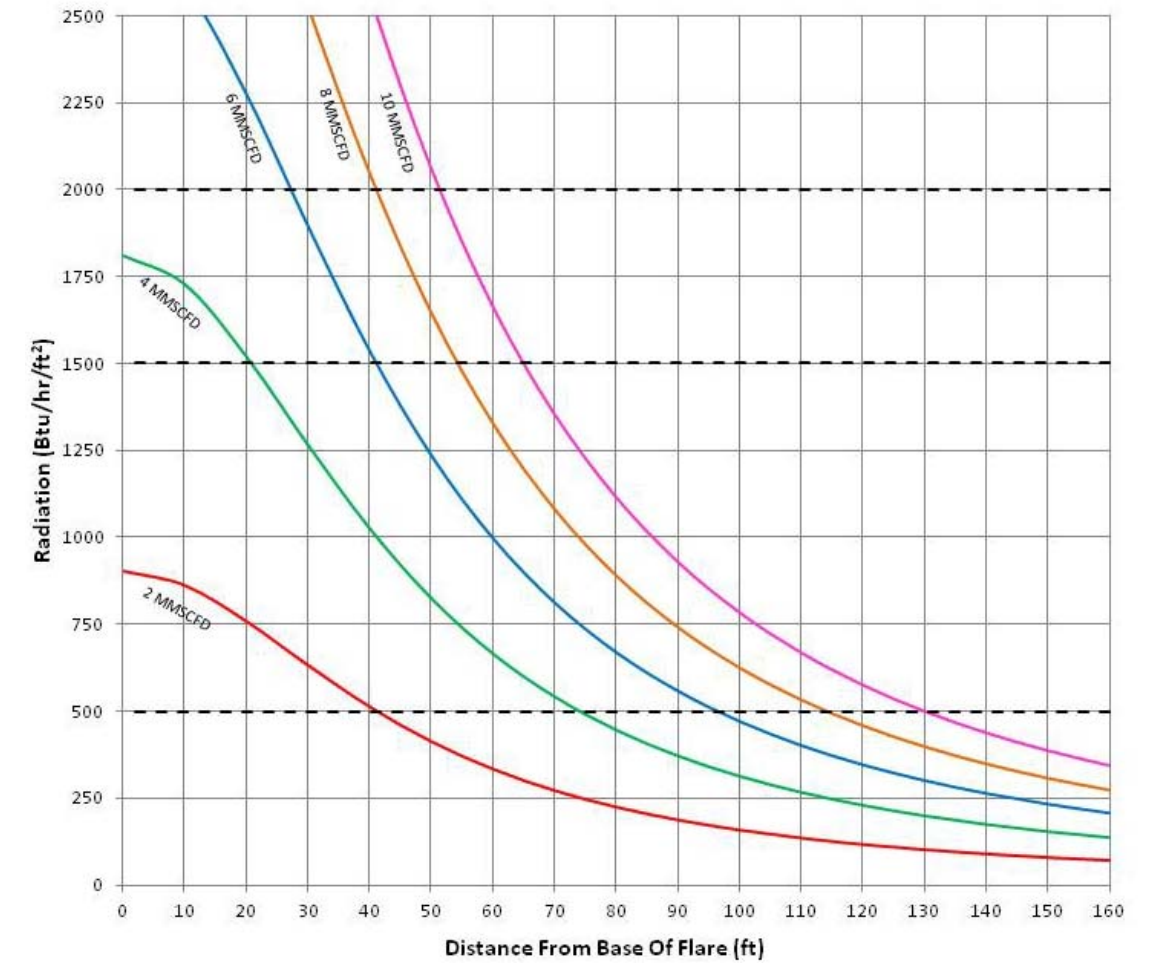
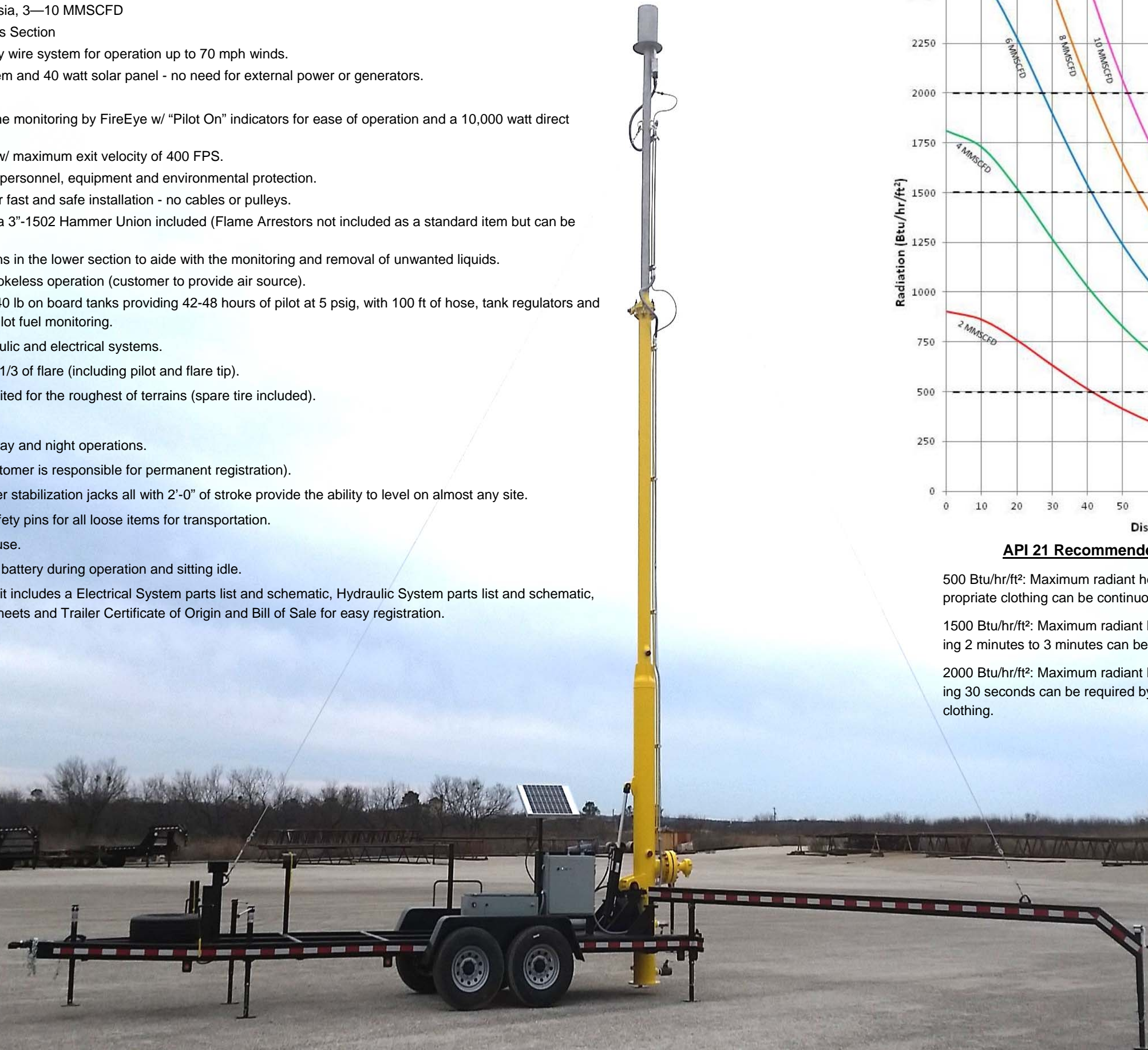
ASME Sec. VIII Div. 1 and Repair and Non-Code capabilities available to fit your specific needs.



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- 40'-0" O.A.H.
- Operates between 0 - 120 °F @ 14.6 psia, 3—10 MMSCFD
- 6" Flare Tip (w/ 16" shield) X 10" Liquids Section
- Stabilization Outriggers w/ (3) point Guy wire system for operation up to 70 mph winds.
- Self Contained 12 VDC Electrical System and 40 watt solar panel - no need for external power or generators.
- Per API 521 & 40 CFR 60.18
- Single continuous premix pilot with flame monitoring by FireEye w/ "Pilot On" indicators for ease of operation and a 10,000 watt direct spark ignition system.
- Minimum heat content of 200 BTU/scf w/ maximum exit velocity of 400 FPS.
- Thermal Radiation Charts available for personnel, equipment and environmental protection.
- 12 VDC Powered hydraulic lift assist for fast and safe installation - no cables or pulleys.
- 6"-150# RF inlet and a change over to a 3"-1502 Hammer Union included (Flame Arrestors not included as a standard item but can be included upon request)
- Liquid Level sight and dump connections in the lower section to aide with the monitoring and removal of unwanted liquids.
- Air Assist port if the need arises for smokeless operation (customer to provide air source).
- Propane pilot gas system includes (2) 40 lb on board tanks providing 42-48 hours of pilot at 5 psig, with 100 ft of hose, tank regulators and pressure gauges at tank and flare for pilot fuel monitoring.
- NEMA 12 steel enclosures for all hydraulic and electrical systems.
- Stainless Steel construction on the top 1/3 of flare (including pilot and flare tip).
- 25 ft O.A.L. trailer with dual 7k axles suited for the roughest of terrains (spare tire included).
- 7,300 lb total weight.
- 360° DOT reflective markings for highway and night operations.
- 72 temporary registration included (customer is responsible for permanent registration).
- (5) trailer leveling jacks and (2) outrigger stabilization jacks all with 2'-0" of stroke provide the ability to level on almost any site.
- Fall safety system for operation and safety pins for all loose items for transportation.
- Master 12 VDC kill switch when not in use.
- Internal voltage regulator to charge the battery during operation and sitting idle.
- Complete IO&M manuals with every unit includes a Electrical System parts list and schematic, Hydraulic System parts list and schematic, Critical component manufacture data sheets and Trailer Certificate of Origin and Bill of Sale for easy registration.



API 21 Recommended Thermal Radiation Exposure Limits

500 Btu/hr/ft²: Maximum radiant heat intensity at any location where personnel with appropriate clothing can be continuously exposed.

1500 Btu/hr/ft²: Maximum radiant heat intensity in areas where emergency actions lasting 2 minutes to 3 minutes can be required by

2000 Btu/hr/ft²: Maximum radiant heat intensity in areas where emergency actions lasting 30 seconds can be required by personnel without shielding but with appropriate clothing.

It is the sole responsibility of the "Owner" safety personnel to insure that safe working barriers are in place for the protection of personnel, equipment and site environment.