

**Model 540 PRESSURE REGULATOR VALVE
FOR ABOVE GROUND STORAGE TANKS WITH SUCTION TYPE
ISLAND DISPENSERS**

INSTALLATION INSTRUCTIONS

Installation Instructions

The Model 540 Pressure Regulator Valve is designed to be used in an Aboveground Storage Tank (AST) system, and a dispenser equipped with a suction pump. The vacuum created by the pump actuates the pressure regulator open, and it will automatically shut off when the pump is disengaged. The pressure regulator protects the pump and air eliminator from excessive pressure build up, and its in compliance with a Thermal Pressure relief back to the tank in accordance to NFPA-30 standards.

Important Note *Prior to installation read these instructions completely. Check to make sure all parts are included. Do not substitute parts for those provided, unless specified. Failure to properly follow these instructions may result in improper operation of the valve.*

Parts List
Model 540PR
Pressure Regulator Assembly
1 ½ " Male Shear Adapter

Warranty Statement

All UNIVERSAL products are guaranteed to be free from defects in materials and workmanship. All products are thoroughly tested before shipment and guaranteed to the extent of replacing only products found to be defective in manufacture. We cannot, however, allow claims for labor or consequential damage resulting from purchase, installation or misapplication of our products.

Our responsibility ceases when products are accepted by transportation carriers. All goods are at the risk of the purchaser after they have been delivered by us to the carrier and receipt obtained from same (in good order).

The right is reserved to make changes in pattern, design or materials when deemed necessary, without prior notice. Products, which have become obsolete by reason of design change or discontinued, as a manufactured item may not be returned for credit.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND SPECIFICALLY THE WARRANTIES OF MECHANABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Warning *Universal Valve products should be used in compliance with applicable federal, state and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with environment and material to be handled. Universal Valve makes no warranty of fitness for a particular use*

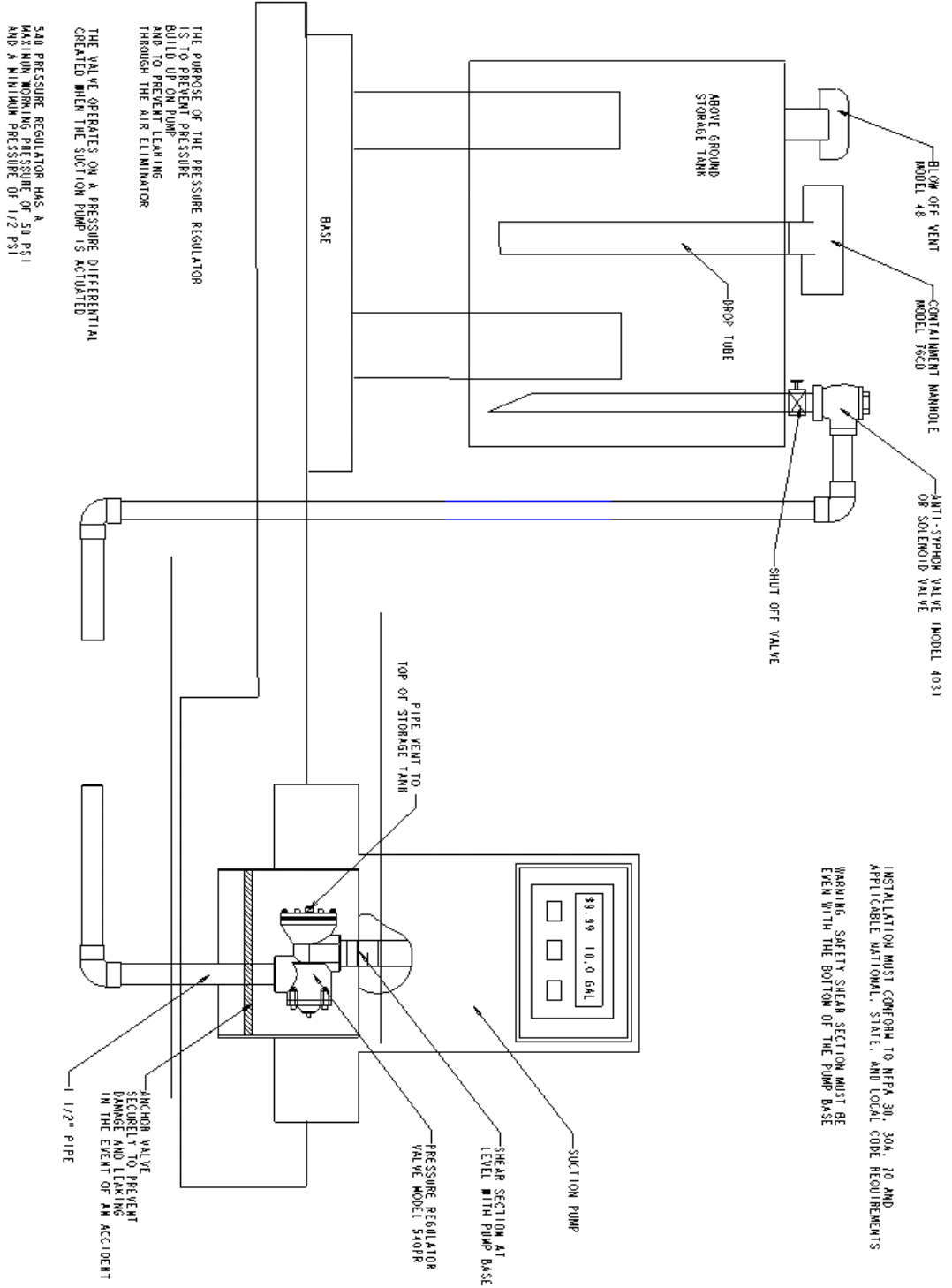


Figure 1

Model 540 Installation Instructions

WARNING WARNING WARNING

Gasoline and Petroleum Products are Flammable, installation instructions should be read and understood by personnel prior to installation to avoid Death, Injury to persons or damage to equipment or property. Specific precautions must be followed when installing, servicing, or using Universal Equipment.

- 1) The Universal Model 540 Pressure Regulator valve must be installed and used in accordance with the latest revision of the National Fire Protection Code NFPA-30A.
- 2) Valve must be securely anchored to island or dispenser with shear section leveled with base of dispenser and top surface of base.
- 3) The model 540 Pressure Regulator is designed to operate at a maximum pressure of 50 PSI.
- 4) All valves used with the model 540 Pressure Regulator must be equipped with thermal expansion relief valves, an excess pressure could cause a component in pipe system to fail and loose product to the environment.
- 5) An Anti-siphon valve or Solenoid valve must be installed adjacent to the shut-off valve at the tank, in accordance to NFPA-30A Para 2-1.7 revision. An anti-siphon or solenoid valve prevents product loss due to failure of the down stream piping or system.
- 6) A shut-off or gate valve is required by NFPA 30 Para 2-2.7.1 Revision. A shut-off valve is used to isolate the product in the tank when servicing or replacing equipment on the down stream piping system
- 7) Installation of model 540 Pressure Regulator valve and other piping components must all be in accordance with the latest National Fire Protection Association Codes, NFPA-30, NFPA-30A, and NFPA-70

Model Numbers

Model Number	Description
Model 540-PR	Standard Model for 1 1/2" Riser

Material

Part	Material
Body and Ends	Cast Iron
Poppet	Cast Brass
Seals	Molded Nitrile
Diaphragm	.050 Fairprene
Shaft Guide Bushing	Brass
O-Rings	UL Nitrile
Bearings	Inter woven self lubricating sleeves
Male shear section	Galvanized Steel pipe w/machined shear section

Miscellaneous Info.

- A minimum pressure of 1 inch of vacuum is necessary to actuate valve open.

