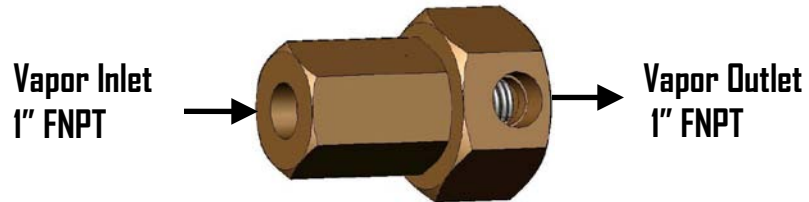
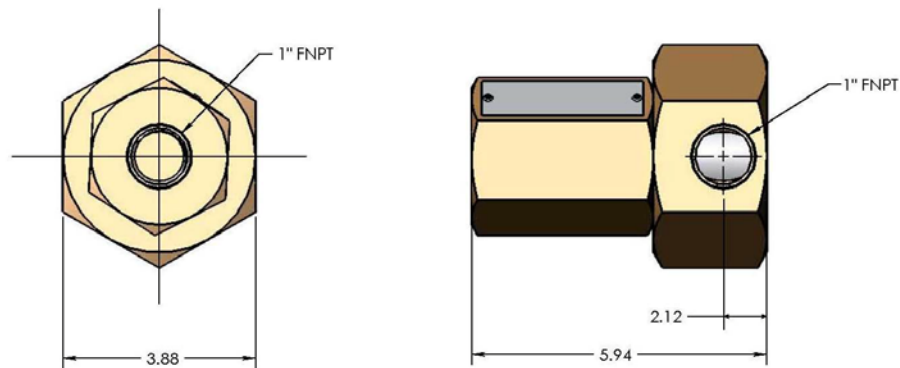


Title: Economy Valve Performance Data
 Product: Economy Valve, P/N 41051
 Issue Date: February 12, 2010



The Economy Valve functions as a high-low pressure valve that allows full use of energy from the environment when available and supplements with energy provided by a vaporizer when insufficient. The valve is for use with both gas fired and electric LP-Gas vaporizers.



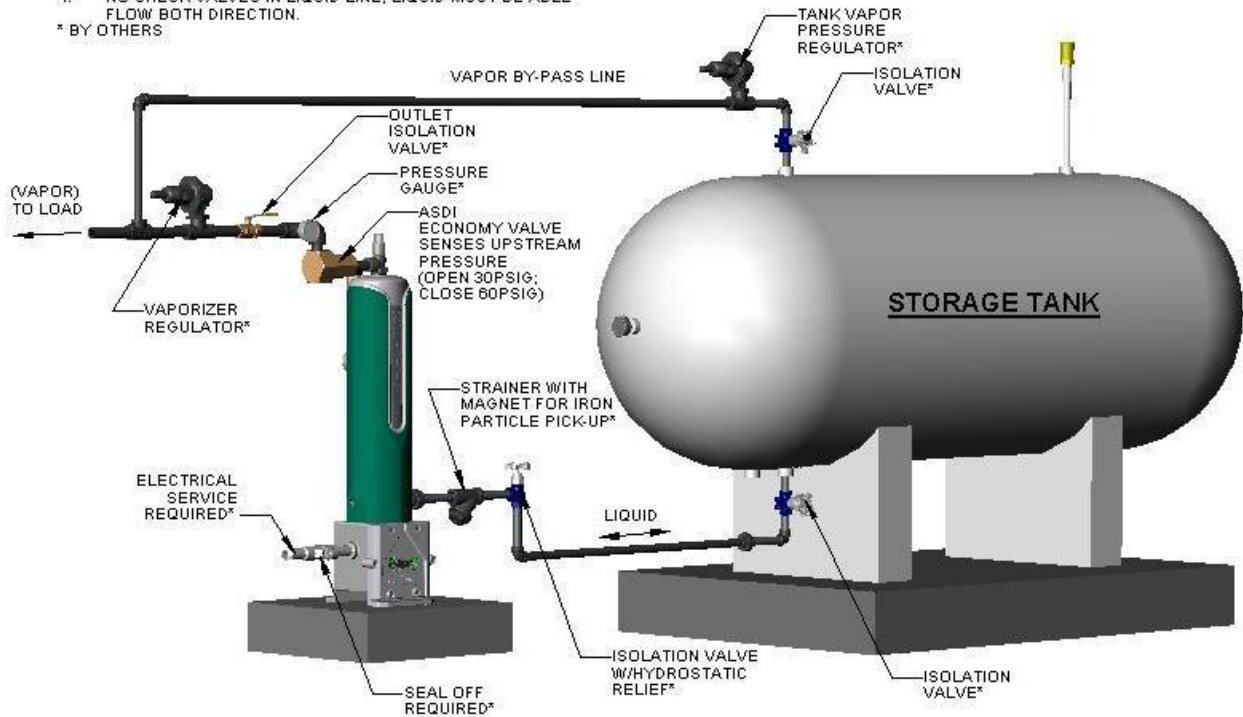
Maximum flow capacity, vapor:.....184 gallons/hr (368 kg/hr)
 Pressure Rating:.....250 psig (17.6 kg/cm²)
 Shipping Weight:.....11lbs (5 kg)

	Vapor Pressure		Temperature Equivalent, Commercial Propane	
	Start to open:	44 psig	3.10 kg/cm ²	21 °F
Fully open:	22 psig	1.55 kg/cm ²	-2 °F	-19 °C
Start to close:	54 psig	3.80 kg/cm ²	31 °F	-1 °C
Fully closed:	82 psig	5.77 kg/cm ²	53 °F	12 °C

A typical installation diagram is provided below for general installation reference. It is important to note that for proper operation the vaporizer regulator must be set for a higher discharge pressure than the tank vapor pressure regulator.

NOTES

1. LIQUID PIPING LOSSES BETWEEN THE VAPORIZER AND THE TANK MUST NOT EXCEED THE HYDROSTATIC HEAD.
 2. INSTALL VAPORIZER 1ST STAGE REGULATOR UPSTREAM OF TANK VAPOR PRESSURE CONNECTION POINT.
 3. SET 1ST STAGE REGULATOR 2-4 PSIG HIGHER THAN TANK VAPOR PRESSURE REGULATOR SET-POINT.
 4. NO CHECK VALVES IN LIQUID LINE; LIQUID MUST BE ABLE FLOW BOTH DIRECTION.
- * BY OTHERS



TYPICAL INSTALLATION w/ ELECTRIC VAPORIZER

At Algas-SDI we are committed to continuous improvement and customer satisfaction. If you have any questions regarding this bulletin or have an improvement suggestion you would like to make, please write or phone Customer Service.