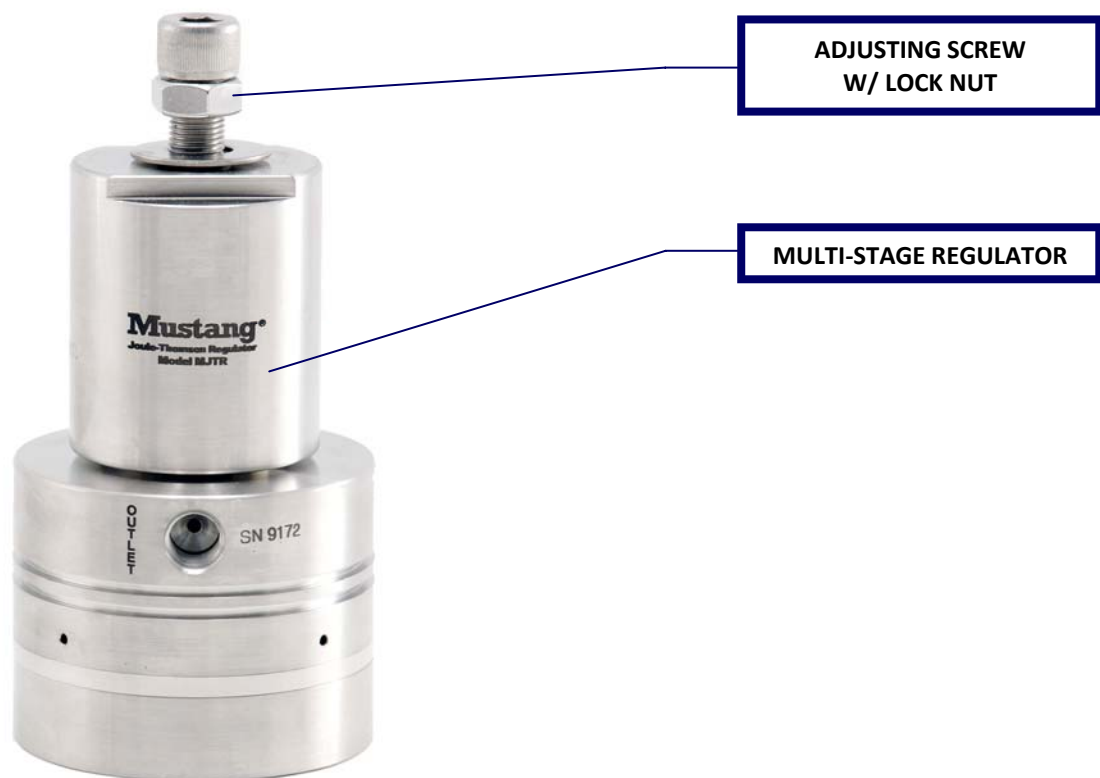




# Mustang Sampling

## Mustang® Joule-Thomson Regulator

# MJTR



The Mustang® Joule-Thomson Regulator MJTR is a four-stage pressure regulator designed to compensate for Joule-Thomson cooling during sample extraction. With a ratio controlled multi-piston design, the MJTR ensures the first three stages are always functional, even with fluctuations to the inlet pressure.

The MJTR can be utilized in any application requiring multi-stage pressure regulation for sample conditioning and calibration gas cylinders. A MJTR, located downstream of a sample probe, permits a 4-stage reduction in pressure without distorting the composition of a vapor sample.

When used in combination with insertion probes, the MJTR is the most practical means for conforming to the API 14.1 and GPA 2166 standards.

## FEATURES

- ▶ Analytically Accurate™ design
- ▶ CRN Approved
- ▶ Offsets Joule-Thomson cooling
- ▶ Low internal volume
- ▶ No dead volume
- ▶ First three stages ratio controlled
- ▶ Adjustable outlet pressure
- ▶ Aids in compliance with API 14.1 and GPA 2166 standards
- ▶ All stages of regulation functional regardless of inlet pressure fluctuations
- ▶ Optional heated assembly (see MJTHR brochure)



# Mustang Sampling

## Mustang® Joule-Thomson Regulator

# MJTR

### PRODUCT DIMENSIONS

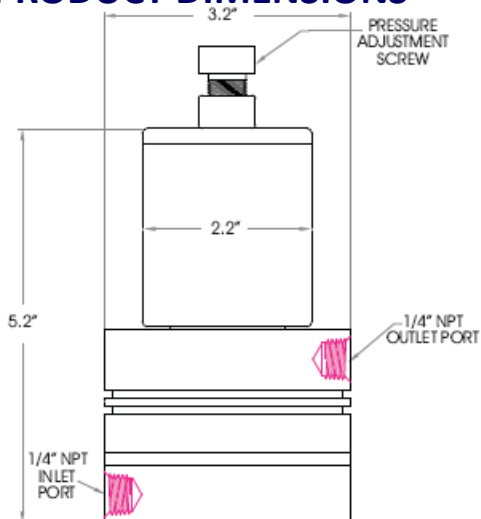


Fig. 1a—Side View

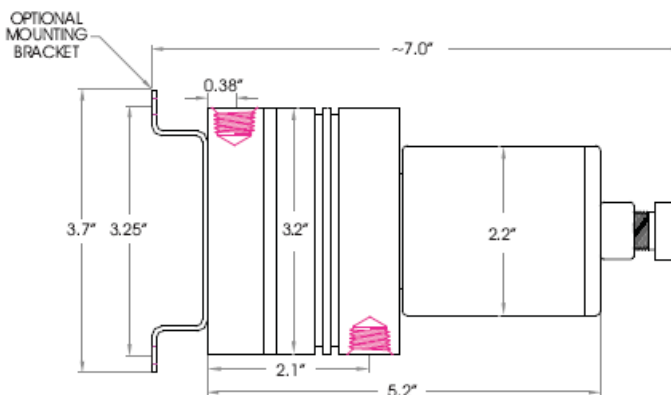


Fig. 1b—Side View w/ Optional Mounting Bracket

### PRODUCT SPECIFICATIONS

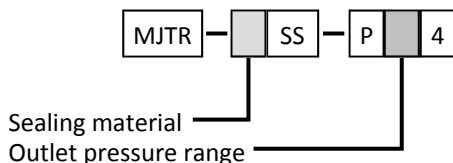
Maximum allowable working pressure	2500 psig & 3750 psig (172 bar & 259 bar)
Temperature range	-40°F-400°F (500°F w/ Kalrez) [-40°C-150°C (260°C w/ Kalrez)]
Port sizes	1/4" female NPT
Outlet pressure range	0-10, 0-25, 0-50, 0-100, 0-250, or 0-500 psig (0-0.69, 0-1.72, 0-3.45, 0-6.89, 0-17.24, or 0-34.47 bar)
Wetted materials	Machined parts: 316 stainless steel/NACE compliant All other metal parts: stainless steel/NACE compliant O-ring: Viton®/Kalrez (other materials available upon request)

### MODEL NUMBERS

Your model number is determined by your specific needs; choose options below:

Sealing Material	0=Viton® 1=Kalrez (other materials available upon request)
Outlet pressure range (psig)	0 = 0-25 1 = 0-50 2 = 0-100 3 = 0-250 4 = 0-500 9 = 0-10
Mounting bracket accessory	Part # MJTR-509-SS (sold separately)

How to build the model number\*:



\*For applications requiring heat, see Mustang® Joule-Thomson Heated Regulator (MJTHR) brochure



## Mustang Sampling

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