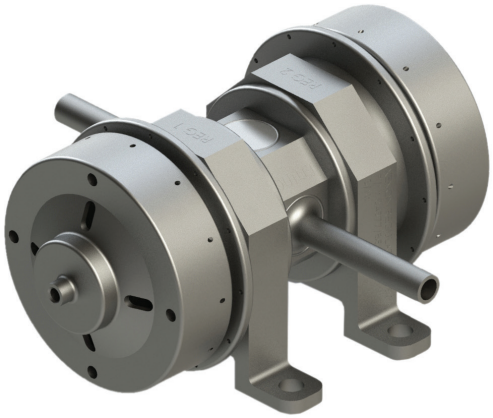
Electric Propulsion Xenon Regulator

P/N: B56330-1/2

The most important thing we build is trust

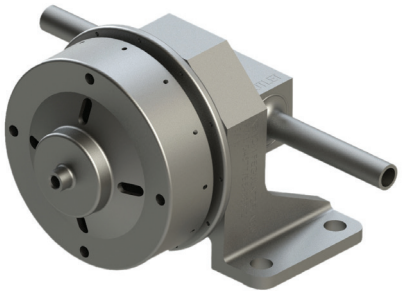


Cobham's advanced Electric Propulsion Xenon Regulators, used to regulate pressure on satellite propulsion systems, feature significantly higher flow rates in the smallest most lightweight envelopes possible.

The dual stage Xenon regulator (part number B56330-1) is arranged in a series redundant configuration to ensure continued system function should either stage fail open. This arrangement is dictated by applications for which high operational reliability is required.

A single stage Xenon regulator variant (part number B56330-2) is designed to meet smaller mass and envelope requirements.

Extremely low external leakage performance is achieved by employing welded closures to all external leak paths. The low weight of the regulator stems from optimal design and packaging of components around customer requirements.



Key Features

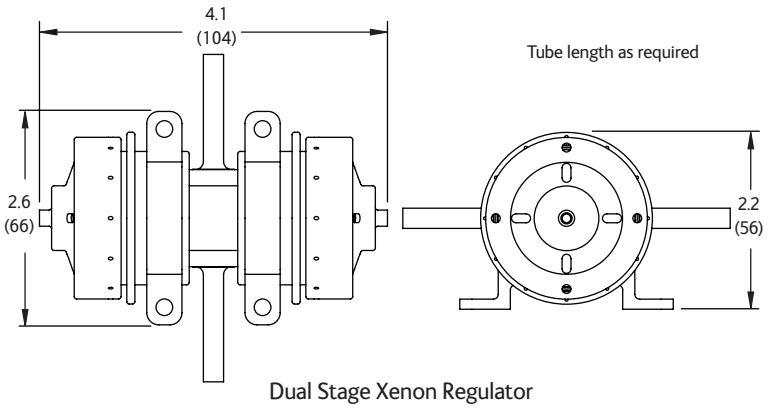
- Series redundant and single stage options
- High performance
- Low leakage
- Lightweight

Specifications

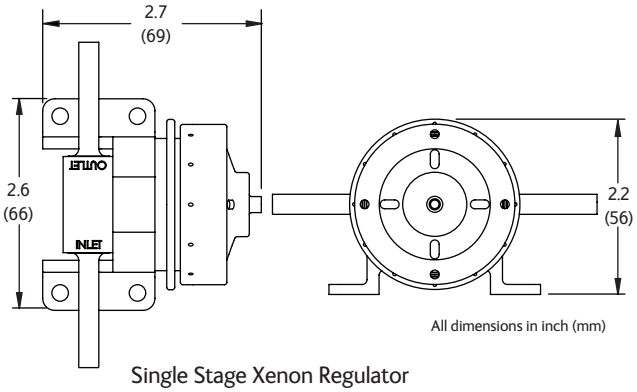
Medium	Xenon	
Inlet Pressure	70 to 2,700 psia	(5 to 186 bar)
Outlet Pressure	37.0 +/- 1.8 psia	(2.55 +/-0.13 bar)
Lockup Pressure	<50 psia	(<3.5 bar)
Flow	</= 200 mg/s	
Internal Leakage	1.0 x 10^{-3} sccs	
External Leakage	1.0 x 10^{-6} sccs	
Weight		
B56330-1	1.35 lb max	(0.61 kg)
B56330-2	0.8 lb max	(0.36 kg)

Operating Environment:

Temperature	-13 to 160 deg F	(-25 to 71 deg C)
Humidity	0 to 95%	
Vibration	21.6 grms each axis	



Dual Stage Xenon Regulator



Single Stage Xenon Regulator

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