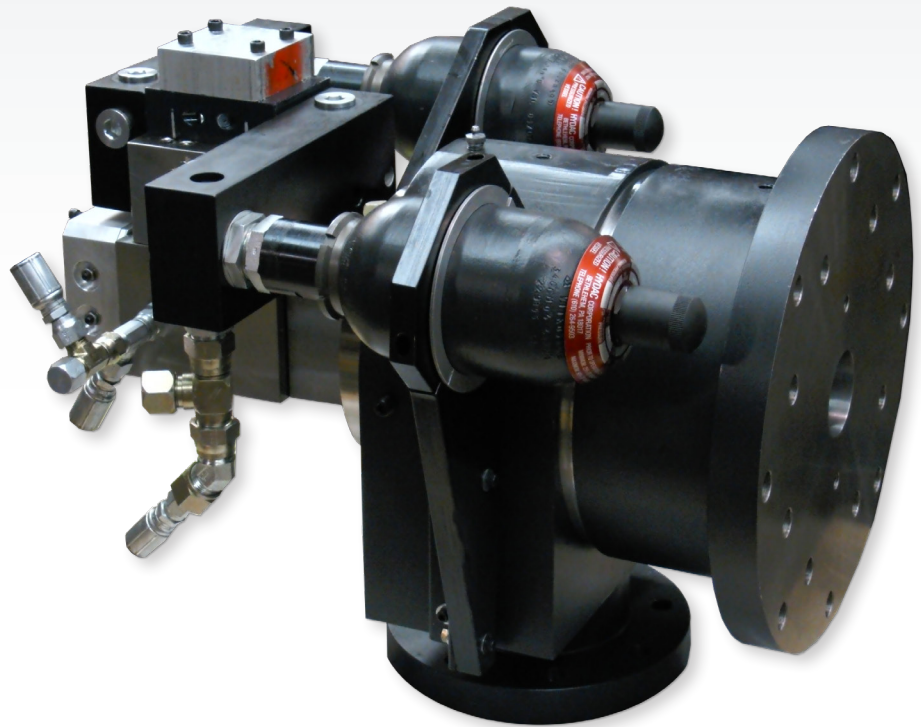


Team Corporation has been involved with the design, manufacture, application and installation of acoustic generators for more than 50 years. Team's acoustic generator is the result of many years of design experience and the evolutionary development of an original acoustic generator patented by the Aircraft Division of Northrop Corporation. Team worked with Northrop as a supplier and subcontractor from the initial design until we acquired the patent in 1973.

# Acoustic Vibration

The Mark VI and Mark VII acoustic generator consists of a servo-hydraulic actuator driving a specialized reciprocating poppet valve that provides modulation of a high pressure airstream. This design has proven to be the most effective sound source for large reverberant and progressive wave tube test chambers, providing extreme power handling capabilities with high efficiency. Peak acoustic pressures of approximately 60% of the supply pressure are produced downstream of the poppet valve.



## Features:

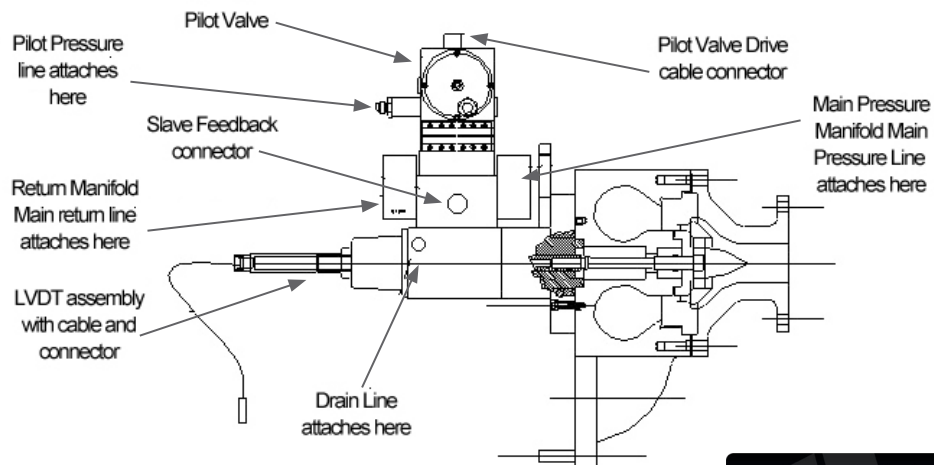
- Reliable Servohydraulic Actuator
- Specially Designed Reciprocating Poppet Valve
- Exact Modulation of Gas Flow
- Highly Efficient Gas Flow
- Low Maintenance

## Applications:

- Reverberant Chamber
- Progressive Wave Tube
- Satellite Testing
- Spacecraft Testing

# Specifications

	MK VI	MK VII
<b>Acoustic Power *</b>	150,000 Acoustic Watts	200,000 Acoustic Watts
<b>Frequency Response</b>		
Poppet Valve Response	20-500 Hz	20-500Hz
Frequency Content of Acoustic Noise	Output to 10,000 Hz	Output to 10,000 Hz
Dynamic Range (SPL)	25 dB re Full rated output	25 dB re Full rated output
<b>Hydraulic Actuator</b>		
Piston Area	1.5 in. <sup>2</sup> (968 mm <sup>2</sup> )	3.5 in. <sup>2</sup> (2290 mm <sup>2</sup> )
Stroke	0.3 in. (7.62 mm)	0.3 in (7.62 mm)
Dynamic Force (Sine) **	3,000 lbf	7,000 lbf
Static Force **	4,500 lbf	10,500 lbf
<b>Servo Valve</b>		
Flow Capacity	140 in <sup>3</sup> /sec @ 200 Hz	140 in <sup>3</sup> /sec @ 200 Hz
<b>Accumulators</b>		
Volume	1 pint	1 quart
<b>Hydraulic Supply</b>		
Flow Required	30 GPM @ 3,000 PSI	30 GPM @ 3,000 PSI
Full Flow Filtration	3 Micron Absolute	3 Micron Absolute
<b>Gas/Air Supply</b>		
Flow Range Required	120-3500 SCFM	120-4499 SCFM
Pressure Range	150 - 200 PSI	150 - 200 PSI



\*Output Rated at a flow of 3000 SCFM & 200 PSIG

\*\*At 3000 PSI hydraulic pressure





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