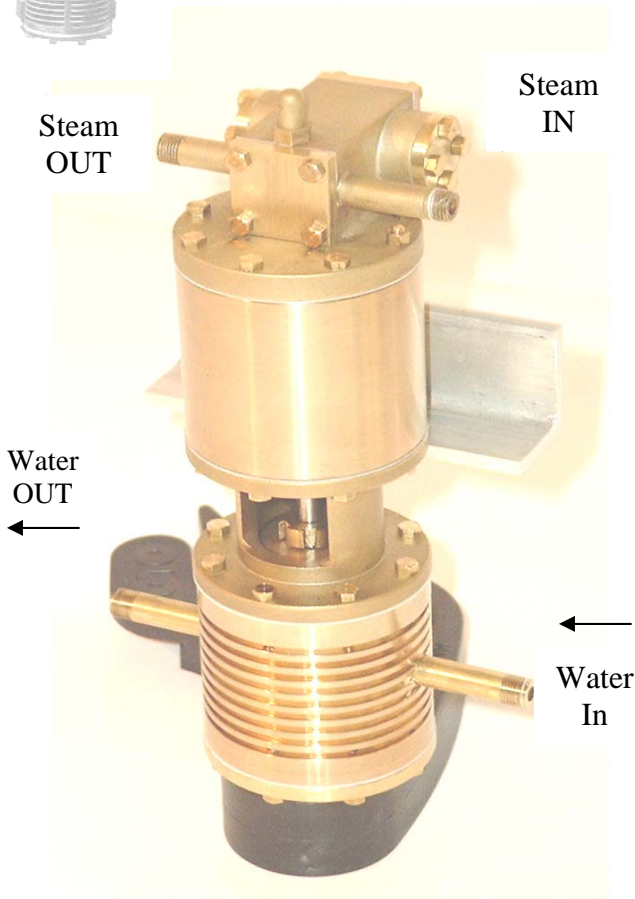
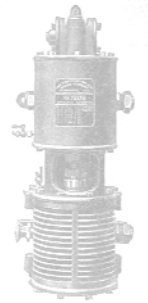
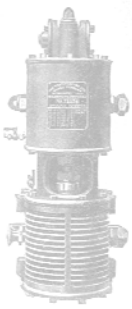


# Single Cylinder Steam Water Pump

by **Keim Steam Pumps**  
For 1 ½" Scale Steam Locomotives



- Proportioned model of a 9 ½" Westinghouse air compressor.
- Overall height 6 ¼" : Maximum body diameter 1.73"
- ¼-40 MTP male pipe threads on all connections.
- Working pressure range: 50-120 psi.
- Displaces 1.59 pints per minute at 120 strokes per minute.
- Steam bore 1 ⅛": Water bore ⅝": Stroke 1¼"
- Lubrication: 600W steam cylinder oil or equivalent.
- One piece shuttle valve design.
- Universal mounting bracket
- Left or Right Side Admission available.

**Right Side Admission Style Shown  
(Fireman Side Mount)**

The Westinghouse 9 ½" air compressor was the first widely used steam driven appliance applied to steam locomotives after the introduction of Westinghouse's air brake system in 1869. After the development of the cross compound air compressor, the single cylinder air compressor was retained on many locomotives, especially those delegated to branch line passenger and freight service. The model pump developed today is a proportioned representation of the 9 ½" air compressor. This model was designed as a water pump to satisfy the need for a reliable alternative feedwater supplying device. This pump should not be used as the only source for forcing water into your boiler, but as a supplement to existing methods. This model provides the visual appearance and the rhythmic auditory sensation of a working prototype compressor.

A displacement lubricator is not supplied but is required when plumbing this pump up to a steam line. Operation can be made using compressed air, however, an inline lubrication system is recommended.

A cold pump should not be started on low steam pressure since this will flood the steam chambers and passageways with water. Instead, a cold pump should be started at higher pressure 75-120 PSI. This model pump has been designed to be resistant to "condensate lockup". Allow up to 60 seconds for a cold pump to start. Normal response time for a pump to begin cycling is 5 to 15 seconds.

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