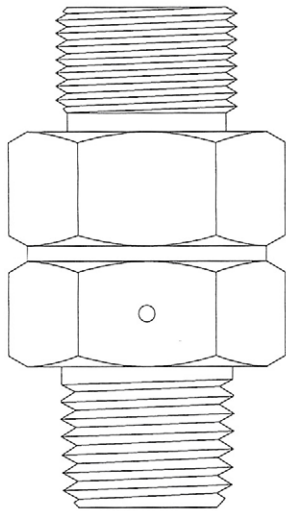


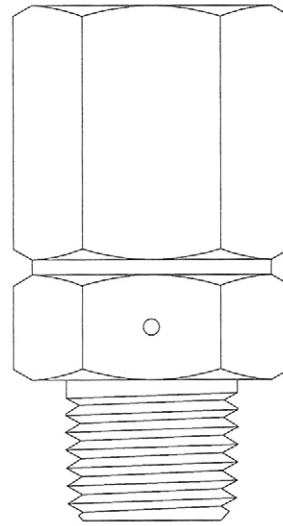
Load Genie®

Unloading Check Valves

Load Genie®



"CA" Series
Load Genie®
for Tube Compression Fitting



"PA" Series
Load Genie®
for Pipe

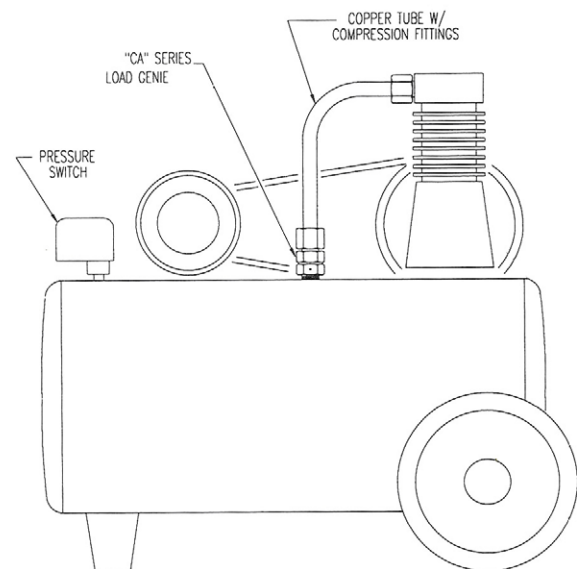
A compressor running in a "start-stop" mode operates more efficiently if the pressure trapped in the compressor head and discharge line is released after each pump-up cycle. This allows smoother starts and the use of a motor with lower starting torque.

The most convenient way to release this trapped pressure is to use a Load Genie® combination check and unloader valve, available only from Control Devices, Inc. Simply install this unique valve in the compressor discharge line, and the Load Genie® does the rest!

The Load Genie® senses air flow when the compressor is running and closes an unloading orifice port. When airflow stops (such as when the pressure switch turns off the motor), the Load Genie® opens the unloading orifice to release head pressure, and a built-in check valve keeps receiver air from leaking back into the discharge line and compressor head.

Alternative methods rely on external unloading valves mounted on the pressure switch or compressor. These external unloading valves are connected with appropriate tubing and fittings to the compressor discharge line or compressor head. A tank check valve is also required. These systems, then, consist of the unloading valve, connecting tubing with appropriate fittings, a tank check valve, and the labor to install it all.

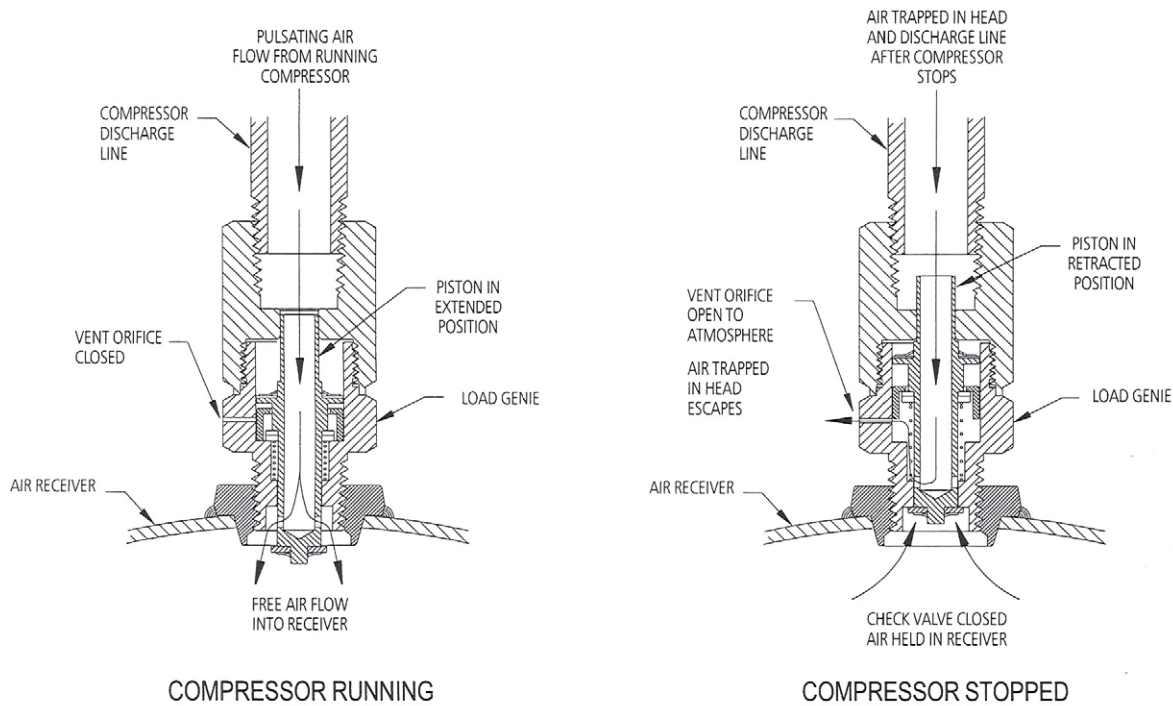
Compare this to the single component installation of a Load Genie®, and the advantages are apparent.



TYPICAL LOAD GENIE® INSTALLATION

Load Genie®

Unloading Check Valves



MODEL NUMBER	INLET	OUTLET	MIN & MAX FLOW (SCFM)	DIMENSIONS		APPROX. SHIPPING WT.
				HEX	LENGTH	
CA-6	3/8" O.D. TUBE COMPRESSION	1/4" MPT	1 TO 6	3/4"	1-9/16"	2 oz.
SCA-6	1/2" O.D. TUBE COMPRESSION	1/4" MPT	1 TO 6	3/4"	1-5/8"	2 oz.
PA-6	1/4" FPT	1/4" MPT	1 TO 6	3/4"	1-3/4"	2.5 oz.
CA-12	1/2" O.D. TUBE COMPRESSION	3/8" MPT	3 TO 12	13/16"	1-11/16"	2.5 oz.
PA-12	3/8" FPT	3/8" MPT	3 TO 12	13/16"	1-13/16"	3 oz.
CA-24	3/4" O.D. TUBE COMPRESSION	1/2" MPT	8 TO 24	1"	2-1/8"	5 oz.
PA-24	1/2" FPT	1/2" MPT	8 TO 24	1"	2-1/4"	6 oz.
CA-48	3/4" O.D. TUBE COMPRESSION	3/4" MPT	15 TO 48	1-3/16"	2-3/16"	6 oz.
PA-48	3/4" FPT	3/4" MPT	15 TO 48	1-3/16"	2-3/8"	8 oz.

ORDER GUIDE

1. It is **most important** to match the rated flow range of the Load Genie® with the compressor flow capacity. Also, keep in mind that as the compressor discharge pressure goes up, the flow capacity goes down. If the flow capacity of the compressor drops below the minimum rated flow of the Load Genie®, the valve will react as if the compressor had stopped, and will vent the discharge line. Therefore, it is better to size the Load Genie® toward the maximum end of its rated flow range.
2. Next, select the desired inlet configuration, tubing compression fitting or internal pipe thread. Please note that, based on the flow selection criteria above, the inlet and outlet sizes may not match the fitting sizes found in the compressor and tank. In this case, use appropriate reducers available in any hardware store.
3. Order by model number. Vibra-seal® 516 is available as an option.