



**Installation Instructions for  
Model:**

**A-7 Oil Pressure Reducing Valve**

**The A-7 Oil Differential valve is a constant outlet pressure regulator, and is used in high pressure oil systems, to reduce the oil pressure to the oil level controls. On split suction group systems, one A-7 is needed for each group.**

1. The A-7 is installed in the oil line between the oil reservoir and oil level control.
2. An A-7 is required for each compressor suction group if the system has a split suction header, thus maintaining two or more suction temperatures.
3. A satellite compressor may have a much lower suction pressure than the other multiplexed compressors and may need its own reducing valve.
4. Multi-stage compressors may have a higher crankcase pressure than suction pressure.
5. It is important to be aware of the maximum crankcase pressure. Set the A-7 Pressure Reducing Valve to 5-10 psi. above the maximum compressor crankcase pressures.
6. Some system transitions may raise suction pressure above the normal running pressure, such as after a defrost cycles.
7. Turn in (clockwise) to increase pressure. Turn out (counter-clockwise) to decrease pressure. Approximately 7 psi per turn. Factory set at 40 psi  $\pm$  2.

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