

The A-7 Oil Differential valve is a constant outlet pressure regulator used in high-pressure oil systems to reduce oil pressure to the oil level controls. On split-suction group systems, one (1) A-7 is needed for each group.

- 1. The A-7 is installed in the oil line between the oil separator and oil level control. Some sort of access will be needed between the A-7 and oil level control for adjusting the pressure.
- 2. In addition, an isolating valve should be installed for future filter replacement.
- 3. 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.
- 4. A satellite compressor may have a much lower suction pressure than the other multiplexed compressors and may need its own A-7 valve.
- 5. Multi-stage compressors may have a higher crankcase pressure than suction pressure.
- 6. It is important to be aware of the maximum crankcase pressure. Set the A-7 Pressure-Reducing Valve to 5-20 PSI above the maximum compressor crankcase pressures. Note: the greater the pressure, the higher the oil level will be in the compressor.
- 7. Be aware some system transitions may raise suction pressure above the normal running pressure, such as after defrost cycles.
- To adjust pressure, turn the A-7 adjustment in (clockwise) to increase pressure. Turn out (counter-clockwise) to decrease pressure. Approximately 7 PSI per turn. Factory set at 40 PSI ± 2.

For translations of these instructions, go to our website: <u>click here</u> or scan the QR code.



Questions? Call 1-800-552-9300 or 630.293.5910 or email us at temprite@temprite.com