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### 06T Service Valve Improvements



Carlyle Compressor is announcing several important improvements to the service valves used on our 06T and 05T compressors.

Based on customer and field input we have determined that the current service valves used can cause excessive pressure drop in the largest sizes with high pressure refrigerants such as R-404A and R-507. In addition, we have found the higher flows through the discharge service valve have caused excessive stresses and wear between the valve stem and seat assembly in the larger CFM displacements.

For these reasons, Carlyle has changed over to a new ball valve to reduce pressure drop and excessive stresses found in the conventional service valves used for over 30 years.

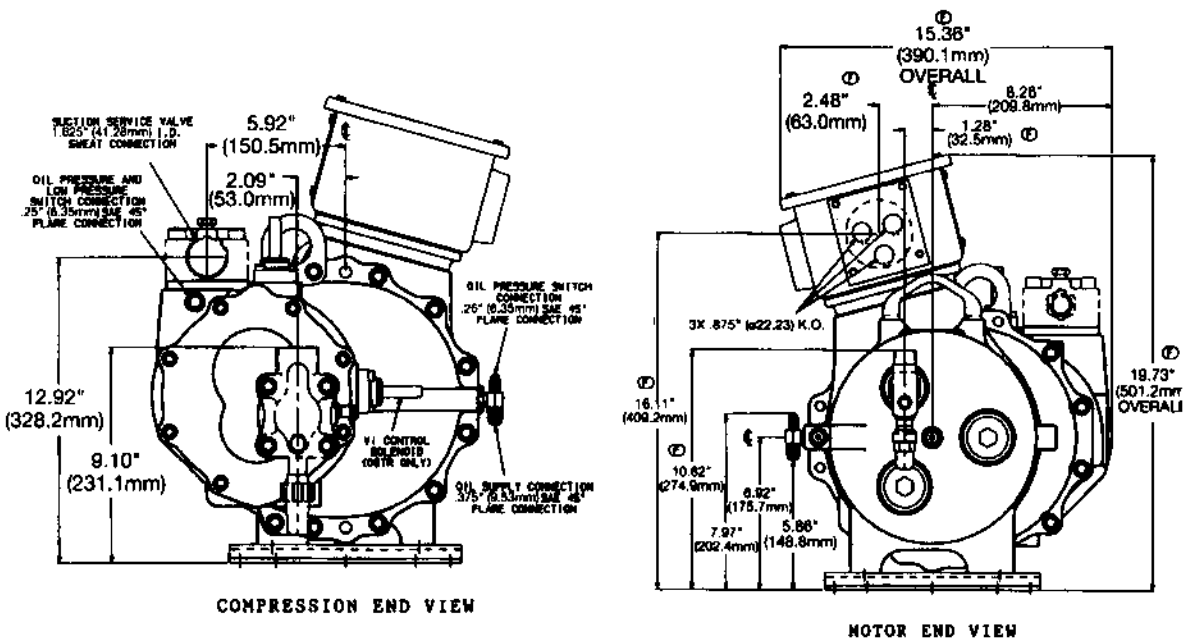
Evaluation of our compressors have found that the pressure drop and higher valve stresses are only found in our 65, 78, 88 and 108 CFM medium and high temperature models. It is also limited to medium and high temperature R-404A/507 and high temperature R-22 applications. These issues are not evident in our smaller 33-54 CFM models or in R-134a applications and no changes in recommended valves are required. The following compressors will begin receiving the larger service valves beginning in early 1999:

06TAG065	06TRG078
06TAH078	06TRH088
06TAK088	06TRK108

Shown in *Figure A* is the current service valve dimensional data with the conventional 1-5/8" service valve while *Figure B* shows the dimensional data with the new 1-5/8" ball valve.

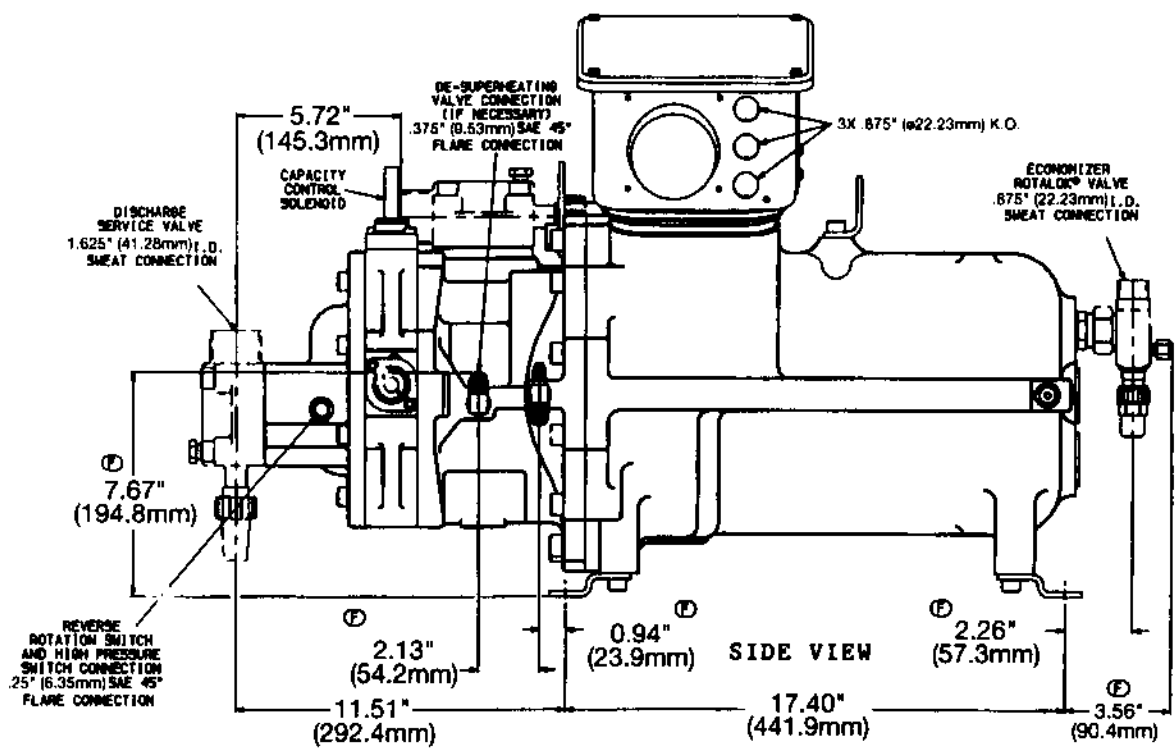
Separate service valve packages are now being set up with the new 1-5/8" ball valve under our new part number 06TA680005. This service valve uses the same gasket between the valve and compressor body as found in the other conventional 06TA660001 valve package. Please note that because the valve flange is thinner with the ball valve, the metric mounting screws (allen-head) are shorter in the 06TA680005 package.

FIGURE A



FOR REFERENCE ONLY  
INCHES  
[MILLIMETERS (mm)]

FOR REFERENCE ONLY  
INCHES  
[MILLIMETERS (mm)]



FOR REFERENCE ONLY  
INCHES  
[MILLIMETERS (mm)]

FIGURE B

