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# IPAC

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## **CENTRIFUGAL SEPARATORS INSTALLATION AND MAINTENANCE MANUAL**

### INSTALLATION

The condensate separator should be installed directly downstream following the after-cooler, before the dryer or receiver tank. The inlet and outlet connections are indicated on the separator for proper directional installation. Operating the separator in the reversed direction will significantly reduce its efficiency and increase the pressure drop. The separator is designed for indoor and outdoor installation but provisions for freeze protection should be taken when necessary.

### CONNECTION

Models WS005 thru WS3B have female, NPT air inlet and outlet connections. To install, use pipe thread sealant or Teflon tape on all connections. Models S04 thru S15 flanged air inlet and outlet connections. To install, use gaskets that are rated for the operating temperature and pressure. Use only pipe fittings with pressure rating equal to or greater than the maximum pressure of the air compressor.

### DRAINING

The separator should be installed with the body in a vertical position to facilitate drainage. A suitable drain mechanism should be attached to the drain connection. An external drain for draining condensate should be installed, preferably a Beko no-air loss drain is recommended. Timer solenoid or float drains are also available upon request. Consult CAG.

### MAINTENANCE

IPAC separators are designed for a long, maintenance free life. Models S04 thru S15 contain no moving or replaceable parts. Units should be examined annually for wear by corrosion. Models WS005 thru WS3B may be examined internally as follows: depressurize the system, depress the patented quick-lock mechanism on the separator cap while twisting the body clockwise, then pull the body downward to disengage the body from the cap; reverse the procedure to re-assemble. Apply a light coating of petroleum or silicone oil to the o-ring to ease the re-assembly. Make sure that the arrow on the separator body is aligned with the notch on the separator cap to ensure proper assembly.

**IPAC Inc.**

