Air enters the circular air path of the Consep® through the side inlet port.

Large external cooling fins cause oil, water and contaminants to condense and separate from the air.

Centrifugal effect forces the oil, water and contaminants to the housing wall, where they run to the bottom of the system.

Clean air exits the outlet port on top of the housing to continue on to the remaining components of the air system.

Oil, water and contaminants are held in the bottom, while clean air exits the Consep.

Oil, water and contaminants are expelled from the system through the electronically controlled automatic drain valve.

Application Information

1. Low maintenance Condenser/Separator. Ideal for air treatment of less demanding systems; or as pre-treatment installed prior to the air dryer on high air use vehicles, where it typically doubles the life of the dryer’s desiccant cartridge.

2. Determine whether 12 or 24 volt.

Competitive Advantages

- Functions in temperatures up to 140°F
  
  Advantage Haldex: Separates oil and contaminants in high temperature environments.

- Integrated Automatic Drain Valve
  
  Advantage Haldex: No monthly maintenance required. Purges contaminants with each service brake application.

- Heated Drain Valve
  
  Advantage Haldex: Prevents freeze up.

- OE quality
  
  Advantage Haldex: Less downtime and no rework.

Special Notes:

Mounting bracket is included for easy installation.
Cross-Reference Information

The Haldex Consep® (Condenser/Separator) is a replacement for:
- Bendix® PuraGuard

Competitor Overview

BENDIX® PURAGUARD

1) Oil filter must be replaced periodically.
2) Manual Drain Valve - requires monthly manual draining, which if not done could negate any benefits.
3) No built-in heater - drain valve could freeze.
4) Maximum operating temperature of only 125°F, requires greater length of discharge line to prevent damage to unit.
5) Installed down stream from the air dryer which does not increase dryer desiccant life.

Interchange/Upgrade Programs

Interchange/Upgrade Programs are not applicable to the Haldex Consep.

Warranty

One Year/100,000 Miles from date of installation.

Available Literature

Current  Haldex Master Catalog
L20381  Air Treatment Brochure
L20569  Air Treatment Fleet ID Guide
L25049  Consep Data Sheet

Installation Advisories

✓ If the vehicle is equipped with an air dryer, it is important to install the Consep as close as possible to that dryer. It is critical that the inlet air temperature to both the Dryer and Consep be below 140°F to gain maximum efficiency. Normally the first four feet of discharge line from the compressor should be Teflon lined, braided stainless line to resist vibration and the remaining 10 to 12 feet copper to dissipate heat. Use the amount of copper necessary to achieve an inlet temperature of 140°F or less. Run all lines downhill from the compressor and coil excess copper in a downward manner to eliminate water traps.
✓ Ensure the main power to supplied solenoid is key switched to prevent battery drain.
✓ Inspect discharge line to ensure no blockage exists.
✓ Tighten fitting finger tight plus one and a half to two turns to prevent leakage and port splitting.
✓ Use thread sealant, not thread tape to prevent system contamination.
✓ Ensure stoplight switch is functioning properly.