

HJ NON-RETURN VALVES



High quality injection valves for premium protection of your engine and maximum efficiency of your cylinder lubrication system.

Hans Jensen Non-Return injection Valves are custom made for your specific engine and stand out in three areas: compact design between the valve seat and the injection holes, the injection hole diameter and a high opening pressure to give a more precise injection timing.

Compact design

When the cylinder oil passes the Non-Return Valve it is exposed to the gasses inside the cylinder and starts to degrade immediately. Minimizing the dead volume between the valve seat and the injection holes ensures that the cylinder oil stays as fresh as possible for a longer time, when injected in the cylinder. This helps preserve the chemical properties of the oil.

Injection hole diameter

HJ Non-Return Valves have a reduced injection hole diameter. This secures faster oil flow, which means that the oil does not simply run down the liner wall below the valve, but is actually injected into the piston ring pack for improved distribution and higher efficiency.

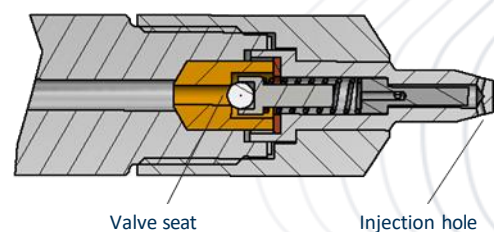
High pressure

The opening pressure of the non-return valve in the nozzle is increased for more precise timing and faster oil flow through the nozzle during valve activation.

Benefits

- Reduced wear of liners and piston rings
- Lube oil properties are better utilized
- Reduced oil consumption compared to original valves
- Fits in the existing bore holes

Detailed illustration of the valve nozzle



Valve seat

Injection hole