



# INTEGRAL GAS ENGINES

## Rebecca® Fuel Gas Injector Valves

Save time, simplify maintenance and maximize productivity by replacing ordinary fuel injector valves with the patented Rebecca Cartridge Valve System.

### VALVE REPLACEMENT MADE EASY

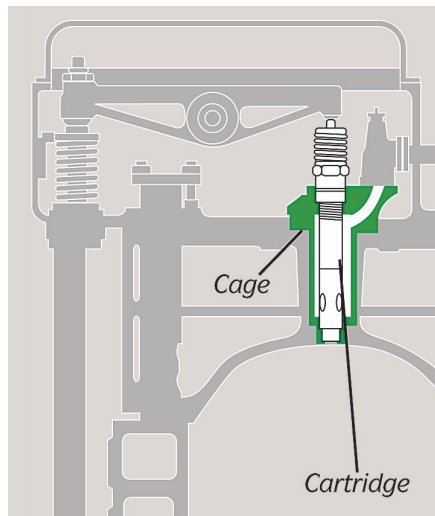
With the Rebecca system, valve removal, inspection and replacement are fast and easy. Total replacement time is reduced from hours to minutes.

### CARTRIDGE DESIGN

The two-part system consists of a permanent valve body (“cage”) and replaceable cartridge assembly. The cartridge contains the complete valve mechanism and seat. For inspection, maintenance or replacement, simply remove the valve cartridge — the cage and all fuel gas piping remain in place.

### TOP-LOADED

Rebecca valve cartridges are top-loaded, making them easy to reach. To remove a cartridge, simply swing the engine rocker arm out of the way and unscrew the cartridge from the top of the cage. The only tool needed is a socket wrench. The cage stays in place, so there is no heavy lifting — and never a need to press a stuck part from the cylinder head. To install a Rebecca cartridge, simply replace the gasket and screw-in the cartridge.



### ADVANTAGES

- Top-load design for easy access
- Minimizes downtime, maximizes production
- Simplifies maintenance
- Cuts replacement time from hours to minutes
- Cartridge allows valve replacement without removing cage or piping
- No heavy lifting
- Proprietary long-life sealing element
- Works with mechanical or hydraulic lifters
- Conversions for most engines

## THREE HOURS VS. 15 MINUTES

Ordinary fuel valve replacement can take up to three hours. A typical Rebecca cartridge change-out takes only 10-15 minutes.

## OPERATIONAL FEATURES

- **Fugitive emissions control.** Spring-loaded, non-metallic, self-adjusting packing allows low-friction operation and reduces stem leakage. A patented inert gas, pressure-buffered system is available on request.
- **Lube-free operation.** Low-friction, pre-lubricated bushings at both ends of the Rebecca valve stem eliminate the need for lube maintenance.
- **Field-proven performance.** Quality and reliability have been proven worldwide in a variety of applications.

## CONVERSIONS FOR MOST ENGINES

Cooper, Clark and Worthington integral engines are easily adapted for the Rebecca system. For most applications, Cook Compression supplies a new cage. Upon request, the original cage of certain models can be modified to accept the Rebecca cartridge.



Clark



Cooper-Bessemer



Worthington

Cooper-Bessemer is a registered trademark of Cooper Energy Services. Clark and Worthington are products of Dresser-Rand Company.