

## EPV-750 POPPET VALVE UPGRADE

COOPER-BESSEMER™ COMPRESSORS

### Applications

The EPV-750 has been successfully incorporated in compressor designs from all major manufacturers for operation in a variety of gas transmission, gas production, hydrocarbon processing and industrial air applications.

### Economics

Where conventional valves may experience losses of 6-20% (as a percentage of total indicated horsepower), the EPV-750 total suction and discharge losses are typically only 4-12%. This translates to significant fuel or kilowatt savings. Plus, with an initial cost of up to 40% less than conventional ported plate valves, the payback time is typically less than 18 months.

### Features

**Unique, patented valve design:** A counter-bored shoulder is incorporated in the exit port immediately upstream of each poppet seating surface. The counter bore ensures turbulent flow and, together with the aerodynamically shaped poppet head, provides a valve with the lowest pressure drop and highest horse-power loss efficiency rating of any compressor valve.

**Independent poppet operation:** A poppet damaged by liquids or particulates in the flow stream has no effect on the performance of other poppets in the valve

**Suitable for lubricated or non-lubricated service:** Each spring is guided within the poppet shank, and each spring pocket in the valve guard is vented to prevent liquid or particulate buildup.

**Interchangeable parts:** Common parts are used interchangeably in different EPV-750 valves, minimizing inventory requirements.

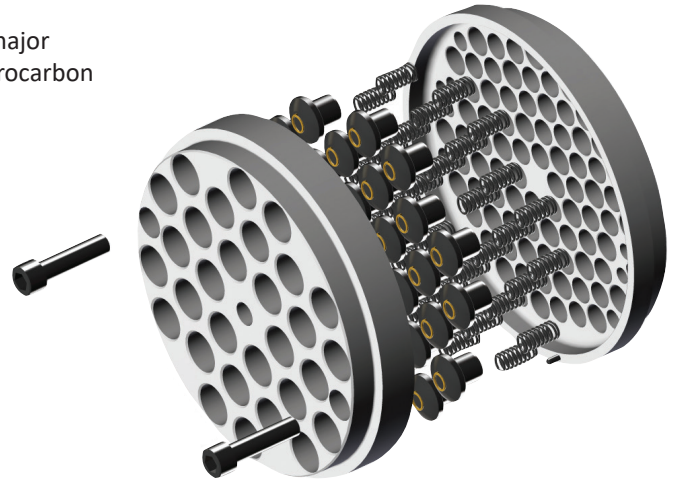
**Engineered for your application:** Material, lift, spring loads, guard and seat configuration and number of poppets are individually specified for each application.

**Lower cost:** The engineered design reduces costs up to 40%, compared to conventional plate style valves. Additionally, the lower valve horsepower loss can mean attractive operating cost savings.

**Valve seats and guards are fully machined:** This guarantees smooth, consistent and repeatable gas flow passages with minimum flow losses.

**Reliable sealing:** Precision-machined, self-centering seating surfaces on poppets and valve seats ensure excellent sealing

**Tools available:** Special valve installation tools and poppet seat reconditioning tools are available.



**LEGENDS DON'T STOP. WE MAKE SURE OF IT.™**

CALL +1-844-RECIP-43 (INTERNATIONAL: +1-713-354-1299)  
24/7 TECH SUPPORT: SUPPORT@COOPERSERVICES.COM  
COOPERSERVICES.COM

