

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.

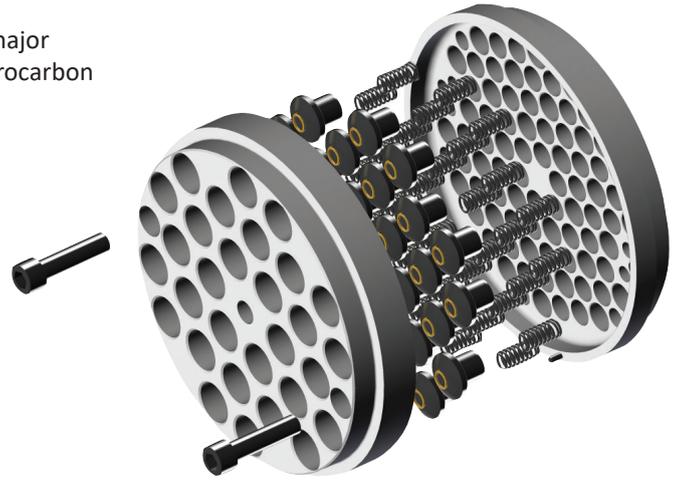
Engineered for your application: Material, lift, spring loads, guard and seat configuration and number of poppets are individually specified for each application.

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.™

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