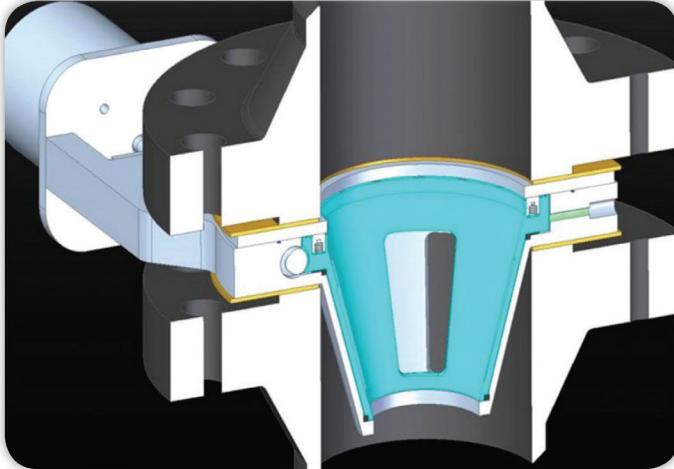


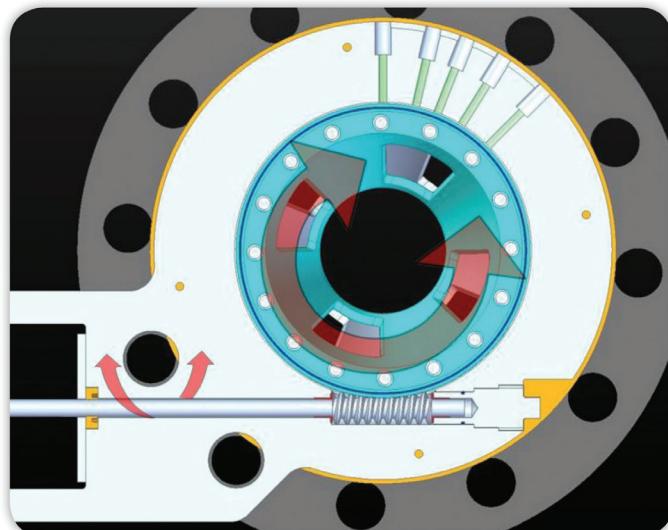
DYNAMIC VARIABLE ORIFICE



DVO showing fixed lower ported plate held between pipe flanges and rotatable upper ported plate.

The Dynamic Variable Orifice (DVO) features a mechanical structure, positioning mechanism, and seals designed to fit between standard flanges in both flat and conical configurations, and is rated up to 1500 psig MAWP.

- › Conical DVO adjustable over a 0.4 to 0.9 Beta ratio range for maximum optimization.
- › Conical DVO installable between properly spaced flanges (bottles or pipe spools removed temporarily for installation).



A worm gear rotates the upper ported plate to align its ports relative to ports in the fixed lower ported plate to increase or decrease the DVO Beta ratio.

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

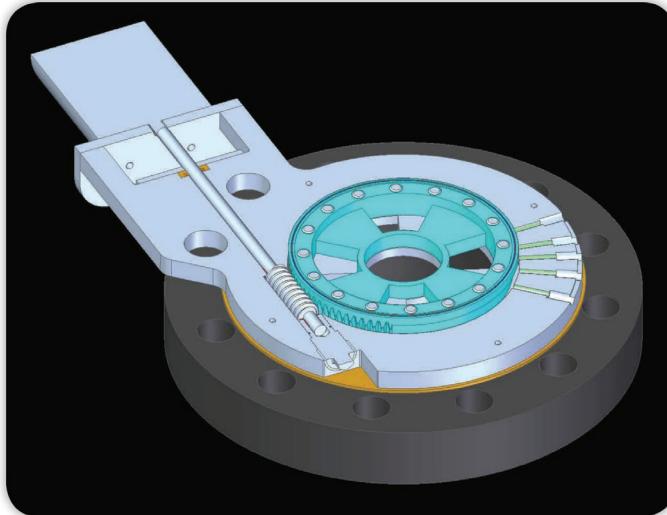
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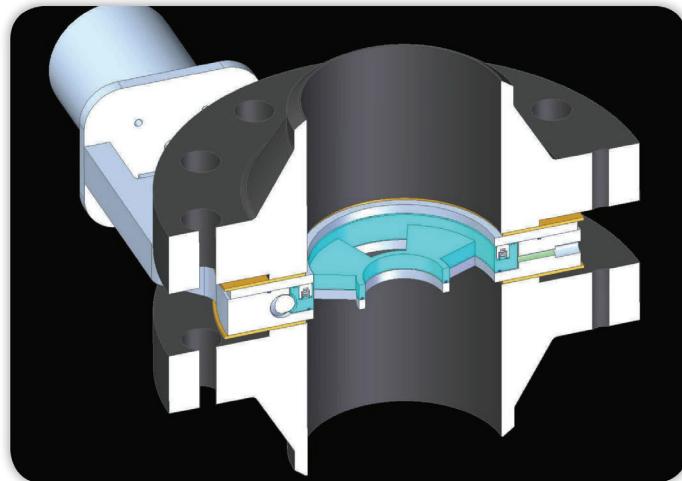
DYNAMIC VARIABLE ORIFICE



Flat DVO showing fixed lower ported plate held between pipe flanges and rotatable upper ported plate.

- › Installs at cylinder, bottles, or other flanges.
- › Manual or automatic Beta ratio adjustment without shutting down the compressor.
- › Flat DVO installable between properly spaced flanges without removing bottle or piping.
- › Flat DVO adjustable over a 0.4 to 0.7 Beta ratio range.

The DVO dynamically dampens pressure pulsations while minimizing pressure drop to maximize efficiency and revenue as operating conditions change.



A worm gear rotates the upper ported plate to align its ports relative to ports in the fixed lower plate to increase or decrease the DVO Beta ratio.

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