

ROTARY LOBE COMPRESSOR

DELTA HYBRID

AERZEN Delta Hybrid D 98 V, the innovative rotary lobe compressor stage with pre-inlet channel for pressure ranges from -950 to 1,500 mbar



AERZEN

WITH -950 MBAR VERY CLOSE TO THE VACUUM. FOR A DECISIVE PLUS OF EFFICIENCY.

Delta Hybrid is one of the most innovative and most successful series of compressor technology. The symbiosis of positive displacement blowers and screw compressors does not only provide increased energy efficiency by up to 20% but also exceeds the limits of the usual range of application. The new D 98 V achieves an overpressure of 1,500 mbar and a negative pressure of -950 mbar at full capacity. Consequently, you will reach the vacuum range with the innovative AERZEN compressor stage.

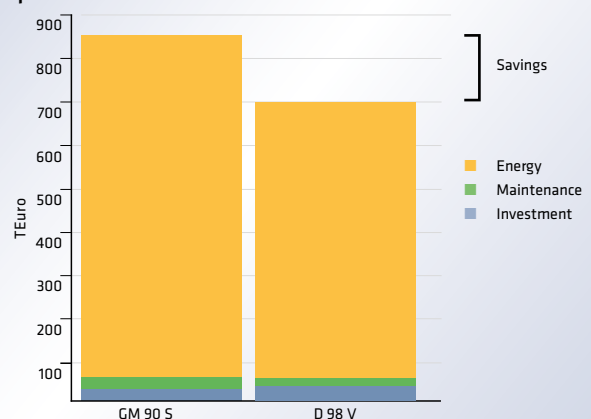


Minus 950 mbar - the new performance category for negative pressure.

The further development of D 98 V is based on a technical innovation. The newly designed and optimised pre-inlet channels provide a targeted cooling in the range of the compression process which is mostly temperature intense. The negative pressure of -700 mbar, which is already high at standard, can even be increased up to -950 mbar. This new performance class surpasses the possibilities of conventional positive displacement blowers and screw compressors by a multiple.

- Volume flow [m³/h]: up to 5,400
- Dimensions [mm]: 1,170 x 730 x 600 (LxWxH)
- Weight [kg]: approx. 800

LCC comparison GM 90 S and D 98 V for 10 years of continuous operation



Advantages from innovation.

Positive pressure



Overpressures up to
1,500 mbar



15 % increased
energy efficiency

Negative pressure



Negative pressures up to
-950 mbar



25 % increased
energy efficiency

Further advantages

Oil-free operation in
accordance with class 0
(ISO 8573)

Oil change after
16,000 oh

Bearing service life
Lh 10>60,000 oh

Compact design

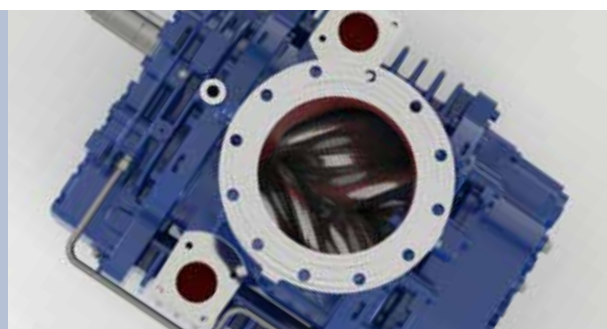
With power and flexibility.

High performance capability combined with enormous energy efficiency: D 98 V offers a variety of new applications. With a range from -950 to 1,500 mbar, the Hybrid option offers an extraordinary range of services. From pneumatic conveyance to process engineering. From drive via diesel engine on a truck to the electric motor of a stationary installation. Delta Hybrid

provides optimisation of loading and unloading times. The newly achieved energy efficiency reduces the energy consumption of systems and this has a positive effect on costs. In all cases, the new compressor reliably supplies conveying air for negative and positive pressure ranges without any interruption.



Used when loading a truck



D 98 V - View from top to the rotary lobe compressor stage



AERZEN. Compression as success principle.

AERZEN was founded in 1864 as Aerzener Maschinenfabrik. In 1868 we built Europe's first rotary lobe blower. The first Turbo compressors followed in 1911, the first screw compressor in 1943, and in 2010 the world's first rotary lobe compressor unit. Innovations "made by AERZEN" keep driving the development of compressor technology. Today, AERZEN is among the world's oldest and most significant manufacturers of rotary lobe blowers, rotary lobe compressors, rotary lobe meters, screw compressors, and Turbo blowers. And among the undisputed market leaders in many areas of applications.

More than 2,000 experienced employees in over 45 subsidiaries the world over are fully engaged in the advancement of the compressor technology. Their technological expertise, our international network of experts, and constant feedback from our clients form the basis for our success. Products and services from AERZEN are setting standards when it comes to reliability, lasting value, and efficiency. Go ahead: challenge us!

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