

Belvac Production Machinery

Technical Bulletin

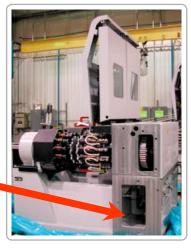
Information for Customers Operating & Maintaining Belvac Machines

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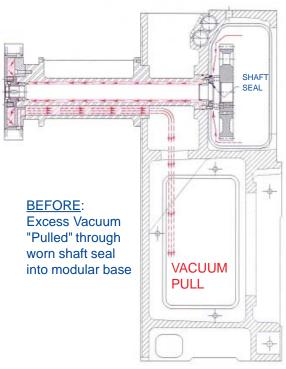
595 Modular Base: Oil Leakage

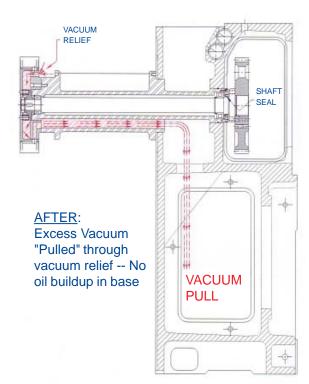
Worn shaft seal allows base casting to draw oil from gearcase:

Some customers have informed Belvac of an unusual amount of oil found in their rear base modular machine castings.



Belvac investigated the causes of this, and determined oil in the gearcase could be pulled by a sufficiently high source of vacuum in the base casting, past a worn-in shaft seal. The diagrams below illustrate the vacuum path from the gear case, before and after valve modification for vacuum relief.







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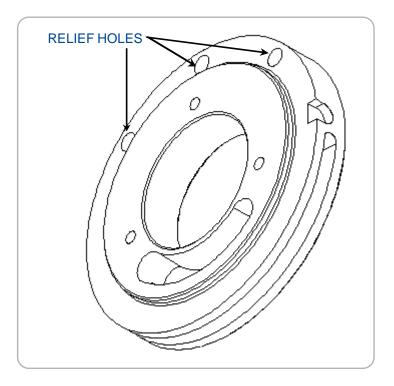
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Recommended Vacuum Relief action:

As indicated in the "After" illustration (previous page), excess vacuum is relieved through vacuum relief holes in the non-working portion of the vacuum valve. The relief to atmosphere of residual vacuum prevents a draw from the gearcase via the transfer housing and past the oil seal.

The rework to existing vacuum valves generally involves the addition of Qty (3) 0.62" (16 mm) diameter holes as indicated:



The following rework drawings are available to create the suggested vacuum relief feature:

<u>Drawing No.</u>	Necker Models
2754272	595K and 595SK
2754273	810K and Quick Change "QC" machinery

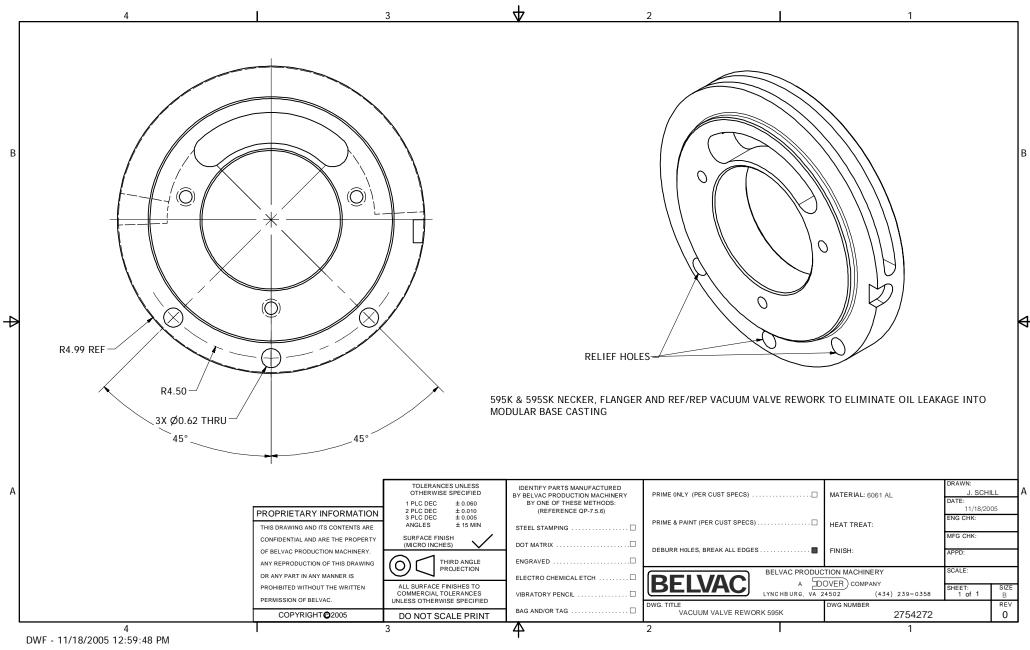
These rework drawings are attached to this bulletin.

NOTE: Special vacuum valves will require different vacuum relief features: contact Belvac Engineering accordingly.

Belvac will supply this feature as standard on all modular machinery effective January 1, 2006.

Contact Belvac Sales and Service for a quotation.





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