

# The golden rules of vacuum technology



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## Best practices for VACUU·PURE® – maximize performance and pump life time



### Ensure good vacuum performance and pumping speed

- Use tubing which is suitable for the intended vacuum range and provides sufficient stability.
- The vacuum tubing between your pump and your process should be as short as possible and have the largest possible diameter.
- Make sure that the tubing connection to the pump is secure and leak-tight by using appropriate connecting components for the intended vacuum range.
- VACUU·PURE typically reaches the specified ultimate vacuum after a warm-up time of 20 to 30 minutes.



### Minimize chemical emission for user health and environmental protection

- Use an emission condenser to maximize solvent recovery.



### Protect the pump mechanics by preventing particle aspiration

- If your application could cause particles to enter the pump, use an inlet separator.



### Keep the pump in good performance

- Use regeneration mode to quickly dry the internal wetted area of the pump.
- Use regeneration mode before you start a different process, and before pumping different media.



### Take good care of the pump

- Check the ultimate vacuum of the pump regularly.
- Check the air filters and fan grilles regularly to make sure that they are not blocked. If necessary, clean them as described in the operating instructions.
- At the end of your process, let the pump run for about 30 minutes in regeneration mode.



### Never block the pumps' outlet

- Prevent back pressure at the pump's outlet under all circumstances.
- If you connect an exhaust tube to the pump outlet, make sure that it allows free passage at all times and does not become blocked or kinked.