

Modification with Viton seal

Use of a sealing ring made of the fluorelastomer Viton® instead of conventional rubber makes it possible to ensure constant pressure in the piston chamber even at higher temperatures.

Application:

- At a higher ambient temperature than the maximum temperature in the catalog
- For use of modules in an environment with chemicals, in particular hydrocarbons, which would damage conventional seals

Additional benefits	Additional expense
- Increased resistance and longer life of gripper at higher temperatures and in applications with chemical substances	- Higher costs for seals - Additional assembly costs



Note:

- Temperature range can be increased through Viton, but only up to a certain level (max. 130° ambient temperature)
- Operation with sealed air is generally recommended for air cooling in applications with a higher ambient temperature
- Depending on the ambient temperature the gripper can additionally be equipped with special high-temperature grease



Figure 1: O-rings made of Viton