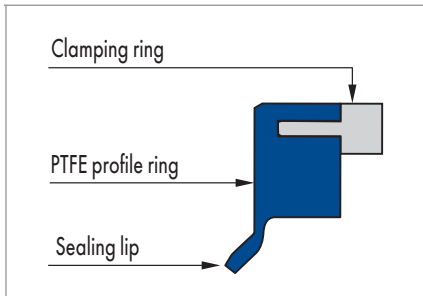


SIMMERRING RADIAMATIC® HTS II TYPE 9539 MADE OF PTFE



PRODUCT DESCRIPTION

Simmerring for open housings with forward-positioned sealing lip. Special design to meet stringent cleaning and sterility requirements.

PRODUCT ADVANTAGES

- Free of dead spots in terms of hygienic design
- For untempered shaft surfaces
- Wear resistant
- Good dry running properties
- Allows complete draining of containers
- FDA- and 3A-compliant, ADI-free, USP Class VI

APPLICATION

- Mixers
- Kneaders
- Food-processing machines
- Shaft sealing in the chemical and process industries

MATERIAL

Profile ring	Special PTFE Y002 *
Clamping ring	Stainless steel *

* Other materials on enquiry.

OPERATING CONDITIONS

Temperature	-80 ... +200 °C
Circumferential speed	18 m/s for 0,15 MPa 0,6 MPa

When used un-pressurised, significantly higher circumferential speeds are possible. Special versions are available for alternating operation in pressure/vacuum.

DESIGN NOTES

Please observe our general design notes in → Technical Manual.

Hardness of the contact area

Depending on material: 20–65 HRC, >0,5 mm depth of hardening.

Surface quality

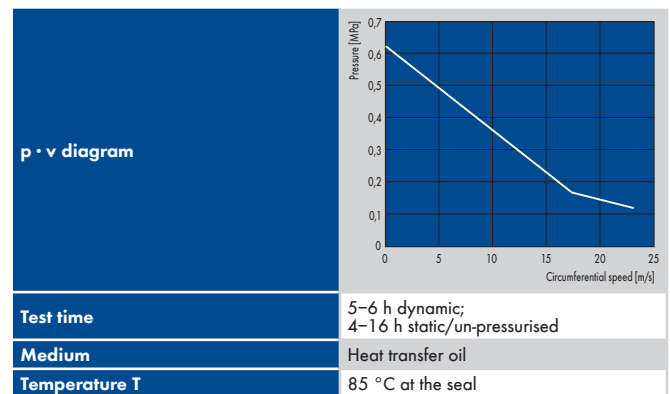
Peak-to-valley heights	R_a	R_t
Housing	<1,8 μm	<10,0 μm
Shaft, ground with no lead	0,1 ... 0,2 μm	0,5 ... 1,0 μm

Tolerances

Housing bore	Shaft	Radial shaft deflection, max.*
H8	h11	$\pm 0,05$ mm

* Depending on increase in rotational speed, the radial shaft deflection may need to be more tightly limited. Please enquire.

$p \cdot v$ diagram



FITTING & INSTALLATION

Careful fitting is a prerequisite for the correct function of the seal.
→ Technical Manual.