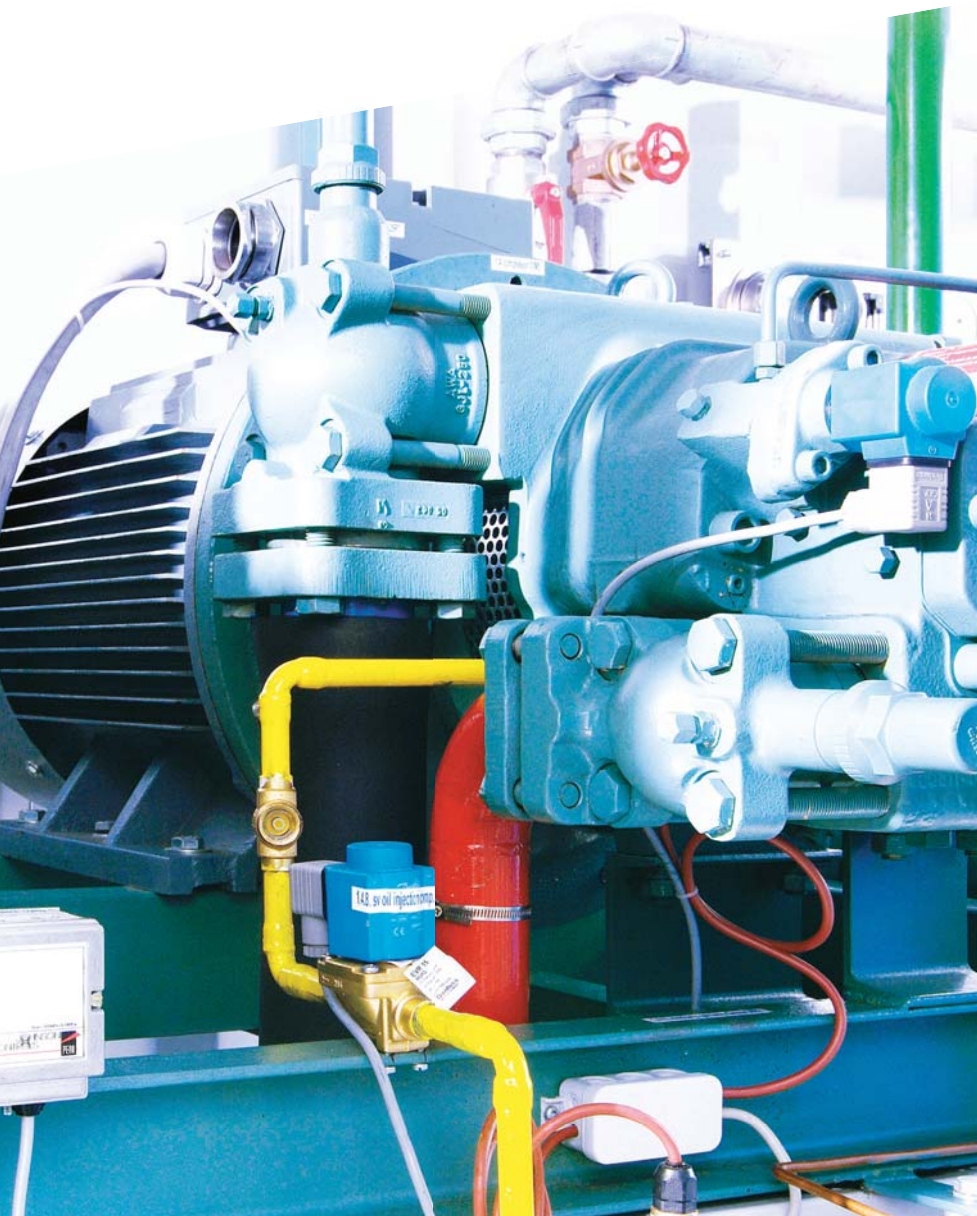




**VICTOR REINZ®**

Sealing Products



#### THE CHALLENGE

Open and close. A million times over. This is tough work for any valve plate gasket. Even in the face of high dynamic loads, high pressures, and narrow sealing face bridges, the gasket must remain completely sealing and resist wear at the same time.

#### THE SOLUTION: VICTOR REINZ AFM 34

The classic – AFM 34. Its very good chemical resistance paired with high mechanical strength and ability to withstand pressure permit this gasket to stay in service for an extremely long time.

Secondary benefit: Minimizing cylinder clearance becomes child's play.

What kind of challenge do you face?  
Give us a call!



+49 731-7046-777

Case Study No. 2a:  
Reliability Counts –  
AFM 34 Valve Plate Gaskets for  
Semi-Hermetic Refrigeration Compressors



		AFM 34
<b>Technical Data<sup>1)</sup></b> (nominal thickness 2.00 mm)		
<b>Tensile strength</b> (across grain)	ASTM F 152	> 18 N/mm <sup>2</sup>
<b>Residual stress</b> 16 h, 300 °C 16 h, 175 °C	DIN 52913	~ 25 N/mm <sup>2</sup> ~ 36 N/mm <sup>2</sup>
<b>Compressibility and Recovery</b> Compressibility Recovery	ASTM F 36 J	5-8 % > 55 %
<b>Sealability</b> DIN 3535-6 FA according to TA-Luft (VDI 2440/2200) Q=30 MPa, T=200 °C (2000 h!), ΔpHE=1 bar		~ 0.02 mg/(s·m) 8.6·10 <sup>-8</sup> mbar·l/(s·m)
<b>Swelling</b> - in oil IRM 903, 5 h, 150 °C Increase in thickness Increase in weight - in ASTM Fuel B, 5 h, RT Increase in thickness Increase in weight - in water/antifreeze (50:50), 5 h, 100 °C Increase in thickness Increase in weight	ASTM F 146	< 7 % < 7 % < 10 % < 10 % < 10 % < 10 %
<b>Continuous temperature, maximum<sup>2)</sup></b>		250 °C
<b>Operating pressure, maximum<sup>2)</sup></b>		150 bar

<b>Form of delivery</b>	
<b>Gaskets</b> according to drawing, dimensional specifications, or other agreements	
<b>Sheets</b> (standard format)	1500 x 1500 mm
<b>Nominal thickness</b>	0.30 to 5.00 mm
<b>Tolerances</b>	according to DIN 28091-1

<b>Approvals</b>	
DIN-DVGW, SVGW, ÖVGW	
FDA-compliant (21 CFR § 177.2600)	
KTW, WRAS	
VP401 (HTB), Firesafe, BAM	
Grade X	
TA-Luft	
Germanischer Lloyd	

**Note:**

Refer to data sheet No. 334 or visit our website at [www.reinz-industrial.com/datasheet](http://www.reinz-industrial.com/datasheet) for more detailed information.

<sup>1)</sup> The preceding technical data applies to the material in its delivery condition without additional treatment or handling.

<sup>2)</sup> Maximum continuous temperature and maximum pressure may not occur simultaneously.

**Power Technologies Group**

REINZ-Dichtungs-GmbH

Reinzstrasse 3-7

89233 Neu-Ulm

Germany

T. +49 731 7046-777

F. +49 731 7046-399

[www.reinz-industrial.com](http://www.reinz-industrial.com)



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