



Rotary Vane Pumps

SVM Range Magnetically Driven Pumps Vane Pumps

DESIGN SUMMARY

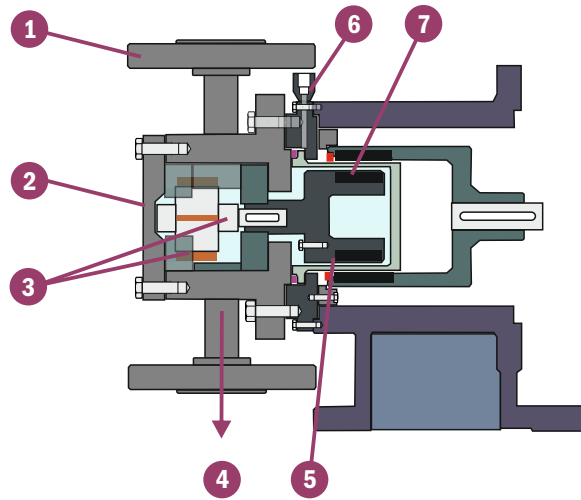
Standards	Internal, API 676
Configuration	Horizontal long or close coupled
Motors	IE2, IE3, IE4
Seal Type	Magnetic Drive

SPECIFICATIONS

Maximum Temp	300 °C
Minimum Temp	-150 °C
Max Flow	2 m ³ /hr
Max Diff Pressure	13 bar
Max Pressures	250 bar total system
ATEX	Yes

MATERIALS

	Standard	Options
Rear Casing	316L	HC276, Tit Gr.5
Front Casing	316L	HC276, Tit Gr.5
Shaft	316L	HC276, Tit Gr.5
Cartridge	Phenolic Carb	Metallised Carb
Internal Magnet	Samarium Colbalt	
External Magnet	Neodymium	
O Ring	Viton	EPDM, FEP
Sleeve Bearing	None	SiC



DESIGN FEATURES

SVM pumps are rotary vane pumps designed for low flow high head applications, have a pulse-less flow and directly replace Caster MPA pumps.

- 1 BSP, NPT, PN16/25 or ANSI 150/300 connections.
- 2 Thick wall housings machined from solid block.
- 3 SiC sleeve bearing and metallised available to increased chemical resistance.
- 4 The liquid path creates a pulse-less flow.
- 5 Internal magnet casing can be vacuum welded to withstand high temp and full vacuum systems.
- 6 Slot for PT 100 temperature probe on ATEX versions.
- 7 Powerful Samarium Colbalt magnets that allow SVM pumps to cope with high SGs and liquid temperatures up to 300 °C.



SVM - Performance Curves

1450 and 950 rpm

