



Series SVM Vane Pump Assembly Instructions

Rev. Date 07/23/25

Positive displacement magnetic drive sliding vane pumps

ASSEMBLY INSTRUCTIONS

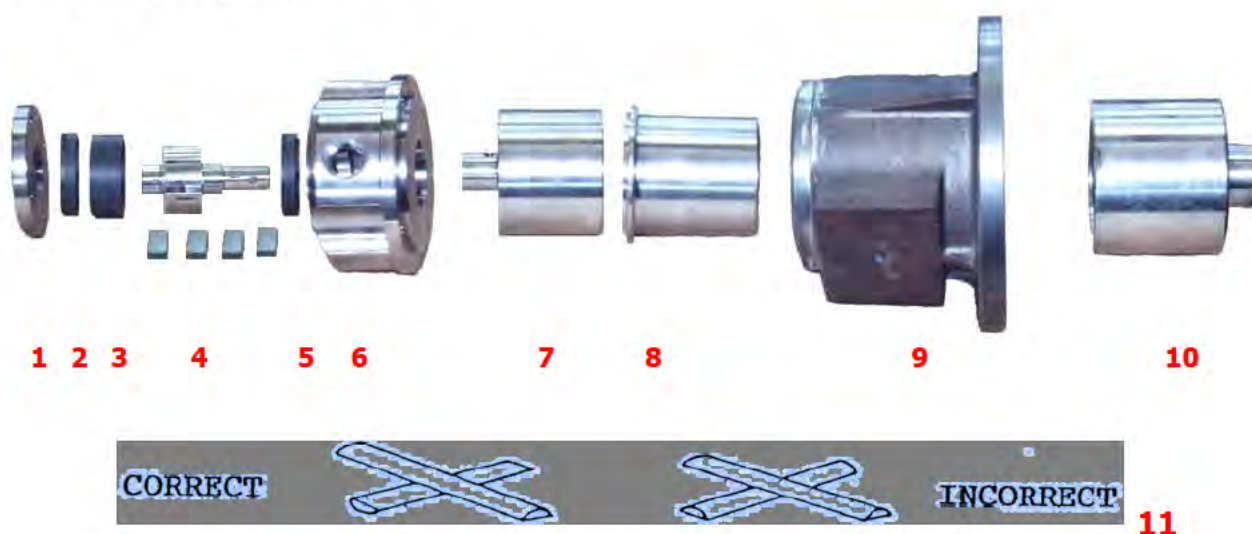
SVM SERIES AISI 316L

Series SVM magnetic drive pumps

Scope and applications field

Scope of this bulletin is to show the main and correct procedure for assembling magnetic drive rotary vane pumps Series SVM.

Pump exploded view



1) End Cover

2) Front Flange

3) Stator

4) Rotor Shaft & Vanes

5) Rear Flange

6) Pump Casing

7) Internal Magnet

8) Rear Casing

9) Adapter Bracket

10) External Magnet

11) Pushing Pins

Series SVM magnetic drive pumps

Assembly



- 1 Place Rear Casing (8) into Adapter (9)



Place Pump Casing on the Adapter to facilitate assembling

- 2 Insert alignment pin inside the pump casing on top



Series SVM magnetic drive pumps



- 3 The two flanges (2) and (5) are not identical, the front flange has O-ring groove.



Insert rear flange with slot over alignment pin seat.

With the help of a hand press, carefully press onto the casing

4



Heat pump casing up to 180-200°F using a small oven or hot air industrial hand blower to facilitate insert of graphite parts.



Insert stator (3) following guide pin

5

With the help of a hand press, carefully press onto the casing



Insert the two pushing pins into the hole on the shaft

Carefully place the rotor shaft (4) inside the stator

6





- 7 Slide the four vanes inside the rotor shaft slots.**



Insert front flange (2) on the shaft

8

**With the help of a hand press,
carefully press onto the casing**



9

**Place O-ring in the seat of the front
flange and secure cover with the 4
screws.**



- 10** “IN” indicates suction port
“OUT” indicates discharge port



Viewed from pump end



- 11** Place O-ring on seat of rear casing

Series SVM magnetic drive pumps



- 12** Insert internal magnet (7) on the rotor shaft (4) and insert spring pin.



- 13** Insert complete assembly pump inside the rear casing and secure to the bracket with 4 screws.



ASSEMBLED THREADED PUMP



ASSEMBLED FLANGED PUMP



ASSEMBLED SANITARY STYLE PUMP

513 Melville Street • Rensselaer, IN 47978 • Ph: 317-979-8020