sauermann®

DATA SHEET

TWO-STAGE VACUUM PUMPS

Si-RVP1, Si-RVP2, Si-RVP3

Sauermann Si-RVP1-220V, Si-RVP3-220V, Si-RVP1-110V and Si-RVP2-110V vacuum pumps are durable and time tested to stand up to the most grueling conditions and will provide years of reliable service. This vacuum pump provides the power and mobility necessary for a wide variety of applications.

Refined cartridge machining process creates an improved surface finish extending the longevity of the pump life

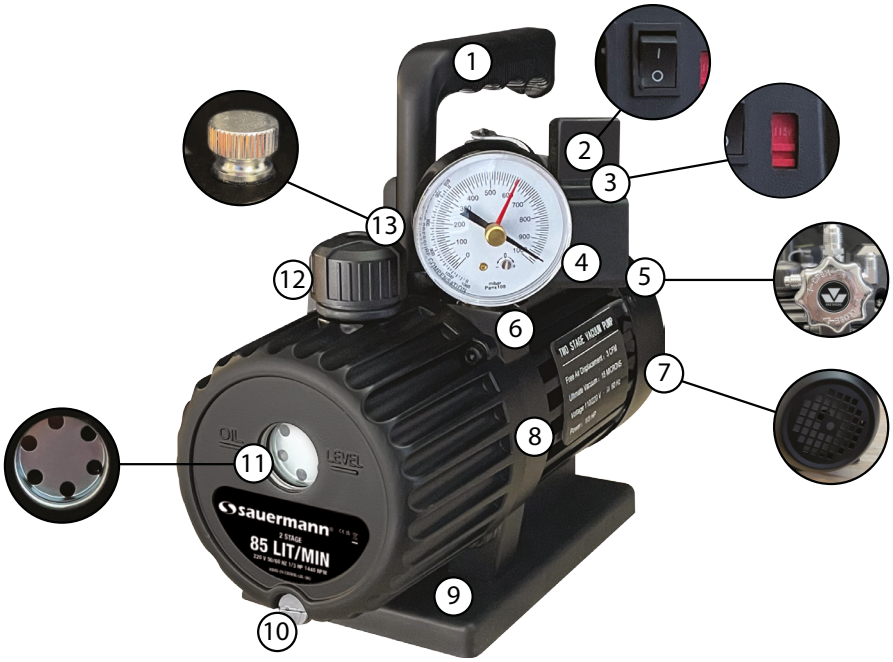
Expanded internal oil path creates less friction and ultimately less heat

Upgraded seals insure maximum vacuum

TECHNICAL SPECIFICATIONS

Designation (Sales reference)	Si-RVP1-220V (28154) solenoid valve	Si-RVP3-220V (28156) spark free	Si-RVP1-110V (28155) manual valve	Si-RVP2-110V (28157) manual valve
Number of stages	2	2	2	2
Free air displacement	85 l/min (60 Hz) 70 l/min (50 Hz)	170 l/min (60 Hz) 142 l/min (50 Hz)	3 CFM	6 CFM
Ultimate vacuum	15 microns	15 microns	15 microns	15 microns
Motor	1/3 HP	1/2 HP	1/3 HP	1/2 HP
Pump speed	1440 RPM	1440 RPM	1720 RPM	1720 RPM
Electrical specifications	110/220 V, 50/60 Hz	110/220 V, 50/60 Hz	110/220 V, 50/60 Hz	110/220 V, 50/60 Hz
Power	220 V Cable (Schuko)	220 V Cable (Schuko)	110 V Cable (US)	110 V Cable (US)
Refrigerants	A2L	A2L, A3	A2L	A2L
Weight	7.25 kg (16 lbs)	11.4 kg (25 lbs)	7.25 kg (16 lbs)	11.4 kg (25 lbs)
Dimensions	27 x 15 x 25 cm 10 5/8" x 5 29/32" x 9 27/32"	37.9 x 16.7 x 27.5 cm 14 59/64" x 6 37/64" x 10 53/64"	27 x 15 x 25 cm 10 5/8" x 5 29/32" x 9 27/32"	37.9 x 16.7 x 27.5 cm 14 59/64" x 6 37/64" x 10 53/64"

DESCRIPTION



1. **Easy grip handle**
2. **Thermally protected motor** with on/off rocker switch
3. **Si-RVP1: dual voltage capability** (110 V or 220 V)
4. **Si-RVP1-220V: analogue vacuum gauge**, immediate reading of the degree of vacuum reached and its stability over time
5. **Manifold valve** includes:
   Si-RVP3-220V, Si-RVP1-110V, Si-RVP2-110V: 3 inlet ports, 1/4" SAE, 3/8" SAE and 1/2" ACME
   Si-RVP1-220V: 1 inlet port, 1/4" SAE
6. **High volume fan** provides cool air to motor and pump
7. **Check valve** to prevent oil back-flow
8. **Cooling fins** to keep temperature cooler during extended motor operation
9. **Reinforced base** is large and light weight for stable positioning
10. **Oil drain valve** is easily accessible
11. **Large oil level sight glass** with max/min oil level indicator
12. **Vapor discharge/Oil fill port** removes easily
13. **Gas ballast valve** helps prevent oil contamination caused by high moisture

DS_APAC_EN – Si-RVP1_Si-RVP2_Si-RVP3 – 20/01/25 – Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice.

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