

GVPSV8 Rotary Vane Pump



RC.8M / GVPSV8 PUMP BODY

Built for AC/R and laboratory duty

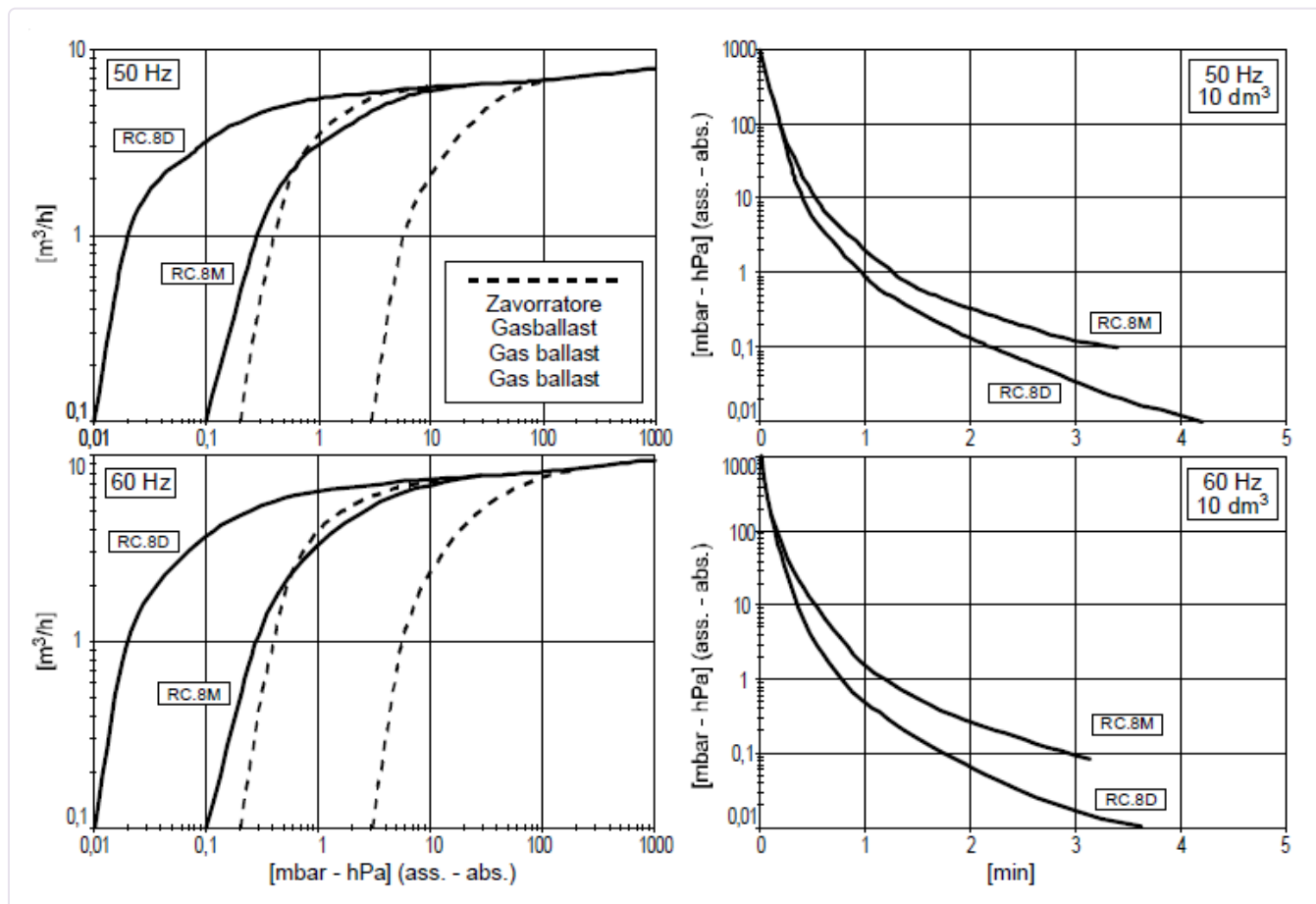
Designed for the refrigeration and air-conditioning sector as well as laboratory applications, this single-stage pump reaches an optimal final pressure of 0.1 mbar. A flexible coupling drive between motor and pump ensures reliable operation, long service life and easy maintenance.

Standard fitment includes a thermal protector, transport handle, gas ballast, start/stop switch, oil check valve and anti-vibration mounts. For vacuum-start applications, fit a three-way solenoid valve or specify the powered-motor variant. A version compatible with standard IEC-72 electric motors (M71/4 B14) is also available.

Girovac GVPSV8

CHARACTERISTIC	GVPSV8
Number of stages	1
Nominal pumping speed	8.5 m ³ /h
Pneurop pumping speed	8.0 m ³ /h
Total final pressure (abs)	0.1 mbar
Partial final pressure, McLeod (abs)	0.05 mbar
Final pressure with gas ballast (abs)	3.0 mbar
Max. inlet pressure for water vapour	40 mbar
Max. water vapour pumping rate	0.18 kg/h
Motor power	0.37 kW
Nominal speed	1400 rpm
Noise level	52 dB(A)
Operating temperature	50 – 55 °C
Oil type	GVF70 (Girovac)
Oil capacity	0.40 L
Weight	12.5 kg
Pump intake / outlet	1/4"G / 1/2"G

Pumping speed & pump-down curves



Left: pumping speed vs. inlet pressure, with and without gas ballast. Right: pump-down time for a $10 dm^3$ vessel. Curves reference inlet pressure at $20^\circ C$, tolerance $\pm 10\%$. RC.8M curve applies directly to the GVPSV8. Source: DVP Vacuum Technology, C.9601039RC8M-9602021RC8D, ed. 22/01/2025.

Main accessories & part codes

ACCESSORY	RC.8M / GVPSV8 CODE	RC.8D CODE
Rest kit	9016003	9016003
Inlet stepped hose fitting ($\varnothing 12$)	2103006	2103006
Hose fitting 7/16" (1/4" SAE)	2203001	2203001
Outlet stepped hose fitting ($\varnothing 12$)	2103008	2103008
Inlet filter	9001004	9001004
Exhaust mist eliminator (<i>Adaptor required</i>)	9001054	9001054

Pricing, availability & spares for the GVPSV8

Girovac stock the GVPSV8 and accessories, plus the full range of DVP pumping solutions.

+44 01692 660 117

enquiries@girovac.com

girovac.com