

Rotary Vane Vacuum Pump



The Air of Trust

Anest Iwata Motherson

Anest Iwata Motherson (AIM) is a joint venture between Anest Iwata Corporation, Japan and Motherson Group, India. Anest Iwata Corporation is one of the global leaders in Air Compressors and Vacuum Pumps with more than 9 decades of inspiring history of technological excellence. Motherson Group was established in India in 1975. Today, it is one of the largest supplier to automotive OEMs in the world with a vision of being a globally preferred solutions provider.

Anest Iwata Motherson is committed to delight its customers by ensuring supply of the best quality products, supported with effective after sales services at optimum value. The company has two state-of-the-art manufacturing facilities and a wide network of sales and service centres spread across India.

Applications



HEALTHCARE

- Surgery
- Obstetrics
- Anesthesia, resuscitation,



FOOD AND BEVERAGE INDUSTRY

- Cutter, filling or tumbler machine
- Freeze drying
- Lyophilisation
- Poultry processing
- Vacuum packaging or mixing



GENERAL PURPOSE

- Central vacuum supply
- Leak detection
- Packaging
- Picking and handling
- Pneumatic conveying



CHEMICAL AND PHARMACEUTICAL INDUSTRIES

- Degassing
- Distillation
- Drying and Freeze drying
- Packaging



PLASTIC AND COMPOSITE INDUSTRY

- Degassing
- Pneumatic conveying
- Resin transfer
- Vacuum bagging



WOOD INDUSTRY

- Coating, bonding
- Holding and Lifting
- Impregnation



SOLAR AND ENERGY INDUSTRY

- Coating
- Handling
- Lamination
- Oil Degassing
- Power engineering



ENVIRONMENTAL ENGINEERING

- Automatize fluid pumping
- Filtering
- Sewage pumping
- Solvent recovery
- Vacuum priming



PACKAGING

- Evacuation
- Filling and closing machines
- Labelling, Vacuum packaging
- Pneumatic conveying



GLASS INDUSTRY

- Coating
- Formin

Active and Newest Technology

Single stage vacuum pump

Continuous operation from atmospheric pressure to end vacuum: $5 \cdot 10^{-1}$ mbar

Integrated oil mist filter on the exhaust

High pumping speed even at a lower pressure



**ROBUST
NO WEAR**



RELIABLE



**COST
EFFECTIVE**



**ENERGY
EFFICIENT**

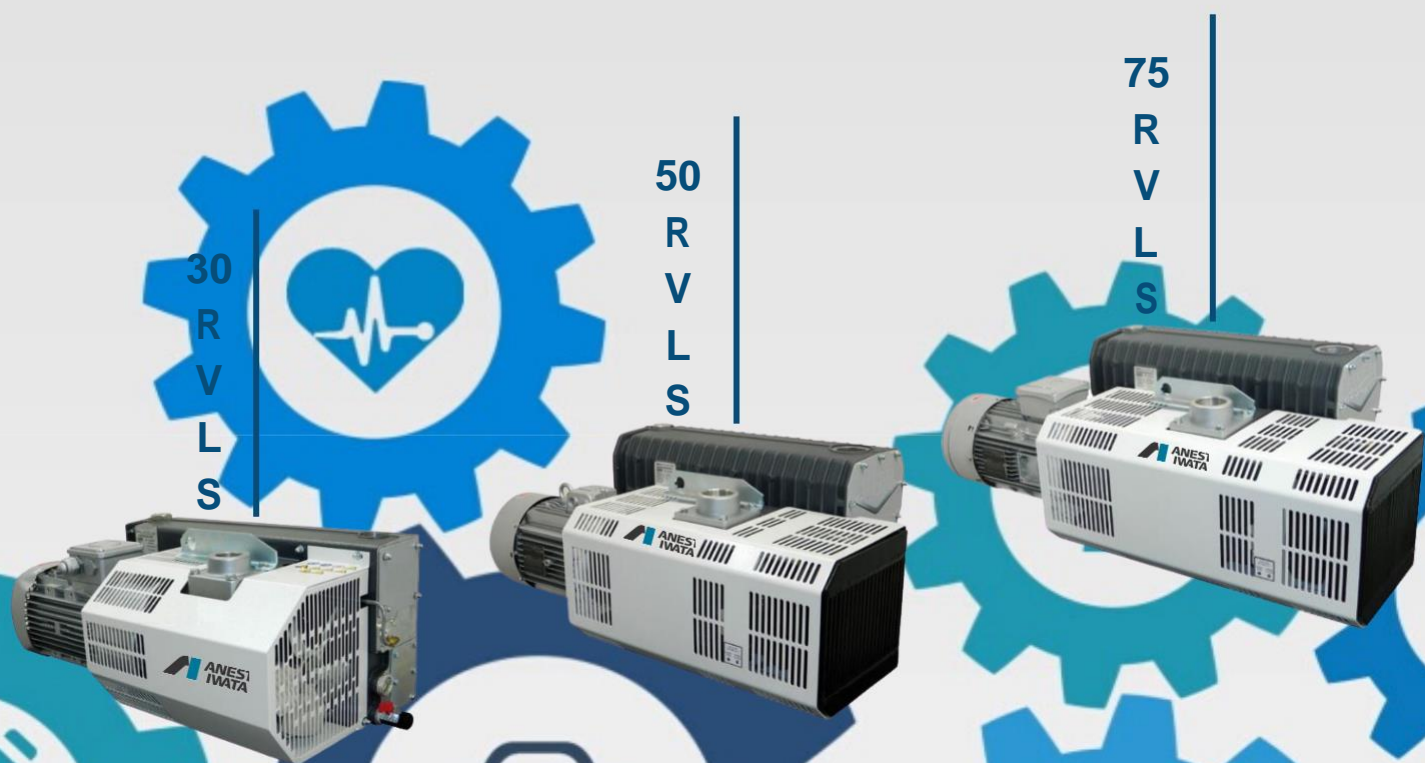


Anest Iwata Motherson vacuum equipments lead the world industries with its state of the art technology. Lubricated Rotary Vane Vacuum Pumps are specially designed for use in healthcare and industrial applications. The performance of a vacuum pump is determined by its ultimate pressure and pumping speed. Anest Iwata Motherson provides a wide variety of Rotary Vane Vacuum Pumps, with distinct customer benefits like energy efficiency, low maintenance cost and environment friendly design . Our product is silent and extremely robust.

All in One Medical Vacuum Unit



Technical Specifications

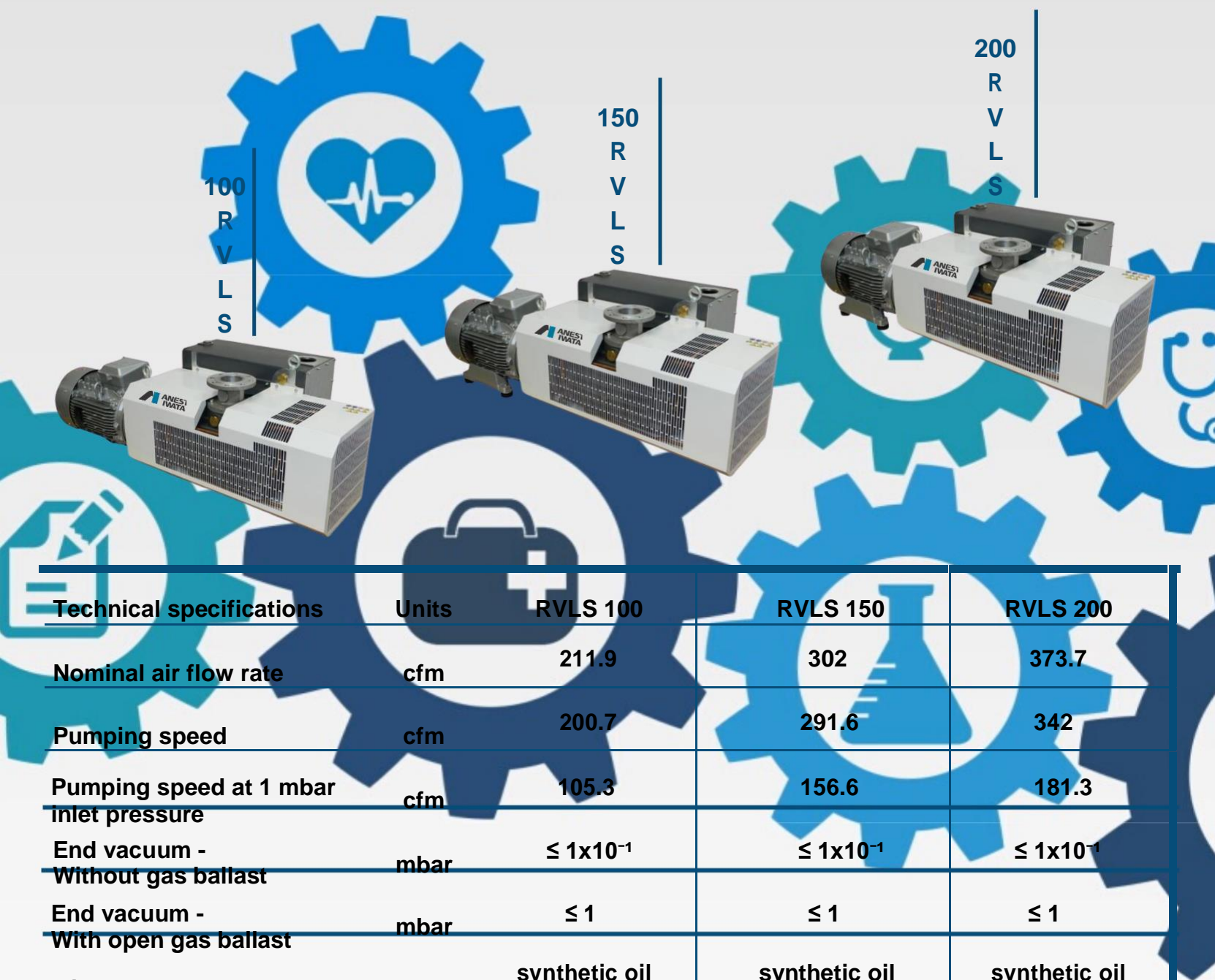


Technical specifications	Units	RVLS 30	RVLS 50	RVLS 75
Nominal air flow rate	cfm	58.8	117.7	176.5
Pumping speed	cfm	56.5	111.8	165
Pumping speed at 1 mbar inlet pressure	cfm	30.6	78.9	101
End vacuum - Without gas ballast	mbar	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$
End vacuum - With open gas ballast	mbar	≤ 2	≤ 1	≤ 2
Oil type		Synthetic oil	Synthetic oil	Synthetic oil
Oil capacity	Liters	3	5	5
Noise level	dB(A)	67	71	72
Motor power	kw	2.2	4	5.5
Rotation speed	rpm	1500	1500	1500

Scope of supply: - Pump with non flp motor (Pump has inbuilt NRV, Exhaust filter and first charge of oil). All other accessories e.g. Bacteria filter, dust filter, Liquid trap are extra

Disclaimer: - All pictures shown are for illustration purpose only. Actual product may vary due to continuous product enhancement.

Technical Specifications



Technical specifications	Units	RVLS 100	RVLS 150	RVLS 200
Nominal air flow rate	cfm	211.9	302	373.7
Pumping speed	cfm	200.7	291.6	342
Pumping speed at 1 mbar inlet pressure	cfm	105.3	156.6	181.3
End vacuum - Without gas ballast	mbar	$\leq 1 \times 10^{-1}$	$\leq 1 \times 10^{-1}$	$\leq 1 \times 10^{-1}$
End vacuum - With open gas ballast	mbar	≤ 1	≤ 1	≤ 1
Oil type		synthetic oil	synthetic oil	synthetic oil
Oil capacity	Liters	14	14	14
Noise level	dB(A)	72	73	74
Motor power	kw	7.5	11	13
Rotation speed	rpm	1000	1000	1000

Scope of supply: - Pump with non flp motor (Pump has inbuilt NRV, Exhaust filter and first charge of oil). All other accessories e.g. Bacteria filter, dust filter, Liquid trap are extra

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We are closer than you think!

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State - of - Art
Manufacturing
Plants in India

More than
75 dealers
across India

Over
50,000
smiling
customers
across India

Sales and
Services
spread over
40 cities
across India



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