

## Rotary Vane Vacuum Pumps R-4SN



Oil-sealed Rotary Vane vacuum pumps are widely used traditional vacuum pumps in research and production, can be used independently, as well as working as backing pumps for molecular pumps or diffusion pumps. Wiggins' direct driven rotary vane pumps are available as one and two-stage versions, cover the range from desktop lab pumps to production line pumps, with low noise and stable working temperature for common voltages and frequencies, long lifespan, and outstanding reliability for chemical applications. Various application areas may include vacuum distillation, vacuum filtration, vacuum inspection, vacuum freeze drying, vacuum coating, vacuum leak detection, vacuum packaging, vacuum adsorption, etc.

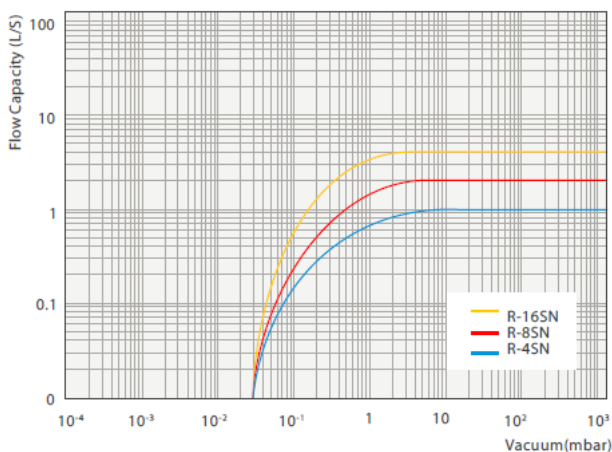
## Features

- > Compact structure
- > Very good sealing
- > No returning throughput
- > Oil-spout prevention
- > Low noise
- > Oil-observation window
- > Handle for easy transportation
- > High flow rate
- > Low and stable ultimate vacuum
- > High evaporation resistance
- > Comparatively high chemical resistance
- > High longevity
- > Low maintenance rate
- > Low oil mist
- > Gas ballast valve
- > Overcurrent protection
- > Fulfills IP54 standards

## Application Areas

- > Vacuum distillation
- > Vacuum filtration
- > Vacuum testing
- > Vacuum freeze drying
- > Vacuum plating
- > Leak detection
- > Vacuum packaging
- > Vacuum sorption
- > As a backing pump for turbo-molecular pumps or diffusion pumps

## Pumping rate curve



Note: Above data is based on the 220V/50Hz instrument

## Specifications

Model series	R-4SN
Number of Stages	Single
Flow Rate (L/min)	50
Ultimate Vacuum (mbar)	$2.5 \times 10^{-2}$
Power (W)	180
Motor rotation (RPM)	1400
Noise Level (dB)	< 54
Oil Capacity (L)	0.25
IP Code	IP40
Weight (kg)	9
Inlet and Outlet Specifications	SAE 3/8" UNF 7/16"-20
Order No.	900101-22

**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany

Tel.: 0049 7248 4529088

**WIGGENS China**Room 303, Hall C, Office Building M8, No.1 Jiuxianqiao East Road,  
Chaoyang District, Beijing 100015, China

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

Email: [info@wiggens.com](mailto:info@wiggens.com) [service@wiggens.com](mailto:service@wiggens.com)Website: [www.wiggens.com](http://www.wiggens.com)