

JEVAsys[®] RGA-5H

Lab pumping station for residual gas analysis

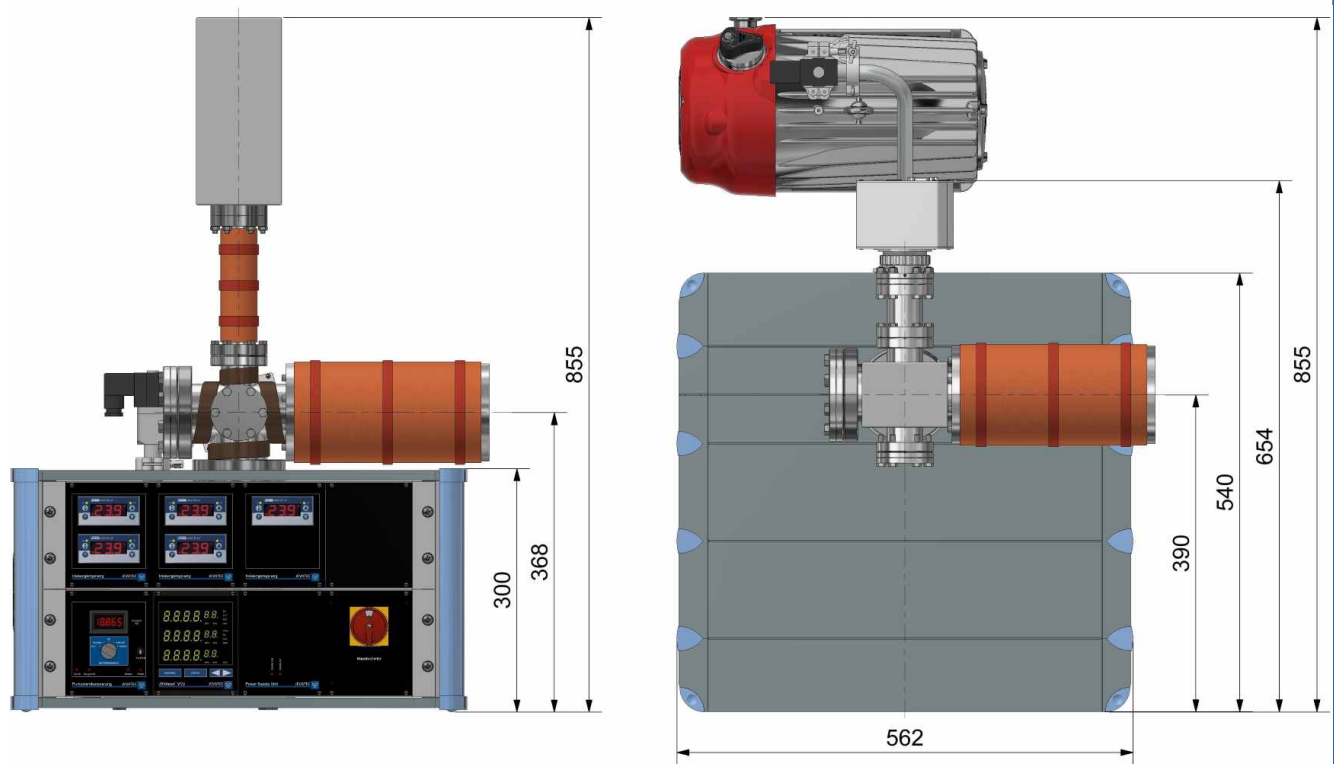
- **Example system** for a compact UHV pumping station for residual gas analysis
- Vacuum chamber DN63CF with integrated and heatable sample holder
- Vacuum components made of stainless steel, metal-sealed
- Pump system consisting of compact and oil-free scroll pump HiScroll 6 and turbomolecular pump HiPace[®] 80
- Pumping station control for various operating modes
- Vacuum controller JEVAmet[®] VCU for pressure display and valve control
- Active wide-range manometer ATMION[®] standard for pressure measuring
- SRS RGA200 as residual gas analyser
- Separate heating control for components, RGA and sample holder
- Compact 19" rack for pumping station, fore-vacuum pump can be set up freely



Technical Data

Recipient:	Stainless steel double cross DN63/40CF with various connection options, metal-sealed		
Vacuum generation:	Fore-vacuum:	Scroll pump HiScroll 6	
	High vacuum:	Turbomolecular pump HiPace® 80	
Vacuum measurement:	Recipient:	Active wide-range manometer ATMION® standard <i>alternatively:</i> Passive Bayard-Alpert ionisation sensor JEVAmet® IOS und Active Pirani manometer JEVAmet® PRM-16C	
	Fore-vacuum scroll pump:	Active Pirani manometer JEVAmet® PRM-16K	
	Pressure display:	Vacuum controller JEVAmet® VCU-AM <i>alternatively:</i> Vacuum controller JEVAmet® VCU-BM	
Ultimate vacuum:	< 2·10 ⁻⁹ mbar (with RGA switched off)		
Control:	Pumping unit control with manual operation Separate heating control using JUMO digital thermostats for each heating circuit		
Equipment:	Electric heating for various segments Integrated and heatable sample holder in the chamber SRS RGA200 for residual gas analysis		
Frame:	Compact table-top housing HeiCase 19", 6HU		
Media:	Electrical connection:	230 VAC, 50 Hz	
	Nitrogen for flooding:	0.1 – 0.5 bar above atmospheric pressure (approx. 1 bar absolute)	
Weight:	Table-top housing with pumping unit:	approx. 40 kg	
	Scroll pump:	approx. 19 kg	

Dimensions



(Dimensions in mm)

More information under:

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