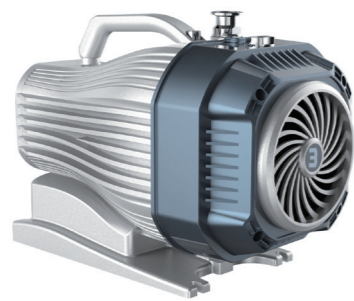


# SCROLL VACUUM PUMP



GSP3/GSP5



GVD8

Scroll pump is a new kind of oil-free mechanical pump with features of simple construction, good sealing, high vacuum ect. As a high-technology product, it has highly technical requirement in design and manufacture. With

benefits of low consumption, long working life, high reliability, and low noise, It has incomparable advantages in the application of clean process and has been popularly used in the market. GVD, GSP series scroll dry pumps are

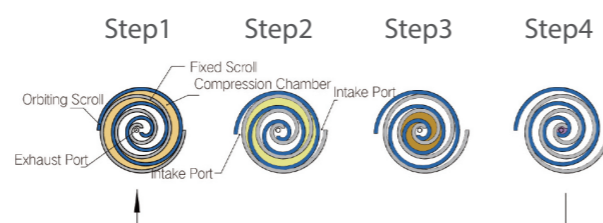
scroll dry pumps with excellent performance and obvious price competitiveness, which are introduced by Baosi Vacuum for the characteristics of downstream applications at home and abroad.

## APPLICATIONS

Clean vacuum, Backing turbomolecular pumps, Library, Analysis equipment, Leak detection, Beam line, Scientific researching, Medical equipment, Distillation/extraction/filtration, Laser, Semiconductor (LED/LCD), Photovoltaic, Coating (PVD/CVD), Battery, Glove box, Beam welding/laser welding, Space simulation.

## WORKING PRINCIPLE

- Step1. Gas enters scroll set
- Step2. Gas is displaced and...
- Step3. ...compressed toward center hub
- Step4. Gas exhausted at center hub



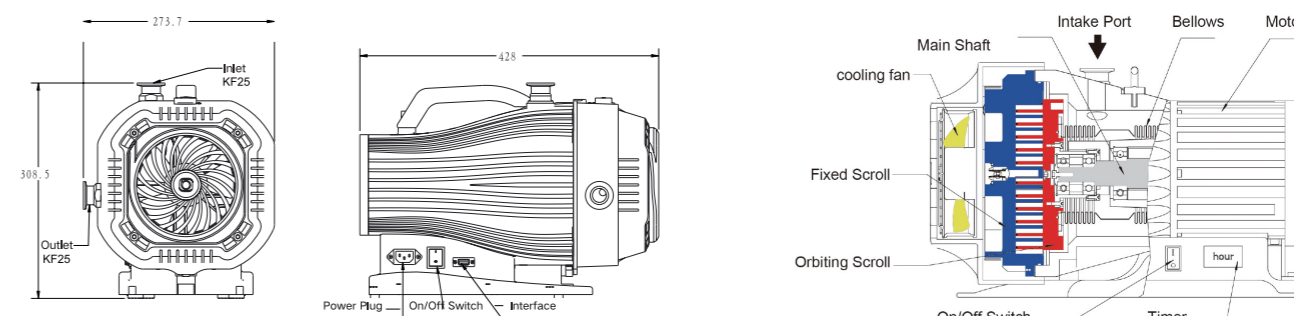
## TECHNICAL PARAMENT

MODEL		GSP3	GSP5
Nominal Rotation Speed	rpm	1800	1800
Displacement	m <sup>3</sup> h <sup>-1</sup>	12	18
Ultimate Vacuum	mbar	0.008	0.05
Motor Power	W	400	400
Voltage Input	V	1- phase 100-240	1- phase 100-240
Dimensions	mm	430x255x290 (LxWxH)	430x255x290 (LxWxH)
Noise Level	dB(A)	54	54
Inlet Flange	-	NW 25	NW 25
Exhaust Flange	-	NW 25	NW 25
Max Water Vapour Pumping Rate	gh <sup>-1</sup>	100	210
Leak Tightness	mbar-l/s	< 1x10 <sup>-6</sup>	< 1x10 <sup>-6</sup>
Weight	kg	28	29
Cooling System	-	Air-cooled	Air-cooled
Operating Temperature	°C	10 to 40	10 to 40

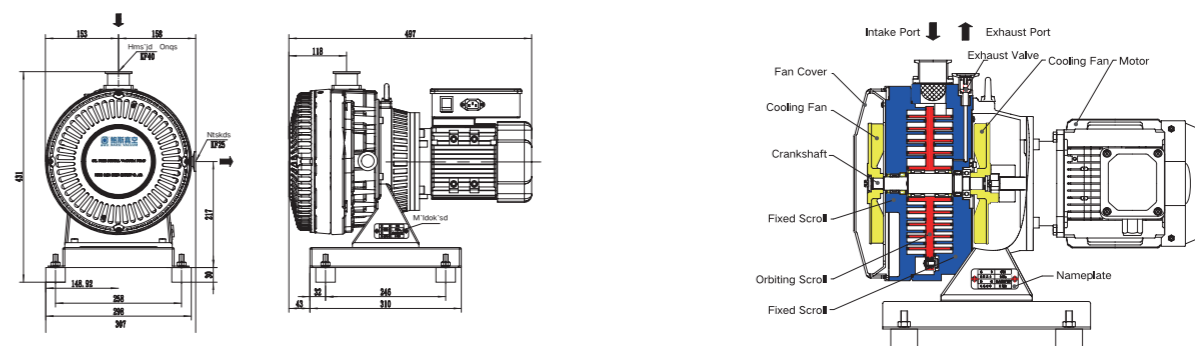
## TECHNICAL PARAMENT

MODEL		GVD8
Nominal Rotation Speed	rpm	1750
Displacement	m <sup>3</sup> h <sup>-1</sup>	30
Ultimate Vacuum	mbar	0.008
Motor Power	W	750
Voltage Input	V	1- phase 100-240 / 3- phase 200-460
Dimensions	mm	491x305x401 (L x W x H)
Noise Level	dB(A)	63
Inlet Flange	-	KF40
Exhaust Flange	-	KF25
Max Water Vapour Pumping Rate	gh <sup>-1</sup>	60
Leak Tightness	mbar-l/s	< 1x10 <sup>-4</sup>
Weight	kg	44
Cooling System	-	Air-cooled
Operating Temperature	°C	5 to 40

## GSP3/5 INSTALLATION DIAGRAM



## GVD8 INSTALLATION DIAGRAM



## PUMPING RATE CURVE

