

Dry Scroll Vacuum Pump



GWSP series oil free scroll vacuum pumps are based on two spiral cylinders, one offset and orbiting against the other with an offset of 180°, thus several crescent-shaped pockets of differing sizes are created. By means of an eccentric drive, the orbiting scroll is made to orbit about the fixed scroll, reducing the volume of the pockets and compressing gases from the outside towards the inside thereby pumping the gases from vacuum chamber.

Safety Precautions:

GWSP dry scroll vacuum pump is suitable for clean processes only.

Do not pump toxic, explosive, flammable or corrosive substances or substances which contain chemicals, solvents or particles.

Model			GWSP75	GWSP150	GWSP300	GWSP600	GWSP1000	
Displacement	50Hz	m ³ /h	3.6	7.2	15.5	31.3	59.8	
		cfm	2.2	4.3	9.3	18.7	35.8	
	60Hz	m ³ /h	4.3	8.6	18.3	37.4	71.6	
		cfm	2.5	5.1	10.9	22.3	42.8	
Ultimate Pressure		mbar	≤8.0×10 ⁻²	≤6.0×10 ⁻²	≤2.6×10 ⁻²	≤1.0×10 ⁻²	≤1.0×10 ⁻²	
		Torr	≤6.0×10 ⁻²	≤4.0×10 ⁻²	≤1.9×10 ⁻²	≤7.5×10 ⁻³	≤7.5×10 ⁻³	
		micron	≤60	≤40	≤19	≤7.5	≤7.5	
		psi	≤1.2×10 ⁻³	≤9.0×10 ⁻⁴	≤3.8×10 ⁻⁴	≤1.4×10 ⁻⁴	≤1.4×10 ⁻⁴	
Noise Level		dB(A)	≤54	≤57	≤60	≤61	≤65	
Leakage		mbar·l/s	1×10 ⁻⁷					
Max. Inlet/Exhaust Pressure		MPa	0.1 / 0.13					
Ambient Operation Temp.		°F	41~104					
Cooling Type			Air cooled					
Inlet/Exhaust Flange			KF25/KF16	KF25/KF16	KF25/KF16	KF40/KF16	KF40/KF16×2	
Motor 1 phase	Power	kW	0.25	0.25	0.55	0.75	--	
	Voltage	VAC	110~115V, 60Hz or 200~230V, 50Hz					--
	Speed	rpm	1725(60Hz); 1425(50Hz)					--
Motor 3 phase	Power	kW	--	0.25	0.55	0.75	1.5	
	Voltage	VAC	--	200~230V or 460V, 60Hz; 200~230V or 380~415V, 50Hz				
	Speed	rpm	--	1725(60Hz); 1425(50Hz)				
Dimensions	1 phase	mm	405×225×260	465×265×305	495×305×355	500×320×360	--	
	3 phase	mm	--	465×265×305	495×295×340	500×320×360	630×380×410	
Package Size		mm	570×390×470	570×390×470	690×540×570	690×540×570	750×530×550	
Net Weight	1 phase	kg	15	18	27	31	--	
	3 phase	kg	--	20	31	38	52	
Gross Weight	1 phase	kg	20.5	23	35.5	39.5	--	
	3 phase	kg	--	26	39.5	45.5	67.5	
Others			With air flush					



Laboratory Equipment Pty Ltd email: sales@labec.com.au
Ph: 02 9560 2811 • Fax: 02 9560 6131 • www.labec.com.au