

EDS Series Dry Scroll Vacuum Pump



Introduction:

EVP is committed to the production and sales of different kinds of vacuum pumps, vacuum valves and vacuum fittings, provides first-class vacuum equipment solutions for global customers. The inspiration for the creation of EVP's brand comes from the mission "deliver **E**astern **V**acuum **P**roducts to all over the world", emphasizing the confidence and vitality from the East.

The name EDS comes from **EVP Dry Scroll** vacuum pump. It embodies the wisdom of the East, its design and color matching with oriental aesthetics, which continues to win the reputation of "Created in China".

EDS series dry scroll vacuum pump is totally oil-free and water-free, which is suitable for very clean application. It can be connected to computers to read its working conditions, and its flow rate can be adjusted by changing input frequency (EDS-3 does not have this advantage).

Features:

1. A small gap, low leakage, high compression ratio, stable pumping speed over a wide pressure range.
2. The working cavity formed by the fixed and orbiting scroll is symmetrical, and the pump has a simple structure and few parts, low vibration noise and high reliability.
3. The working pressure range is wide. The driving torque changes little, and the power variations is small because the change of the compression volume is continuous.
4. Can be used to remove condensable gases without polluting the chamber.



Shanghai EVP Vacuum Technology Co., Ltd.

Sincere, Enterprising, Efficient, Win-win

Main application:

EDS series dry scroll vacuum pump has widely used in medical equipment, electronics, semiconductors, medicine, vacuum packing, solar energy, vacuum drying filtration, scientific research, laboratory equipment, vacuum fixation, vacuum degassing, vacuum forming, vacuum leak detection, electron accelerator, vacuum coating, recycling equipment, etc.

Technical data:

Model	Unit	EDS-3	EDS-6	EDS-10	EDS-18	EDS-36	EDS-45
Flow rate	L/s	0.8	2	3	5	10	12.5
	m3/h	3	6	10	18	36	45
Ultimate vacuum	mbar	0.15	0.03	0.008	0.008	0.01	0.05
	Pa	15	3	0.8	0.8	1	5
Leakage rate	mbar·l/s	< 1× 10 ⁻⁶					
	Pa·m3/s	< 1× 10 ⁻⁷					
Voltage	V	Single Phase 200-240	Single Phase 100-120/200-240				
Motor power	W	180	400	400	400	1100	1700
Rotary speed	rpm	3200	1800				
Max. inlet pressure	--	ATM					
Dim(L*W*H)	mm	317x199x202	430×274×305	430×274×305	430×274×313	574×335×368	574×335×368
Noise	dB (A)	55	54	54	54	56	56
Inlet DIA	--	KF 16	KF 25	KF 25	KF 25	KF40	KF40
Outlet DIA	--	KF 16	KF25				
Water vapor handling capacity	g/h	50	100	136	268	200	200
Weight	kg	10.5	29	28	29	56	56
Cooling method	--	Air Cooling					
Operating ambient temperature	℃	5-40	5-40	5-40	5-40	10-40	10-40



Looking for vacuum products, look for EVP

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