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Catalog 2SK series

water ring vacuum pumps and compressors

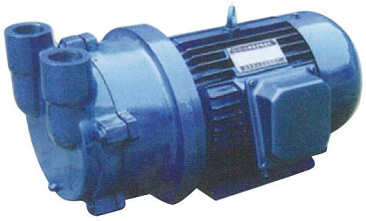
SK series water ring vacuum pumps and compressors

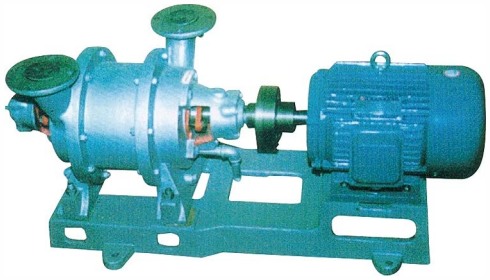
Usage and characteristics

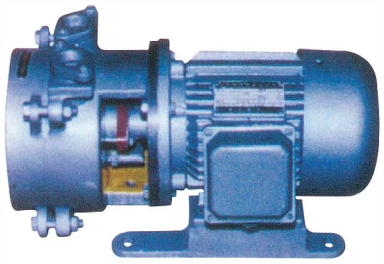
SK series water ring vacuum pumps and compressors are used to pumping or compress air or other gas without corrosivity and rigid granules, and insoluble in water, to form a vacuum in a sealed container. It allow the incorporation of a small amount of liquid in the gas.

Water ring vacuum pumps and compressors are widely used in petrochemical engineering, medicine, food, sugar industry, paper, machine and other areas.

In the gas compression processes, the temperature is constent, so this serious, which should be used more widely, can be more safe when pumping explosion hazard gases.







SK Series Main Technical Parameters

Model	Pumping speed (m³/min)		Limit vacuum		Power (kw)		Speed (r.p.m)	Weight (kg)
	MAX.	Vacuum is -450 mmHg	mmHg	Mpa	Vacuum pump	Compressor		
SK–0.15	0.15	0.12	–670	–0.089	0.75	–	2850	30
SK–0.4	0.4	0.36	–670	–0.089	1.5	–	2850	50
SK–0.8	0.8	0.75	–670	–0.089	2.2	–	2860	80
SK–1.5B	1.5	1.35	–700	–0.093	4	–	2860	90
SK–1.5	1.5	1.35	–680	–0.091	3	4	1440	200
SK–3	3	2.8	–700	–0.093	5.5	7.5	1440	320
SK–6	6	5.4	–700	–0.093	11	15	1460	460
SK–12	12	10.8	–700	–0.093	18.5	30	970	750
SK–20	20	18	–700	–0.093	37	55	740	1700
SK–30	30	27	–700	–0.093	55	75	740	2300
SK–42	42	37.8	–700	–0.093	75	–	740	2500
SK–60	60	54	–700	–0.093	95	–	550	3500
SK–85	85	76.5	–700	–0.093	132	–	550	3800
SK–120	120	108	–700	–0.093	185	–	490	5520

1.The data is listed in the table in the condition that air temperature of 20°C, the water temperature of 15°C, exhaust pressure 1013 hpa, suction medium for saturated air.

2.The pump performance tolerances ±10%

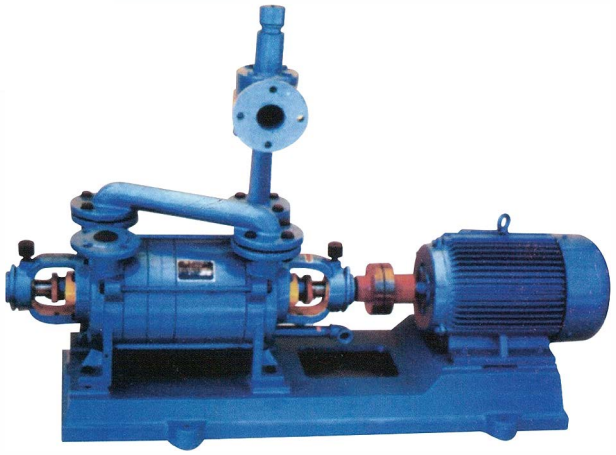
2SK series water ring vacuum pumps and compressors

Usage and characteristics

The two-stage water ring vacuum pump has a larger pumping capacity under higher vacuum, so it is most suitable to work between - 0.085 Mpa and - 0.095 Mpa in the suction pressure.

The 2SK&2SK-P1 two stage water ring vacuum pumps are used to pumping or compress air or other gas without corrosivity and rigid granules, and insoluble in water, to form a high vacuum in a sealed container.

It's widely used in food, spinning, chemistry industry, medicine, metallurgy and electronic field, working in vacuum moisture regain, vacuum evaporation, vacuum impregnation, vacuum drying, vacuum smelting, with advantages like high vacuum degree, high Rev in High vacuum regions, compact structure, reliable operation, easy repairing.



2SK Series Main Technical Parameters

Model	Pumping speed (m³/min)		Limit vacuum Mpa (mmHg)	Power (kw)	Speed (r.p.m)	Fluid-flow (L/min)	Weight (kg)
	MAX.	Vacuum is -0.093Mpa					
2SK–1.5	1.5	0.9	–0.098(–735)	4	1440	10–15	200
2SK–3	3	2	–0.098(–735)	7.5	1440	15–20	310
2SK–6	6	4	–0.098(–735)	15	1460	25–35	460
2SK–12	12	8	–0.098(–735)	22	970	40–50	730
2SK–20	20	14	–0.098(–735)	45	740	60–80	1650
2SK–30	30	20	–0.098(–735)	55	740	70–90	2300

2SK-P1 Series Main Technical Parameters

Model	Pumping speed (m³/min)		Limit vacuum Mpa (mmHg)	Power (kw)	Speed (r.p.m)	Fluid-flow (L/min)	Weight (kg)
	MAX.	Vacuum is -0.093Mpa					
2SK–1.5P1	1.5	0.9	–0.099(–750)	4	1440	10–15	210
2SK–3P1	3	2	–0.099(–750)	7.5	1440	15–20	320
2SK–6P1	6	4	–0.099(–750)	15	1460	25–35	480
2SK–12P1	12	8	–0.099(–750)	22	970	40–50	760
2SK–20P1	20	14	–0.099(–750)	45	740	60–80	1750
2SK–30P1	30	20	–0.099(–750)	55	740	70–90	2400

1.The data is listed in the table in the condition that air temperature of 20°C, the water temperature of 15°C, exhaust pressure 1013 hpa, suction medium for saturated air.

2.The pump performance tolerances ±10%