

www.synsysco.com

ANEST Dry Scroll Vacuum Pump

Welcome to the Anest Iwata product line of Synergy Systems Corporation. SynSysCo's Principals and Anest Iwata have a long standing relationship that began in 1998. Together we established the original commercial relationship that introduced the Anest Iwata brand to North America and established its service and support centers.

Since this introduction, the Anest Iwata brand has become the Market Standard for Scroll pump performance. Their products have been widely received by all aspects of Industry, Academia, and Federal research institutions.

Anest Iwata is the original manufacturer to bring scroll vacuum pumps to the vacuum market. With nearly 20 years of field experience and more performance hours than all its competitors combined, the ISP series scroll vacuum pumps are the premium choice for clean pumping technology.

SynSysCo is pleased to distribute Anest Iwata products in North America, and we are able to service and support all your scroll pump application needs. Please feel free to contact us for any service, new product selection, or system configuration inquiries you may have. We look forward to hearing from you.



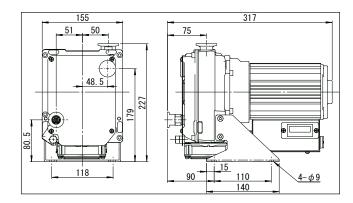


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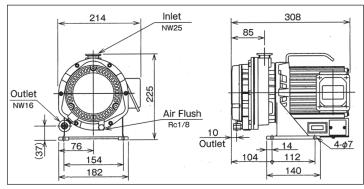
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Dry Scroll Vacuum Pump

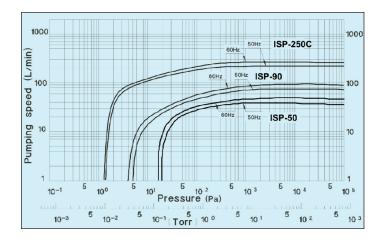


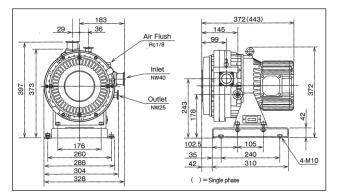


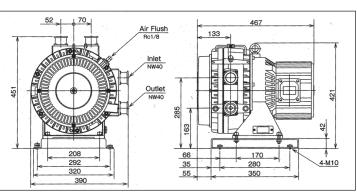


Air Flush Rc1/8 Outlet NW16 28.5 136 180 170 170 170 170 170 170 170	(8) 136	Rc1/8 Outlet	28.5 52 20 121 130
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Trade Name			Oil Free Scroll Vacuum Pump				
Model			ISP-50-SV1	ISP-50-SV2	ISP-90	ISP-250	
Pumping Speed	L/min (CFM) 50/60 Hz		50/60 (1.8/2.1)		90/108 (3.2/3.8)	250/300 (8.8/10.6)	
Ultimate Pressure	Pa(Torr)		≤ 15 (1.1x10 ⁻¹)		≤ 5 (3.7x10 ⁻²)	≤ 1.6 (1.2x10 ⁻²)	
Motor Power	W		100		150	400	
Voltage	٧	1Ph	100, 115	200, 230	100	0, 115, 200, 230	
		3Ph	-		-	200, 208, 230, 380, 415, 460	
Noise Level	dB (A)		48		52	58	
Noise Level (at air-flush)			57		57	66	
Weight	kg	1Ph	12		14	25	
		3Ph	-		-	23	
Leak Tightness	Pa · m³/s		≤1.0x10 ⁻⁷		≤ 1.0x10 ⁻⁵	≤1.0x10 ⁻⁵	
Water Vapor Capacity	g/day		3		5	25	
Air Flush	L/ı	min	4	1	9	10	
Inlet Connection	N	W			25		
Outlet Connection	N	W			16		
Cooling System			Air-Cooled				
Ambient Temperature	°C	/ °F	5 ~ 40 / 41 ~104				







1000/1200 (35.3/42.4)

≤ 1 (7.5x10⁻³)

1400

74

60





Scratt Meister
SCRID Making
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1000			ISP-1000	60Hz 50Hz		1000
speed (L/min)	f		50Hz	60Hz		100
beeds bu						
Bujum du na						10
1						1
10-1	5 10°	5 10 ¹	5 10 ²	5 10 ³	⁵ 10 ⁴	5 10 ⁵
Pressure (Pa)						
10-3	5 10-2	⁵ 10 ⁻¹	{ Torr } ¹⁰ °	⁵ 10 ¹	5 10 ²	5 10 ³

Applications

Trade Name

umping Speed

Motor Power

Noise Level

Leak Tightness

Inlet Connection

Outlet Connection Cooling System

Ambient Temperature

Air Flush

Water Vapor Capacity

Noise Level (at air-flush)

Voltage

L/min (CFM)

50/60 Hz

1Ph

3Ph

1Ph 3Ph

dB (A)

Pa · m³/s

g/day

L/min

NW

NW

°C/°F

• Sputtering equipment, Vacuum deposition equipment, Ion plating equipment

500/600 (17.2/21.2)

 $\leq 1 \ (7.5 \times 10^{-3})$

600

100, 115, 200, 230

200, 208, 230, 380, 415, 460

≤ 1.0x10⁻⁵

25

10

Air-Cooled

- · Gas recovery devices
- · Leak Detectors
- Device Handling Systems
- · Surface modification, Electron beam process
- · Vacuum furnace, Heat treatment furnace
- · Laboratory Use
- · Vacuum packaging machine
- Others

Air Flush

Purpose of Air Flush - Pumping humid gas with a vacuum pump can cause condensed moisture to remain in the pump. This remaining moisture can cause a failure to the pump or ultimate pressure. The Air Flush operation is necessary to remove remaining moisture. The Air Flush operation not only removes the remaining moisture but recovers ultimate pressure.

