

Welch® SCSpro 15 Scroll Vacuum Pump

NEW

With Self-Cleaning Air Flush



Welch SCSpro 15 has a built-in self-cleaning air flush that removes liquefied vapors that can condense in pump from a trapped application. The air flush function doesn't impact vacuum performance of pump.

Welch SCSpro 15 dry scroll vacuum pump generates a maximum pumping speed of 250 lpm and vacuum to 0.012 Torr (0.016 mbar). The oil-free scroll pump generates a vacuum by continuously moving pockets of captured gas that enters inlet to exhaust port via two-sided spiral mechanism.

The scroll pump is an alternate solution to oil-sealed rotary vane pumps. Common applications include freeze dryer with ultra-low temperature condenser, glove box, cold trapped vacuum oven or degassing chamber, turbo backing, and evacuation of cryogenic lines.

The SCSpro 15 is made to last with durable and reliable materials, in which:

- Scroll and body are made of anodized aluminum.
- Tip seal is made from PTFE composite.
- Exhaust valve is made with FKM.
- Inlet and exhaust ports are made from cast stainless steel.

You deserve the best vacuum pump and you get it with Welch

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- ✓ OIL-FREE DEEP VACUUM
- ✓ SELF-CLEANING FUNCTION DURING OPERATION WITHOUT IMPACTING VACUUM
- ✓ CONTINUOUS OPERATION BETWEEN ULTIMATE VACUUM PRESSURE AND ATMOSPHERIC
- ✓ ROBUST DUAL VOLTAGE/FREQUENCY MOTOR
- ✓ INTEGRATED HOUR METER FOR ACCURATE SERVICING
- ✓ BUILT-IN HANDLE FOR EASY TRANSPORT
- ✓ MODULAR DESIGN ALLOWS FAST, EASY SERVICING



WELCH
An Ingersoll Rand Business

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SPECIFICATIONS OF WELCH® SCSpro 15

Technical Data		Units	Model SCSpro 15
		CFM	9.9
Max. Pumping Speed	@60Hz	LPM	280
		m ³ /hr	16.8
	@50Hz	m ³ /hr	14
		LPM	233
Ultimate Vacuum Pressure		torr/mbar	0.012/0.016
Leak tightness		mbar-l/s	0.0001
Max. Allowable Discharge Pressure ¹		PSI/Bar (above atm)	5/0.3
Ambient Temperature Range		°C	5-40
Inlet Connection			NW25
Pump Inlet Orientation			Vertical
Exhaust Connection			NW16
Noise Level @50Hz, typical		dBA	<53
Motor Speed		Rpm 50/60Hz	1450/1740
Nominal Current	115V 60Hz	Amps	4.3
	230V 50Hz	Amps	2.1
Motor Enclosure/IP code			TEFC/IP 54
Pump Weight		kg/lbs	29.9/66
Dimensions, LxWxH, approximate		mm	429x244x353
		in.	16.9x9.6x13.9
Agency			cUL/CE

ORDERING INFORMATION

MODEL	Country	Model SCSpro 15
Wired 115V, 60Hz 1Ph	NA	5151-01 ²
Wired 230V, 50/60Hz, 1Ph	NA	5152-01 ³
Wired 220-240V, 50/60Hz, 1Ph	EU	5152-00 ⁴
Wired 220-240V, 50/60Hz, 1Ph	China	5153-00 ⁵

Notes:

- 1). Do not restrict exhaust. If using exhaust filter, replace element when spent to avoid backpressure.
- 2). Includes line cord US-plug (115V NEMA 5-15); hose barb adapter (NW25 to 5/8-3/4 in. ID and NW16 to 5/8 in. ID)
- 3). Includes line cord US-plug (230V NEMA 6-15) and EU-Schuko Plug (CEE 7/4); hose barb adapter (NW25 to 5/8-3/4 in. ID and NW16 to 5/8 in. ID)
- 4). Includes line cords: EU-Schuko plug (CEE 7/4), line cord UK-plug (BS1363)
- 5). Line cord with CN Plug (AS/NZS 3112)