PROVAC SALES
PHONE: 831-462-8900 FAX: 831-462-3536 WWW.PROVAC.COM

Edwards ELD500 Wet, Dry, Flex
Technical Specifications

ELD500 Leak Detector	Units	WET	DRY	FLEX
Lowest detectable helium leak rate				
Vacuum operation	mbar ls^{-1}	$\leq 5 \times 10^{-12}$	$\leq 3 \times 10^{-11}$	$\leq 5 \times 10^{-12}$ *
Sniffer operation	mbar ls^{-1}	$\leq 7 \times 10^{-9}$	$\leq 7 \times 10^{-9}$	$\leq 7 \times 10^{-9}$
Maximum measurable helium leak rate				
Vacuum operation	mbar ls^{-1}	> 0.1	> 0.1	> 0.1
Measurement ranges	decades	12	12	12
Maximum permissible inlet pressure	mbar	15	15	15
Pumping speed during pumpdown, 50 Hz/60 Hz	m^3h^{-1}	2.5/3	1.6/1.8	N/A
Helium pumping speed in the fine mode	ls^{-1}	3.1	3.1	3.1
Time constant for leak rate signal	s	< 1	< 1	< 1
Time until ready for operation	min	≤ 2	≤ 2	≤ 2
Power consumption	VA	420	350	200
Inlet flange		NW25	NW25	NW25
Dimensions (WxHxD)	mm	495x456x314	495x456x314	495x456x314
Weight	kg	40	35.5	30

* backing pump dependent

PROVAC SALES
Phone: 831-462-8900 Fax: 831-462-3536 www.provac.com

Edwards ELD500 Wet, Dry, Flex

Features & Benefits

- fully automated leak detector
- fast, accurate leak detection in a wide range of applications
- fully mobile with an easy to use control interface
- low cost of ownership
- low energy consumption
- long maintenance intervals, low part replacement requirements
- customizable for any application
- WET: integrated oil sealed rotary vane pump
- DRY: integrated helium optimized diaphragm pump
- FLEX: no primary pump. ideal for trolley mounting along with a larger primary pump (like an nXDS scroll pump)

Applications

- analytical Instruments • electron microscopy • leak detection • mass spectrometry • surface analysis • research & development • space simulation • cryogenic research • nanotechnology • coating systems
- semiconductor • load lock & transfer • metrology • lithography • PVD
- plasma etching • implant source • CVD • flat panel display • LED
- industrial • electron beam welding • lamp & tube manufacturing
- glass coating • brake line & air conditioning • refrigeration system manufacturers • heat treatment • power • vacuum furnaces • laser evacuation • high energy physics • beam lines • accelerators • fusion