

# iXL dry pumps

**iXL dry pumps for flat panel display, solar loadlock and clean duty applications.**

The iXL family of dry pumps cover the entire range of pumpdown requirements encountered in the flat panel display (FPD) and solar manufacturing market sectors - from the smaller loadlocks at Generation 4, right up to the largest at Generation 8 or 10.

These leading-performance pumps are designed to maximise substrate throughput, while minimising power, footprint and weight. In addition, no maintenance is required between overhauls.



## Features and benefits

- High atmospheric pumping speed
  - Key to fast pumpdown
  - Improved TACT time and increased throughput
- Mechanically robust, designed to withstand frequent high cyclic loads
- Reduced cost of ownership
  - High volume ratio design that reduces the power requirement
  - SEMI® E54 compatible and Green Mode capable
  - No periodic maintenance required between overhauls
- Compact design
  - Small footprint with simple installation
- Complies with key international standards, including UL, CE and S2
- Large degree of flexibility in control and monitor options, from local user interfaces to external interfaces, and networks including Edwards Fabworks central monitoring system

### Application range

Loadlock	Transfer	PVD (TMP back)	Test/Cell Fill	Coater Developer	Dry Etch	PECVD
iXL Recommended						
			EXS Recommended			
					iXH Recommended	
Clean Applications <small>Non-reactive gases used</small>				Harsh Applications <small>Corrosive or reactive gases used</small>		

# Technical data

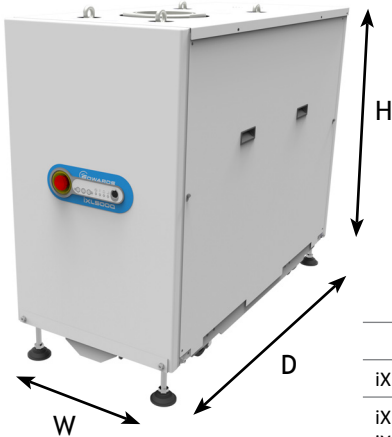
## Specifications

Product		iXL250Q	iXL500Q	iXL500R	iXL750Q
Dry pump size	m <sup>3</sup> /h	250	500	500	750
Booster size	m <sup>3</sup> /h	1800	1800	3000	1800
Ultimate vac. (typical)	mbar	<5x10 <sup>-3</sup>	<5x10 <sup>-3</sup>	<5x10 <sup>-3</sup>	<5x10 <sup>-3</sup>
System power at ultimate	kW	5.3	7.0	7.0	9.8
Inlet connection	ISO	160	160	160	160
Outlet connection	NW	40	50	50	50
Water flow	l/min	7	11	11	9
Purge	slm	0	4	4	0
Mass	kg	515	740	874	918

## Example pumpdown times

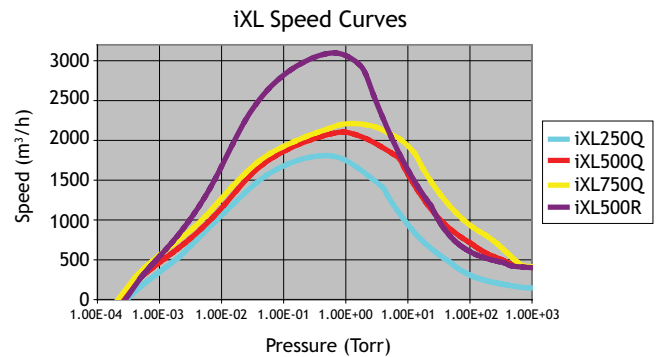
Chamber volume	Pumpdown time to 0.1 mbar (secs) (5m foreline, ISO160)		
	iXL250Q	iXL500Q	iXL750Q
300	28	16	14
600	50	27	23
800	64	34	29

## Dimensions



	W	D	H
iXL250Q	390	1092	830
iXL500Q iXL500R	517	1186	966
iXL750Q	517	1622	1031

## Speed curves



## Example of single point contact system



- Single point of connection for utilities hook up and control/monitor
- Greatly reduces installation time
- System behaves like a simple single pump

# Global contacts

### EUROPE

UK Crawley +44 1293 528844  
 UK (local rate) 08459 212223  
 Belgium Brussels +32 2 300 0730  
 France Paris +33 1 4121 1256  
 Germany Munich 0800 000 1456  
 Italy Milan +39 02 48 4471

### USA

Niagara (toll free) +1 800 848 9800

### BRAZIL

Sao Paulo +55 11 3952 5000

### ISRAEL

Qiryat-Gat +972 8 681 0633

### ASIA PACIFIC

China (toll free) +86 400 111 9618

India, Pune +91 20 4075 2222

Japan, Yachiyo +81 47 458 8831

Korea, Bundang +82 31 716 7070

Singapore +65 6546 8408

Taiwan R.O.C. Jhunan Town +886 3758 1000



WWW.EDWARDSVACUUM.COM

info@edwardsvacuum.com

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