

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

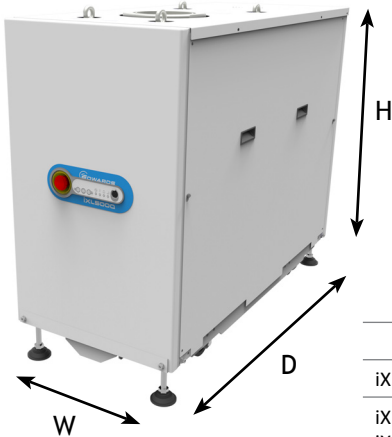
Specifications

Product		iXL250Q	iXL500Q	iXL500R	iXL750Q
Dry pump size	m ³ /h	250	500	500	750
Booster size	m ³ /h	1800	1800	3000	1800
Ultimate vac. (typical)	mbar	<5x10 ⁻³	<5x10 ⁻³	<5x10 ⁻³	<5x10 ⁻³
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

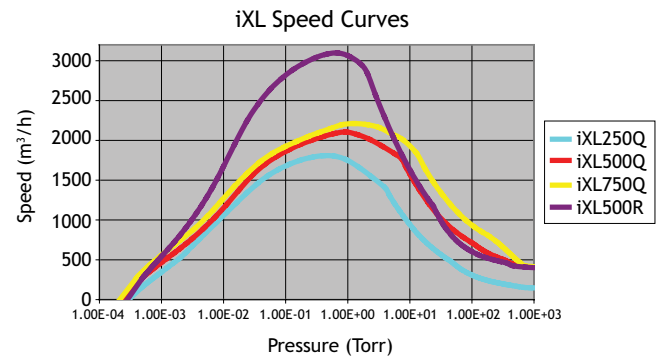
Chamber volume	Pumpdown time to 0.1 mbar (secs) (5m foreline, ISO160)		
	iXL250Q	iXL500Q	iXL750Q
300	28	16	14
600	50	27	23
800	64	34	29

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

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