

ELIVAC®



***ELIVAC CUSTOM-MADE
ROOTS BOOSTER VACUUM PUMPS***



***All Options in Applications of
Degassing, Chemical, Pharmaceutical,
Power, Electronic, Solar, Tobacco, Oil and More***

An International Brand with Proven Swiss Quality



ELIVAC SWISS GmbH in Switzerland

There is no “one size fits all” Roots pump! This is true not only what pumping speed is concerned but also to applications, work conditions and system set up.

ELIVAC provides custom-made Roots pumps. It’s like the DELL® Computer in vacuum pumps – allowing the customer to make his own choice regarding:

- Fast flow with higher vacuum level, like coating machine, liquid steel degassing, air space simulator;
- Special-duty pumps to deal with harsh gas vapors or corrosive air with large pressure difference in 24/7 chemical processes;
- Typically, even in one steel degassing module, each stage requires different performance character, which needs to be addressed in design and manufacturing.

With solid vacuum knowledge, manufacturing Know-How and modular design, ELIVAC allows customers to choose the best-fit pumps for their processes. At any given flow from 110 to 30,000 m³/h, the customer can make his own choice from:

- High or low rotational speed;
- All type of coatings or none at all;
- Type of seals;
- Colors, materials, styles and more.



ELIVACFactory in China

An International Brand with Proven Swiss Quality



ER4300/5100AMCCOIL
5-Point mechanical seal



ERB2200/3300AMC
Mechanical by-pass



ER25000
Dust seal

ELIVAC ER Series Custom-made Roots Pump Specifications

Model Platform ER Model Name	Max.Theory Speed m3/h		l/s	Motor		Weight KG
	50Hz	at Max rpm		rpm	KW	
ER110	170	200	30	2900-3500	0.75	56
ER(B)250	320	390	70		1.5	65(71)
ER(B)540(M) (MAG)	720	870	150	2900-3500	3/4	139
ER(B)540 MAG						
ERA900(A)M/EMBD540	750	900	200	2900-3500	4	110
ERA1200(A)M/EMBD720	1040	1250	300			135
ER1500(M)(MAG)	1630	1960	300	2900/3500	4	208
ER2200-3000E(M)	2480	2980	550		5.5/7.5	280
ER(B)2200-3300(A)(M)	2750	3300	600	2900-3500	5.5/7/5	385(400)
ER(B)4300-5100(A)(M)	4430	5320	1100			
ER7000(A)(M)	5900	7100	1400	2900/3500	11/15	530
ER5400/6500	6640	9100	1500			1450-2000
ER10000	8860	12500	2200-3300	1450-2000	18.5/22	1850
ER18000	13800	20000	3800-5500	1450-2000		2200
ER22000, ER25000	13800	20000-25000	5500-7000	2000-2500	18.5-30	

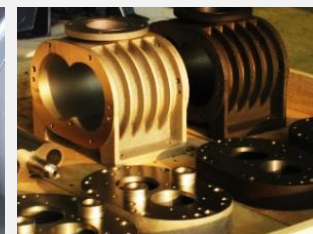
- 1) ER series above with the same color are products on the same platform;
- 2) Besides the ERA series, the parts in front of the '/' (sometimes '-') represent the traditional models, which used to operate at 50Hz. The actual pumping speed is now usually higher;
- 3) Characters in parentheses represent options: B-mechanical by-pass; M-mechanical seal; AM-full mechanical seal. AS-all sealed; COIL- after cooler; C-coated; L- lower rpm model. Base pumps are for general industrial batch applications. A 24/7 chemical application may need high pressure difference pump with suffix 'BP'.



NSK bearings and SKF
seals as standard



High temperature painting



With Ni-P, PTFE, PFA
coating

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ELIVAC®



ELIVAC Roots Pump - Typical Applications



Thermosol process



Power plant energy savings



Distilling



Edible oil process



Steel degassing, coating & furnace



Chemical, pharmaceutical



Office & MFG: M:+41 78 641 33 32 T: +41 41 611 07 12



Office & MFG: Tel: +86 21 6921 3682/+86 186 0211 9600

Web: www.eliac.ch www.elivac.com CS: cs@elivac.com



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