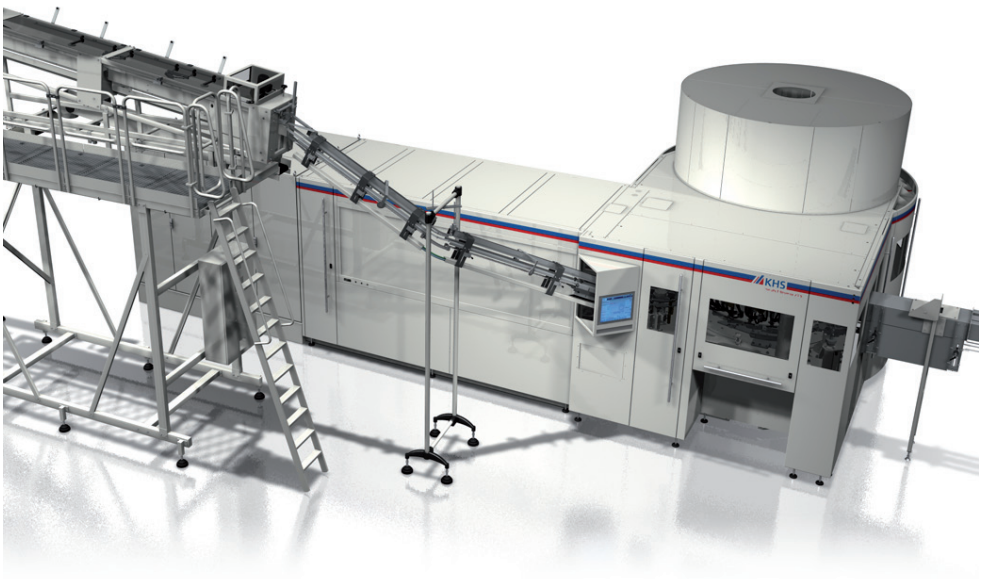
The InnoPET Blomax Series IV has an output rate of up to 72,000 PET bph. The InnoPET Blomax Series IV is available in a modular design of 4 to 36 blowing stations, each with an output rate of up to 2,200 PET bph. The standard production of the InnoPET Blomax Series IV is a bottle volume of 0.2 to 3.0 liters. Special sizes can also be produced.

During the development of all technical innovations within the InnoPET Blomax Series IV, special emphasis was placed on key requirements like minimum energy consumption, process stability as well as uptime. The focus and goal of the development were lowest total cost of ownership per produced bottle. All technical innovations integrated into the Series IV support this goal.



The new NIR Reflexx-oven

- Exclusive use of short-wave, energy-dense NIR (Near Infra Red) radiation
- Heating-up time of preforms reduced by 50%
- Reduction of surface heat
- Re-heat and cooling energy consumption reduced by approx. 30% vs. traditional heating technology

The new CLever-Loc blow molding stations

- minimum footprint design, more stations on the same blowing wheel diameter
- only one half opens, the other half remains rigid
- CLever-Loc device, clamping through toggle
- Longer process time
- Higher specific output of up to 2,200 bottles/h/station
- Compatible with Series III molds

Preform transport via active mandrel and TouchGrip system

- Improvement of the established mandrel system: Active mandrel transports preforms gently and securely through the oven
- Smallest pitch, 37.7 mm
- Gripper of TouchGrip systems take over preforms

Servo-driven StretchFlexx stretching system

- Stretching speed independent of machine speed
- Servomotors control the stretching rod
- Rapid change-over, no mechanical adjustment
- Stretching movement and -speed can be adjusted on the screen
- High process stability
- Less scrap

Compressed air savings with Eco-Space valves

- Approx. 15% decrease of top industrial values in compressed air consumption through redesign of valve block
- Approx. 25-30% savings of blowing air through reduced dead air volume
- Airback air recycling internally or externally

Low maintenance

- Reduction of wear parts
- Central axis of blowing station with permanent lubrication
- Automatic central lubrication
- No adjustment of guidings and transfers
- Large doors, easy accessibility

Availability

- Up to 25% savings in change-over time of blowing stations
- Run-up time only approx. 15 sec

More efficiency in blocked systems

- Easy interlocking with suitable fillers/caps to an InnoPET BloFill block
- Short start-up time
- 50% less preform scrap after emergency stop
- Improved adaptation to filling output through independent stretching
- Enhanced product quality

Important:
Reference of all values is made in comparison to Series III.

KHS
Filling and Packaging – Worldwide

InnoPET Blomax Series IV Machine type/number of blowing stations	Maximum nominal output *) Standard bottle 1.5-l-bottle/h up to	bottle volume	Max. diameter	Maximum height	Machine footprint (A x B)	Machine height	Height of preform infeed system	Weight of basic machine	Electrical load	Typ. electr. consumption, 1.5-l-bottle, 30 g	Blowing air consumption, 35 bar, 1.5-l-bottle	Typical cooling requirement, 1.5-l-bottle, 30g	Hopper size for preforms/operating time	Number of transport mandrels	Bottles after preform input stop	Number of standard installed heater boxes	Max. diameter support ring
	bph*	l	mm	mm	m	m	m	kg	kVa	kWh	Nm³/h	kW	m³/min	pcs	pcs	pcs	mm ***)
4	8800	0,2-3,0	113/ 125 **)	365	7,4 x 3	3,25	4,35	16000	117	32,7	524	9	1,8 / 88	134	146	4	36/48
6	13200	0,2-3,0	113/ 125 **)	365	7,4 x 3	3,25	4,35	16000	144	49,1	786	13	1,8 / 59	134	148	5	36/48
8	17600	0,2-3,0	113/ 125 **)	365	7,4 x 3	3,25	4,35	16500	197	65,5	1048	17	1,8 / 44	134	150	7	36/48
10	22000	0,2-3,0	113/ 125 **)	365	7,4 x 3	3,25	4,35	16700	223	81,8	1310	21	1,8 / 35	134	152	8	36/48
12	26400	0,2-3,0	113/ 125 **)	365	8,3 x 4,6	3,25	4,40	18500	283	98,2	1572	26	2,8 / 45	160	189	10	36/48
14	30800	0,2-3,0	113/ 125 **)	365	8,3 x 4,6	3,25	4,40	19500	309	114,6	1834	30	2,8 / 39	160	193	11	36/48
16	35200	0,2-3,0	113/ 125 **)	365	8,3 x 4,6	3,25	4,40	20500	336	130,9	2096	34	2,8 / 34	178	217	12	36/48
18	39600	0,2-3,0	113/ 125 **)	365	9,4 x 5	3,25	4,90	20900	362	147,3	2358	38	2,8 / 30	196	235	13	36/48
20	44000	0,2-3,0	113/ 125 **)	365	9,4 x 5	3,25	4,90	21900	389	163,7	2620	43	2,8 / 27	214	257	14	36/48
24	50400	0,2-3,0	113/ 125 **)	365	11,5 x 6	3,25	5,50	28000	472	187,5	3001	49	5 / 43	234	287	17	36/48
28	58800	0,2-3,0	113/ 125 **)	365	11,5 x 6	3,25	5,50	30500	552	218,7	3501	57	5 / 36	272	322	20	36/48
32	64000	0,2-3,0	113/ 125 **)	365	13,3 x 7	3,25	5,50	35000	607	238	3811	62	5 / 33	290	364	22	36/48
36	72000	0,2-3,0	113/ 125 **)	365	13,3 x 7	3,25	5,50	38000	658	267,8	4287	70	5 / 30	308	372	24	36/48

*) dependent on preform and bottle design
**) cam modification bottle output
***) larger diameters on request

KHS Corpoplast GmbH & Co. KG

Meiendorfer Strasse 203
22145 Hamburg
Germany
Phone: +49 (0) 40 679 07-0
Fax: +49 (0) 40 679 07-100
E-mail: info@khs.com
www.khscorpoplast.com

Edition: 11.09-en

KHS
Filling and Packaging – Worldwide