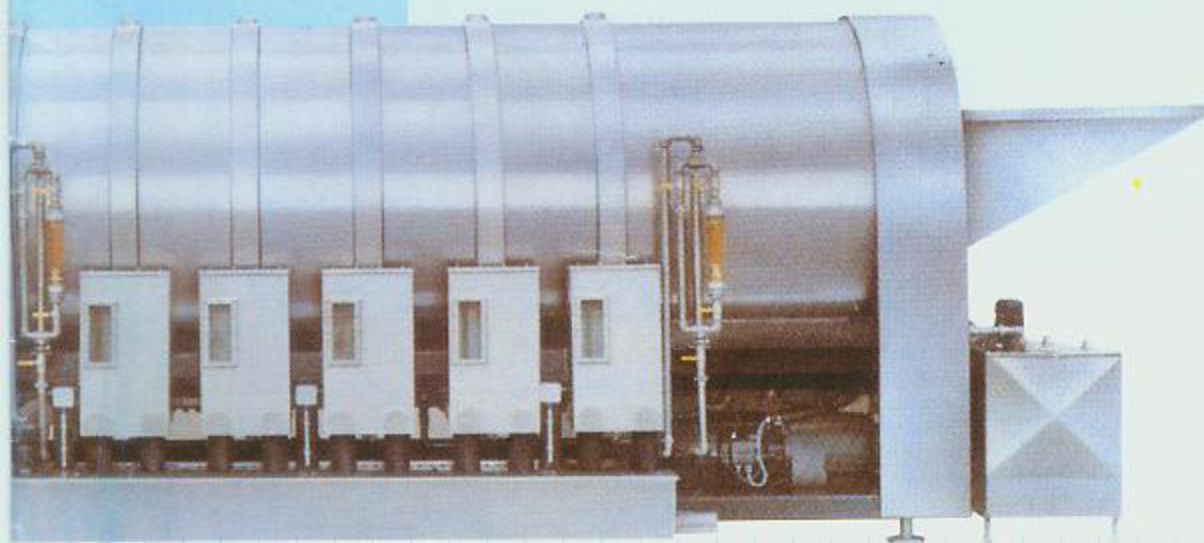


Tunnel Washer *Transflex* *Transflex Super*

24 . 36 . 60 . 75 . 100



Individual design and production under one roof

tf *transferon*

Systems Technology



There are two different versions of this batch washer. The *Transflex* and the *Transflex Super*.

Transflex

The *Transflex* tunnel washer is a combination of a Single/Double-Drum design. This machine can be divided from the water flow in four-zones-system. The flow stream will be adapted to the customer's request. The *Transflex* can work either in the counter flow bath direction or in the linen flow direction. To point out is a clear and simple design.

Transflex Super

The *Transflex Super* is produced with a complete Double-Drum design. Each outside drum has its own water lye box. The bath stream is controlled and guided through these boxes from one compartment to the next. Also the bath level, which is inside the drum, can be exactly adjusted with it.

The *Transflex Super* is divided in four bath zones, pre-washing, main washing, rinsing zone and neutralizing zone is standard. The zones can be changed individually according to the customer's request.

The *Transflex* and the *Transflex Super* are produced in a Single- or Double-Drum execution made of stainless steel. Available machine sizes from 7-20 compartments.

The connection for water inlet and outlet and the connections for steam and washing media are located on the bottom side of the drum.

New Directions in Washing Technology

Drum principal

The inner drum, which is welded together of several compartments with a stainless adapter ring between, is a stable and rigid unit. After the mounting the inner drum into the frame line the adapter rings of complete drum were exactly laithed in the production line. Each drum has a total hole area from about 30% in projected view in relation to the surface area and is equipped with a rib. The thickness of the stainless steel drum is here 3 mm.

The outside drum will be assembled later in the production process. It contains sythetic support stripes on the compartment connection points. The thickness of stainless steel drum is here 2 mm.

A cycloid steel spiral does the transport of the linen from one compartment to the next. The conveying of the linen takes place on the bottom of the drum without lifting the line.

This design allows an exact separation of the bath in pre-wash-, main-wash-, rinsing-zone and neutralizing-zone. The inner drum is supported at the entrance in all bearing collar, which lies outside the bath, and the exit side in a large scale, maintenance free synthetic roller bearing.

Drive

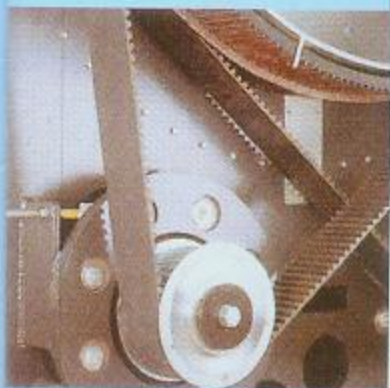
The complete inner drum is driven by geared motors, which are flange mounted to the front frame. The motor output is done with maintenance free tooth belts to the inner drum. The motors, having a frequency controlled drive system, guarantee a smooth and flexible turning of the drum. The rotation angel and the rotation speed are adjustable.

Bath-flow

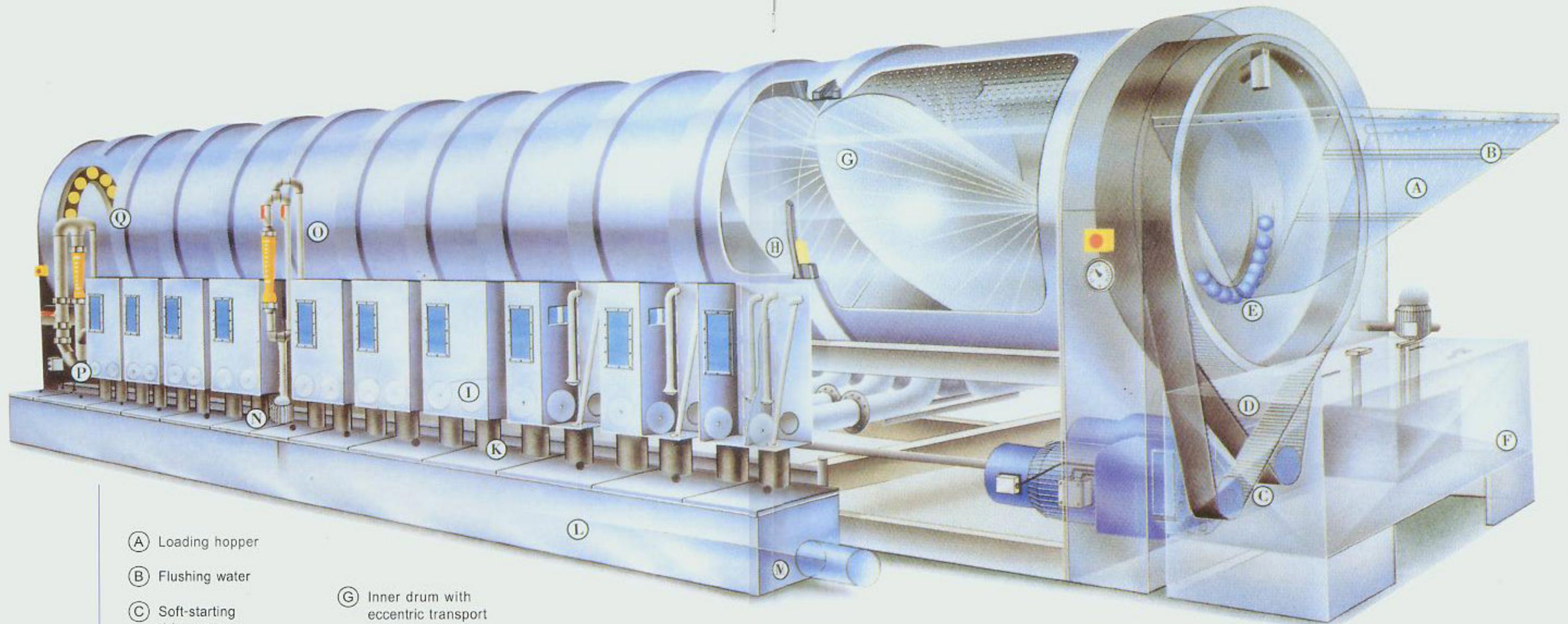
Every bath zone has its own drain water outlet, The water from the dewatering unit is collection in a separate recovery tank. It is used for wetting the linen.

Heating

The water is heated by direct steam input in the compartment. Also the temperature is checked here, so that the controlling and the regulating can be done very exactly. Thus, proper laundry-treatment is guaranteed.



Unique Construction



(A) Loading hopper

(B) Flushing water

(C) Soft-starting
drive motors

(D) Maintenance-free
toothed-belt

(E) Bearing collar

(F) Wetting tank for
pre-wash

(G) Inner drum with
eccentric transport
spiral

(H) Sealing sythetic
bearing shel

(I) Water boxes with
adjustable slides and
overflow pipes

(K) Overflow

(L) Rinsing water recover,
tank with overflow to
the drain channel

(M) Channel connection

(N) Counterflow pump

(O) Counterflow measuring
and regulation unit with
bypass

(P) Fresh water measuring
and regulation unit

(Q) Maintenance-free roller
bearing

Applied Technology

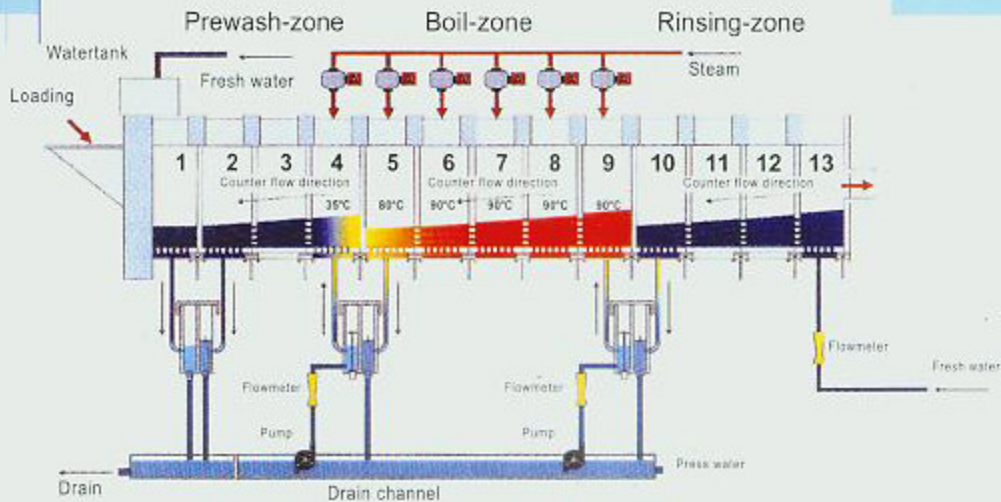
Control

The free programmable PLC controller of the bath washer is built as a modular system. The program, the parameter and the alarm-messages are displayed on a monitor. This allows an overview of the complete machine.

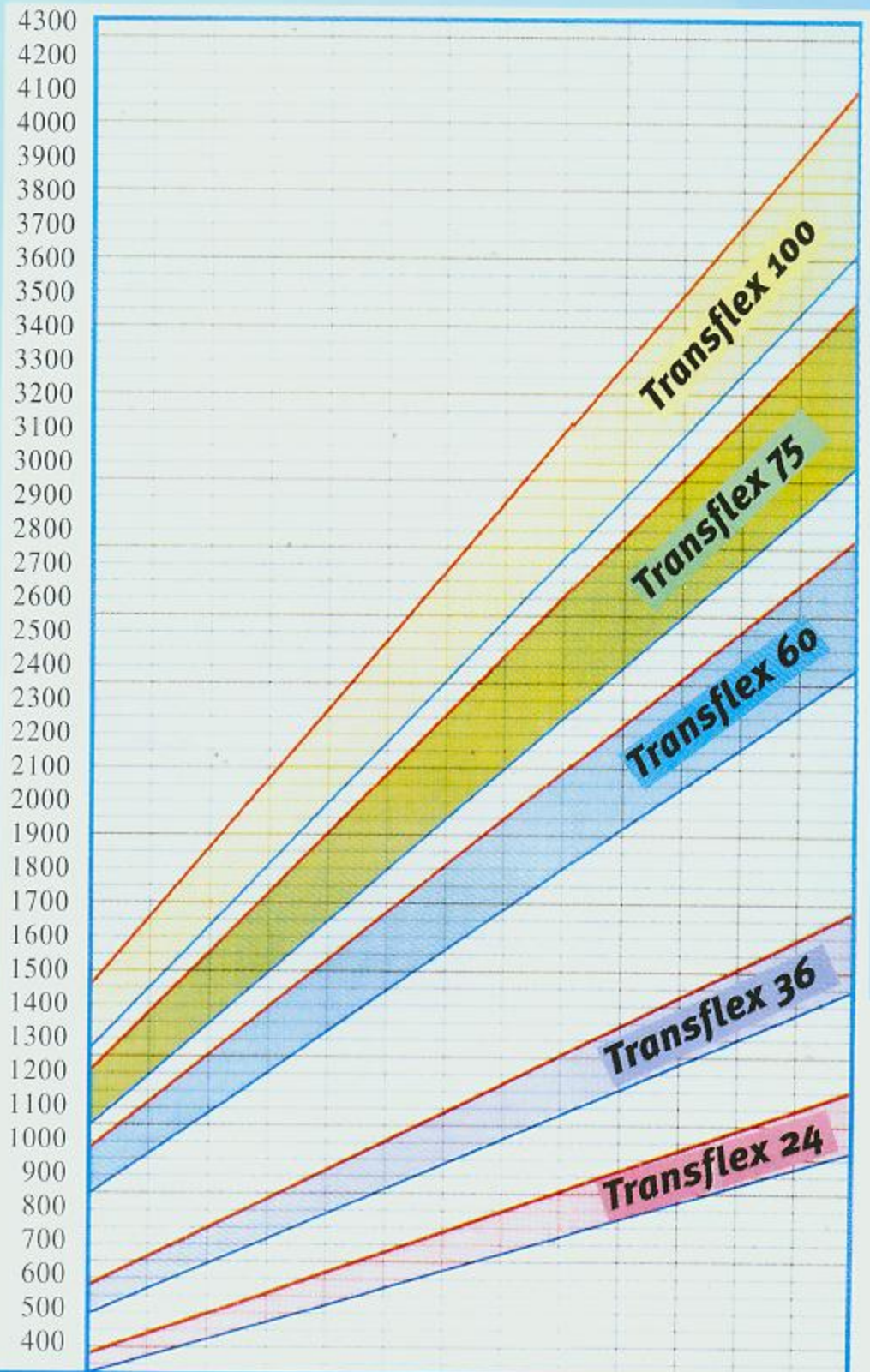
The program is adapted to the special requirements of each batch washer. Existing washing parameters can be edited individually. A changing of the program is possible at any time. Duration and start-time of the washing media are programmable. The user friendly software design of the controller

Scope of supply

- Wetting-out tank
- Recovery tank with pumps
- Low water safety device in each zone
- Thermostop
- Controller with washing media control
- Temperature inspection and control with steam valve in the main wash zone
- Connection outlets for water, steam, electricity and air



Individual Solutions



units	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
transfer time	26 min	3,7	3,3	2,9	2,6	2,4	2,2	2,2	1,85	1,7	1,6	1,5	1,45	1,4	1,3
	30 min	4,3	3,7	3,3	3,0	2,5	2,5	2,3	2,1	2,0	1,9	1,8	1,7	1,6	1,5

cycle times per unit

Technical Data

Transflex 24-100

water consumption	6-12 l/kg dry linen
air consumption	appr. 60 NI/h for one unit
air connection	1/2"
air operating pressure	5 bar (0.5 MPa)
steam consumption	0.3-0.6 kg/kg dry linen
steam connection	2"
steam operating pressure	2-4 bar (0.2-0.4 MPa)

1 bar = 0.1 MPa (Megapascal). Data specific to machine-size and program

Transflex 24

number of units	7	8	9	10	11	12	13	14	15	16	17	18	19	20
length incl. loading hopper	0.3-0.6 kg/kg dry linen					9544	10144	10744	11344	11944	12544	13144	13744	14344
width	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705
height without pedestals	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
electricity consumption / supply	approx. 0.7 kW per unit / 1 kW per unit													

Transflex 36

number of units	7	8	9	10	11	12	13	14	15	16	17	18	19	20
length incl. loading hopper	0.3-0.6 kg/kg dry linen					10844	11544	12244	12944	13644	14344	15044	15744	16444
width	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705	1705
height without pedestals	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
electricity consumption / supply	approx. 0.7 kW per unit / 1 kW per unit													

Transflex 60

number of units	7	8	9	10	11	12	13	14	15	16	17	18	19	20
length incl. loading hopper	7700	8400	9100	9800	10500	11200	11900	12600	13300	14000	14700	15400	16100	16800
width	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095
height without pedestals	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550
electricity consumption / supply	approx. 1 kW per unit / 1.5 kW per unit													

Transflex 75

number of units	7	8	9	10	11	12	13	14	15	16	17	18	19	20
length incl. loading hopper	8590	9465	10340	11215	12090	12965	13840	14715	15590	16465	17340	18215	19090	19965
width	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095
height without pedestals	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550
electricity consumption / supply	approx. 1 kW per unit / 1.5 kW per unit													

Transflex 100

number of units	7	8	9	10	11	12	13	14	15	16	17	18	19	20
length incl. loading hopper	9640	10690	11740	12790	13840	14890	15940	16990	18040	19090	20140	21190	22240	23290
width	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095	2095
height without pedestals	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550	2550
electricity consumption / supply	approx. 1 kW per unit / 1.5 kW per unit													

We reserve the right to make individual changes within the framework of technical development.

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