

Continually Operating Hair Preparing Installation Type 202 - 205

(Edition 07/2020)



Bahner

Mixing Drum Type 202
Fur Transport Container Type 203
Conical Hairmixer Type 204
Complete Feeder Type 205

Mixing Drum 202

Different qualities of hat bodies demand the respective mixtures of hair. These are put together in the hat factories, from various types of hair, after proven recipes.

The task of the mixing drum Type 202 is, to mix intensively the various types of hair throughout, thus originating a uniform mixture of hair. At the same time, the hair must be largely loosened up by the conical mixer (204), is largely dedusted, and is blown (assorted, cleaned) on blowing machines.

The mixing drum Type 202 is designed so as to permit all functions to be performed, to pass economically and largely automatically. The large drum itself is rotating at a low number of revolutions. The picker shaft, which is inside, on the other hand is rotating at a high number of revolutions. The pointed picker pins tear up again and again the hair material falling down on them, loosen it up largely, and mix it well throughout.

The mixing time, on a time relay, can be adjusted from 0 to 99 minutes. Normal mixing time will be approximately 60 minutes.

For emptying a Fur Transport Container Type 203 specially designed for this purpose, is pushed underneath the mixing drum (Type 202). The two bottom flaps of the mixing drum are opened and the hair stuff falls into the Conical Hairmixer Type 204 underneath.

A switching arrangement, provided for this purpose, permits the drum to be turned, at slow speed, so that it gets into emptying position. It will often happen that the hair stuff does not fall into the fur transporting container, completely. In such cases, the drum can be so turned through two switches, in forward and backward motion, till it is emptied completely.

The installation is designed so as to permit operation at a minimum of time for attendance. The hair stuff itself is taken out manually no longer, but automatically, steered through switching arrangements. Thus, emptying the mixing drum is done in less than one minute.

The mixing drum itself works organically in a continually operating hair preparing installation. The arrangements, connected after, are:

- Fur Transport Container Type 203 with moving floor, coupled with
- continually working Complete Feeder Type 205
- Conical Hairmixer Type 204 with catching funnel, and the hair box with dedusting arrangement

The size of the mixing drum depends on the quantity of hair material to be mixed. However, it should – if conditions of space permit – be chosen as large as possible, within the possibilities given.

Technical Data

Size	Trommel Ø		Room minimum height		Filling weight by fill requirements						Size ratio			
					strong		medium		low		length		width	
	mm	inch	mm	inch	kg	lbs	kg	lbs	kg	lbs	mm	inch	mm	inch
I	2500	98,4	3400	133,9	25	11,34	20	9,07	15	6,8	2600	102,4	2200	86,6
II	3100	122,1	4000	157,5	37,5	17,01	30	13,61	22,5	10,21	3200	126	2300	90,6
III	3600	141,7	4500	177,2	50	22,68	40	18,14	30	13,61	3700	145,7	2400	94,5
IV	4000	157,5	4900	192,9	62,5	28,35	50	22,68	37,5	17,01	4200	165,4	2500	98,4



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Fur Transport Container Type 203 and Complete Feeder Type 205

Is pushed underneath the mixing drum. This Fur Transport Container takes the hair material to the feeder Type 205 of the conical Mixer. The built on Feeder Type 205 takes the hair material over a catching funnel into the conical mixer.

Technical Data

Size	medium weight kg
I	20
II	30
III	40
IV	50



Conical Hairmixer Type 204

This Catching Funnel which is mounted on the conical mixer Type 204 is intended to function as a connecting link between the feeder Type 205 and the mixer 204 and has been designed in a way that any cloggings can be remedied easily.

The interspersing time at the Conical Mixer Type 204 is manifoldly longer than the mixing time at the mixing drum. 25 kgs of hair material require about 30 to 60 minutes till they have passed the conical mixer.

In the hair box 204 there are two sieve drums, which transport the air out of the box. Both sieve drums are sucked off by an exhaustor. Thereby, the dust inside the hair material is removed perfectly

The hair-material, having been taken out from the hair box is, in most cases, filled into hair transporting cases and taken to the individual blowing machines.

The complete installation has been designed such that one single operator puts together the mixtures and operates the entire hair preparation. He will be able to handle up to 400 to 600 kgs of hair material within 8 hours. Information on arrangements possible and the space required, are given upon request.

Technical Data

Capacity of Connexion: approx. 5,8 – 9 kW (7 motors)

Exterior

