

TEKA涡轮盘式混合机先进的混合技术经济地用于玻璃配料 TURBINE PAN-TYPE MIXERS THZ Glass Batch Preparation



TEKA turbine pan-type mixers THZ are pan mixers for batching operations, and are available in sizes from 250 to 7500 liter filling capacities.

The mixing pan floor and the outer walls are protected by exchangeable wear liners made of A.R. steel plate. For special applications, liners made of chrome-nickel alloyed or rust-free steel are also available.

The spring-loaded mixing arms are mounted in the rotor head, and are adjustable to compensate for wear. This, plus their various angles-of-attack enhance the mix-effect, reduce wear, and protect the drive from shock.

Depending on the application, mixing paddles, wall scrapers, and mixing arm wear guards made of various abrasion-resistant materials are available. These include cast-iron W4, with complete tungsten-carbide surface, polyurethane-elastomere (PU) and nickel-free special casting.

The turbine pan-type mixers THZ 250 employs permanently lubricated, flanged gear motors for drive and discharge functions.

The centrally located planetary gearbox is driven by a 3-phase TEFC motor, which is flange-mounted directly to the gearbox, in the case of turbine pan-type mixers THZ 375 to THZ 1125 mixers, and connected by a double universal-joint driveshaft on turbine pan-type mixers THZ 1500 to THZ 7500 models. A hydraulic turbo-coupling for soft starts under load is available also.

Flanged to the gearbox, and driven by it, is a hydraulic gear pump which constantly cycles the oil, and supplies the pressure to operate the discharge gate(s).

TEKA涡轮盘式混合机 THZ是配料用的盘式混合机，规格从250升到7500升。

混合机底盘和外衬板为由A. R. 钢制成的可换式衬板。针对特殊的要求，也可用镍铬合金或不锈钢材料。

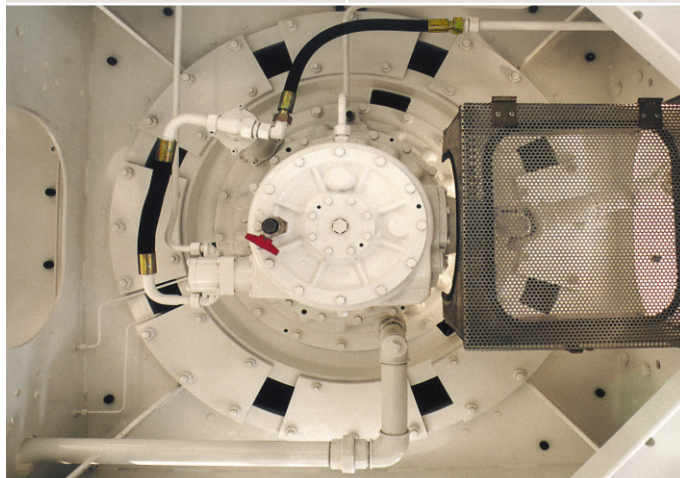
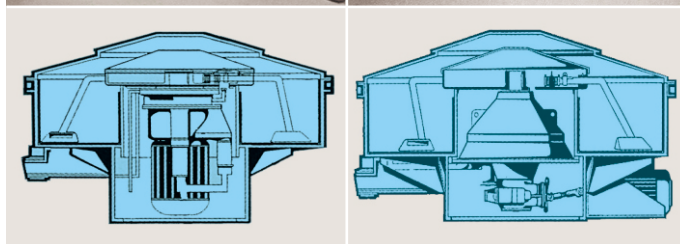
装有弹簧的混料臂安装在转子头上，并可以调节用以补偿磨损，加上它们的多种搅拌角度，使得混合更加有效，并减少磨损和保护动力装置免于震动。

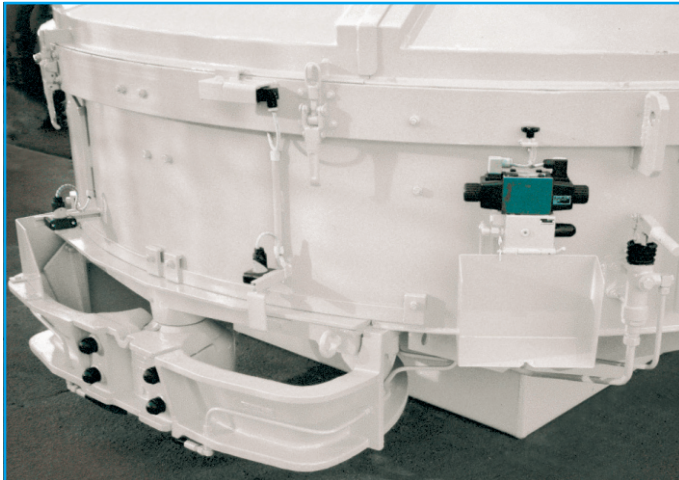
根据各种用途的要求，混合耙，刮板和混合臂的保护板可以用各种耐磨材料制成。包括铸铁W4，全硬质合金表面，聚亚安酯和不含镍铸件。

THZ250采用永久性润滑，法兰上齿轮马达用于驱动和排料功能。

位于中心的行星齿轮箱是由3相TEFC马达驱动的。如果是THZ375到THZ1125型混合机，马达直接安装在齿轮箱法兰上，而从THZ1500型到7500型，是用一对万向联轴器连接的。也可以用液力耦合以达到负载下的软启动。

安装在齿轮箱法兰上并由它驱动的液压齿轮泵，不断地循环油路，并提供压力用以操作排料门。





用于将配料排出混合机的排料门，其装配是完全用螺栓固定在底盘上的一个部件。半圆弧的门是通过旋转的活塞缸来液压驱动，用电来控制，能被操作到任意的角度。

The discharge gate assembly, used to remove the batch from the mixer, is a complete component bolted to the mixer pan floor.

The semi-circular gate is hydraulically operated by means of a rotating piston cylinder. It is electrically controlled, and can be opened to any degree desired.

为了把排料门开得大和排料快，所以把排料门的支点稍微偏向底盘圆周以内。

Locating the pivot-point of the gate slightly inside the pan circumference allows for a large opening and, thereby, a fast discharge.

作为选择，排料门也可独立于混合机动力，通过其它液压源单独开启。

As an option, the discharge gate can be opened, independent of the mixer main drive, via a separate hydraulic aggregate.



从THZ375到THZ1125可以最多安装4个排料门，而THZ1500到THZ 7500最多可开3个排料门。

Mixers THZ 375 to THZ 1125 may be equipped with up to 4 gates, whereas 3 gates is the maximum for THZ 1125 G to THZ 7500.

配有取样门。

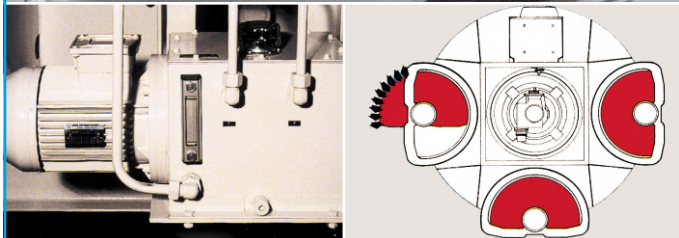
Sampling gates are available.

在混合机的上方有保护性的罩盖，罩盖内装有密封条起防尘作用。

A protective cover encloses the mixer on top. A built-in seal makes it near-dustproof.

可提供更大的，铰接的开启盖，采用人工或马达卷扬机升降。

Large, hinged segments with variable positioning are possible, raised and lowered by a manual- or motorized cable winch.

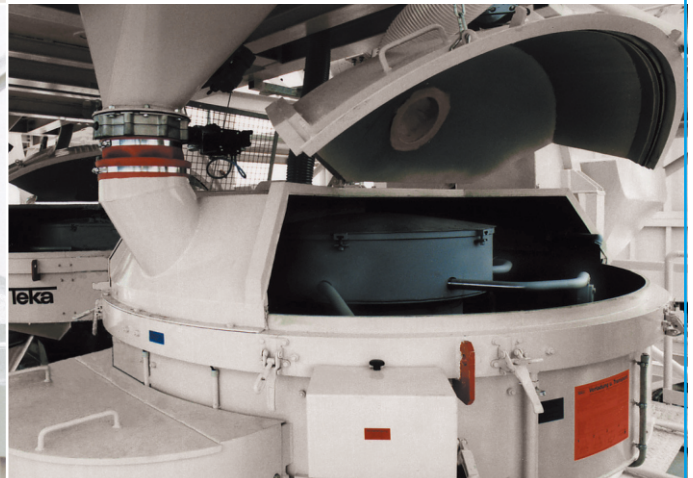
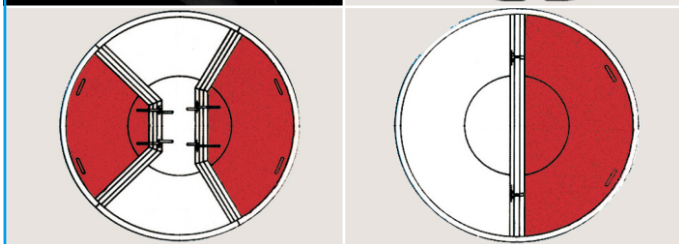


由于罩盖上方没有其他元件，就没有障碍物来妨碍进入混合盘去清扫开启盖，检测门，进料口等。

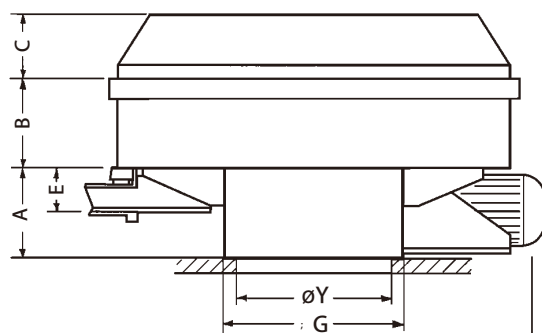
With no components located above the pan cover, there are no obstructions to impede the arrangement of cleaning segments, inspection doors, material inlets, etc. into the mixing

蒸汽的注入通过旋转的喷枪，可根据用户要求选择。

On request we can supply steam injection through rotating lances.

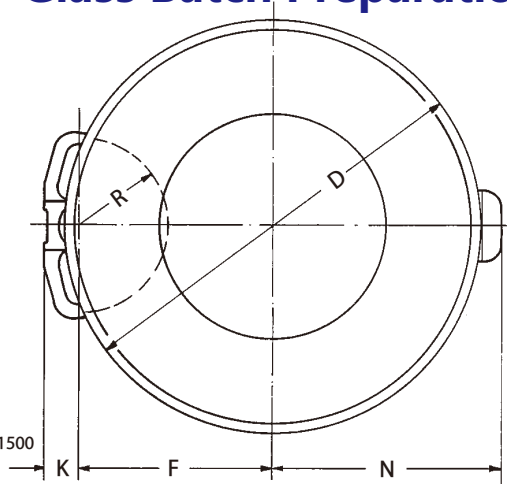


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ØY: Assembly for gear box
ØY: 装配齿轮箱

From / ab THZ 1500



All dimensions in mm. For installation into an existing plant, request a certified drawing.
Specifications reflect the present state of technology and are subject to change with future development.
尺寸单位: mm。为现有生产线安装时, 请提供认证过的图纸。

Dimensions / 尺寸	THZ	A	B	C	D	E	F	G	K	N	R	Y				
	250	350	500	300	1354	-	780	600	-	-	400	500				
	375	450	485	370	1700	215	765	700	170	-	400	550				
	500	550	485	410	1900	215	860	860	170	-	400	650				
	750	650	500	473	2210	235	1000	1000	207	-	450	750				
	1125	475	500	430	2520	265	1175	1100	207	-	525	900				
	1500	550	550	430	2520	265	1175	1100	207	1427	525	1050				
	1875	550	600	380	2872	320	1350	1300	215	1423	600	1150				
	2250	650	650	330	2992	320	1410	1300	215	1678	600	1150				
	3000	650	650	440	3370	321	1575	1500	230	1862	700	1350				
	3750	800	800	310	3840	321	1800	1600	230	2317	700	1350				
	4500	800	800	310	3840	321	1800	1600	230	2456	700	1350				
	5250	800	800	320	4350	321	2060	1800	230	2400	700	1350				
	6000	800	800	500	4660	321	2210	2000	230	2450	700	1650				
	7000	850	950	500	4660	321	2210	2000	230	2615	700	1650				
	7500	850	950	500	4660	321	2210	2000	230	2782	700	1650				
	THZ	250	375	500	750	1125	1500	1875	2250	3000	3750	4500	5250	6000	7000	7500
Filling quantity mixer	litres	250	375	500	750	1125	1500	1875	2250	3000	3750	4500	5250	6000	7000	7500
容量	升	250	375	500	750	1125	1500	1875	2250	3000	3750	4500	5250	6000	7000	7500
Filling quantity mixer (at 1.2kg/ dm)	kg	300	450	600	900	1350	1800	2250	2700	3600	4500	5400	7140	6300	8400	9000
容重(比重1.2kg/ dm)	千克	300	450	600	900	1350	1800	2250	2700	3600	4500	5400	7140	6300	8400	9000
Mixing cycles	per hour	15 – 20														
混合周期	每小时	15 – 20														
Drive power mixer	kW	7, 5	11	15	22	30	37	45	55	75	90	110	132	160	200	250
马达功率	千瓦	7, 5	11	15	22	30	37	45	55	75	90	110	132	160	200	250
Speed of rotor	rpm	35	37	30, 5	29	29	20	20	18, 5	18, 5	18, 5	18, 5	18, 5	18	17	17
马达转速	转/分钟	35	37	30, 5	29	29	20	20	18, 5	18, 5	18, 5	18, 5	18, 5	18	17	17
Water flow meter pressure	bar	4 – 6														
水压	大气压	4 – 6														
Weight of mixer	kg	900	1500	1900	2500	3500	4200	4600	6500	7100	9500	10300	11600	15000	17500	18000
混合机重量	公斤	900	1500	1900	2500	3500	4200	4600	6500	7100	9500	10300	11600	15000	17500	18000

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