



天河水务

GTF型一体化溶解加药装置

TYPE-GTF INTEGRATED DEVICE FOR DISSOLVEING AND CHEMICAL FEEDING

用 途 Applications

GTF型一体化溶解加药装置是一种将粉状药剂配制成为一定浓度的药液，并将其准确投加至加药点的先进的加药系统，主要用于给水系统、循环水系统、污泥脱水系统中高分子聚合物溶液的制备与投加。

It is an advanced liquid-feeding system to make a chemical powder into liquid with a certain concentration, then accurately pure it to the chemical feeding point. It is mainly used for the preparation and feeding of high polymer liquor in water-supply and-drain system, backwater system and sludge-dewatering system.

工作原理及构造 Working Principle and Strucre

料斗中的粉状药剂经定量供料装置送入混合器中，与水进行完全混合后进入溶液箱中，混合液经多次搅拌后混匀成规定投加浓度的溶液，最后进入贮液室内，经计量泵投加至加药点。

主要组成部分：料斗、振动系统、干粉定量投料器、进水系统、搅拌机、支架、溶液箱、扶梯及计量泵等组成。

The powder in hopper is sent to the mixer passing the calibrated feeder and mixed fully with water, next goes into the solution box. The mixed liquid forms into a liquid with a mean concentration through stirring for many times, then enters the solution storage chamber, finally will be poured to the medicine-feeding point by the measuring pump.

Main components: hopper, vibrating system, calibrated feeder for dry powder, intake system, stirrer, brackets, solution box, staircase, measuring pump and the like.

特 点 Features

- 集自动配料、溶解、投加于一体，全自动运行，连续制备与投加。
 - 定量投药装置计量准确，采用无级变速器驱动，可方便调整供料量，配制药剂浓度范围大。
 - 具有液位控制、物料检测、振动辅助下料等功能，自动化程度很高。
- Integrating automatic dosage, dissolve and feed into one body and operating fully automatically. Preparation and dosage are continuous.
 - Accurate calibrated feeder, driven by stepless speed changer and it can easily adjust the quantity of feedings and make up the concentration of liquor in a large scale.
 - It has the functions of controlling liquid level, checking medicals, feeding aided by vibration, etc. and high automation as well.

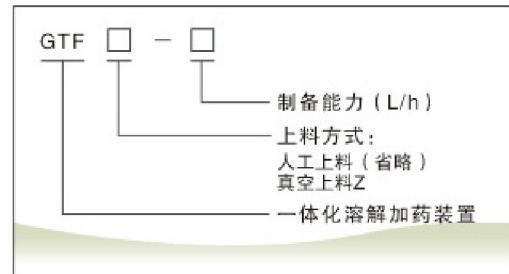
技术性能参数表 Technical Parameters Shape

项 目		型 号	GTF1000	GTF1500	GTF2000	GTF2500	GTF3000
制备能力 (L/h)	熟化时间一小时		1000	1500	2000	2500	3000
整机功率 (kW)			2.2 (3.4*)	2.8 (4.0*)	3 (4.2*)	3.3 (4.5*)	3.7 (4.9*)
PAM干粉投加量 (kg/h)		2 ~ 10		3 ~ 15		3.5 ~ 20	
进水量 (×1000L/h)		0.5 ~ 1.5		1 ~ 2		1.5 ~ 2.5	
外形 尺寸 (mm)	L	2000		2500		3000	
	B	900		1000		1200	
尺寸 (mm)	H ₁	850		850		1000	
	H	2700				3000	
	B ₁	250		300		400	
	D	25		25		25	
	D ₁	20		20		25	

注：投加的药剂为有机高分子聚合物，配制浓度2~5%，熟化时间一般为1~2h，整机功率不包括计量泵功率。

*为配带真空上料功能 (GTF2型) 的功率。

型 号示例 Type and Its Indication



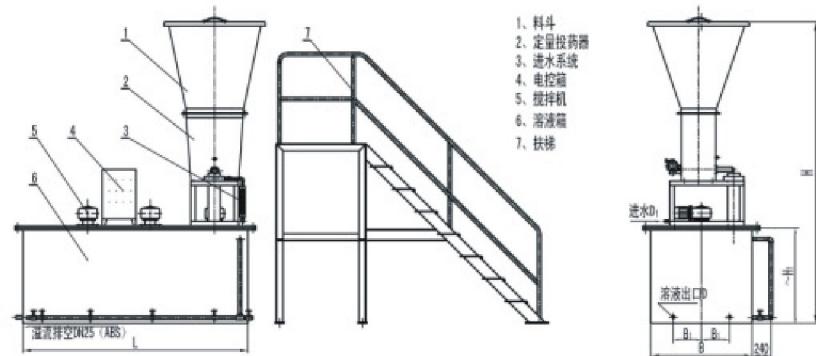


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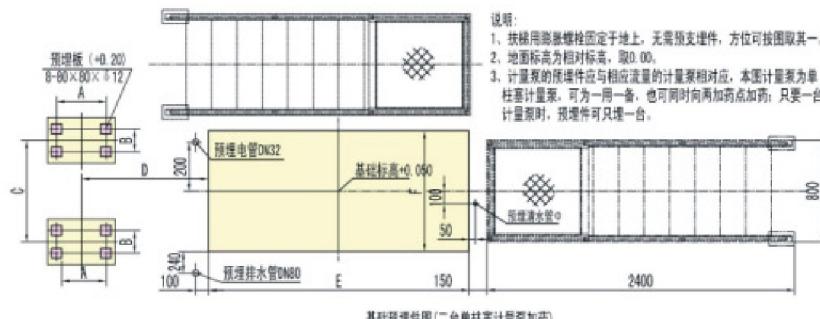
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● 外形尺寸表 Shape and Size Parameters

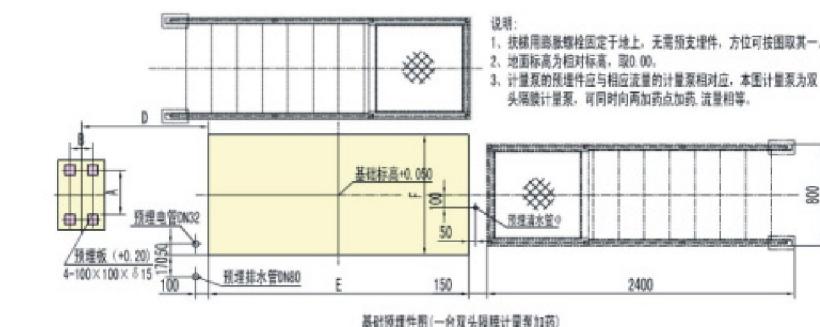


稀释装置



(mm)

型号	E	F	Φ
GTF1000	2050	950	DN25
GTF1500	2550	1050	DN25
GTF2000	2550	1250	DN25
GTF2500	3050	1250	DN32
GTF3000	3050	1550	DN32

● 计量泵预埋件尺寸图
Size for Preembedded Part of Metering Pump

项目 尺寸 (mm)	单柱塞计量泵 流量范围 (L/h)		双头隔膜计量泵 流量范围 (L/h)
	200 ~ 1000	1000 ~ 2500	1000 ~ 3000
A	350	520	520
B	180	260	450
C	≥800	≥1000	
D	≥650	≥860	≥700

● 订货说明 Requirements for Order

- 注明配制药剂名称、浓度范围。
- 注明计量泵类别、最大流量及数量。
- 若需变频调速计量泵、请注明。
- Note the names and range of concentration of the agents to be prepared.
- Note the type, maximum volume and number of every metering pump.
- Note should be made when the metering pumps needs speed changer with frequency conversion.