

# VT300 Inline Homogenizer-Ordering Information



## Modular "Dyna-Flyer" Inline Homogenizer Systems

Choose from shaft-generator assemblies to create the perfect system for your current application—  
Shaping the homogenizer future !

-Customize your own system by choosing a variable-speed motor and a shaft depending on the viscosity of your sample  
-Quick processing protects your samples from heat damage

-Quickly process volumes flow rate from 30,000 l/h to 185,000l/h

Model :VT300-03~ 50 Type: Vacuum or Pressure Tank with lantern Seal Type: Single ,Double Mech Seal Warranty & Electricity Compliance:

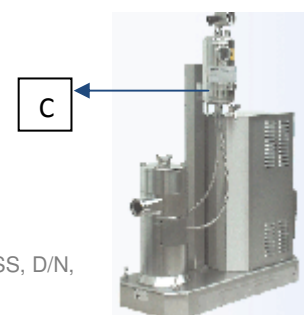


### A. Motor Drive and Technical Data

Built-in variable-speed pulley lets you adjust speed from 0 to 6,000 rpm. Motors can be mounted on a lantern ( vacuum or pressure type) or direct mount on tank . Maximum generated vacuum at the powder induction is approx. 25 mbar. Capable of operating under pressure up to 16 bar and temperature 175C

To process higher volumes and viscosity up to 5,000L and 80,00cps.

**What's included:** 3-phase motor ( normal or TEFC, flame proof, ATEX approved), stator and rotor generator set. The 110-120 VAC VFD inverter - US plug; the 220-240 VAC VFD inverter- European plug, User operation Manual, Accessory kit to open the stator rotor generator. All sanitary screw or flange fittings available on request (e.g. ISS, D/N, RJT, SMS, Tri-clamp, etc.)



Model :VT310-1.5~ 50

Type: Vertical with Cooling or Heating Chamber Compliance: pharmaceuticals manufacturing equipment's guidelines and standards:-  
1. complete self drainings complies CIP, SIP & 3A standards.  
2. Finest surface finished up to Ra 0.4.  
3. High-value seal with wear-resistant materials non-contact with products  
4. Explosion protected executions according to ATEX 95 guidelines deliverable.



Model	Order No.	Motor Power(kW)	Application volume flowrate l /h (water)	Speed range(rpm)	Stator Diameter (mm)	Max Tip Speed (m/s)	Inlet / Outlet size (mm)	Weight (kg)
VT300-03	271010000	2.2	Up to 30,000	3,000	38	16	DN32 / DN25	60
VT300-05	271010100	4.1	Up to 45,000	3,000	48	18	DN40 / DN32	75
VT300-10	271010200	7.45	Up to 65,000	3,000	68	23	DN50 / DN40	170
VT300-25	271010300	18.6	Up to 80,000	3,000	98	27	DN65 / DN50	400
VT300-30	271010400	22.37	Up to 130,000	1,500	168	30	DN100 / DN80	450
VT300-50	271010500	37.3	Up to 185,000	1,000	228	38	DN125 / DN100	650
VT310-05~75	271010600~271010900	5 ~ 75	3,000~125,000	1,200~6,000	55~300	18~25	DN40 /DN32 ~DN150 / DN125	65~750

- IH610-05~75 are the vertical type inline homogenizer with propeller driven the flow of product's medium.

### B. Cooling & Sealing System Assemblies

Different standard working chambers such as single (one rotor/stator dispersing generator) and multi-stage (up to three generators), with and without cooling/heating jacket and different piping connections are available (customer specific design on request). For the shaft seal, single or double mechanical seal systems can be chosen and designed to product characteristics (customer specific design incl. cartridge type systems on request). Temperatures : ranging from - 40°C up to 175°C

Model	Description /Order No. Chamber & Sealing type for Choice			
VT300-SE				
	Single Chamber	Jacketed Cooling / Heating Chamber	Single Mech Seal Temp.: 150°C	Double Mech Seal Pressure:15 bar Temp.: -40°C~ 175°C
	758710000	758720000	758730000	758740000

### C. Optional Stator-Rotor and Accessories Parts

Replacement for stator generators customize your system to your unique processing requirements. Choose from the below interchangeable rotor-stator generators to add to a shaft-generator assembly or replace the worn generators.

VT300-AC



**Shear Sensitive with one tooth row each**  
 • general mixing applications for sauces, dressings, gels, vitamin drinks, Fruit ,pre-crushing of coarse-grained suspensions Juices, Marmalade, Sugar solutions, Dyes, Binders, Moten resins, Lotions, Adhesives, Stabilizers

Order No. 981010000



**Medium Fine with 2 teeth row each**  
 polymer emulsions, extractions  
 • precipitation of solids  
 • desagglomeration  
 • mayonnaise

981020000



**- Fine with 3 teeth row each**  
 • ointments, cremes, emulsions  
 • vaccines, polymer emulsions  
 • pigment suspensions  
 • tissue extraction, desagglomeration

981030000



**High Fine with 4 teeth row each-**  
 • micro emulsions, micro encapsulation  
 • micro suspensions  
 • metal oxide suspensions

981040000

Please contact us for more info and quote :

