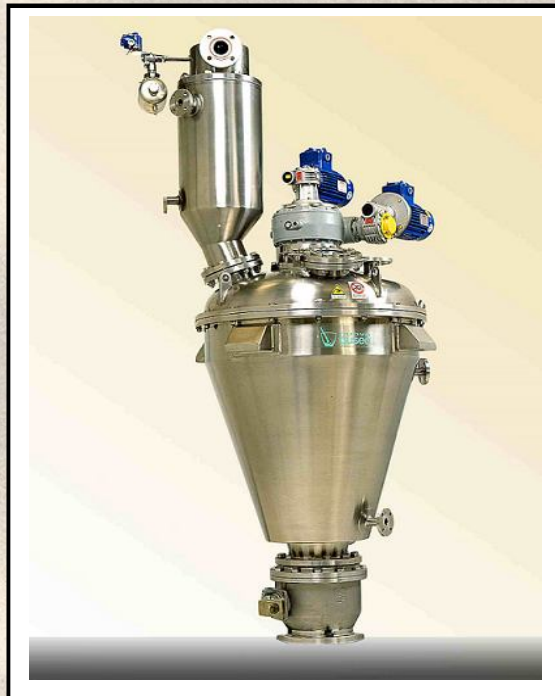


NUOVA GUSEO
CONICAL SCREW VACUUM DRYER



NUOVA GUSEO s.r.l. – COSTRUZIONI MECCANICHE
Sede e Stabilimento: Via Dante 8
29010 Villanova sull'Arda (Pc) Italy
Registro Imprese PC, Codice Fiscale e Partita IVA:
IT 00310330337
N. R.E.A.: 97797 Capitale Sociale EURO: 10.400,00 i.v.

Tel.: +39 (0)523 837149 – 837187
Fax: +39 (0)523 837498
E-mail: nguseo.commerciale@tin.it
Website: www.nuovaguseo.eu

CONICAL SCREW VACUUM DRYER

The **conical screw vacuum dryer series MGVP/V** is a batch dryer suitable for mixing and drying materials such as powders, granules, pastes and viscous slurries, especially when products contain solvents.

The system is composed by:

Upper cover, flanged and insulated, designed to withstand vacuum and the dynamic load on the engine.

On the upper cover are allowed at least the nozzle for product loading, two sight glasses (n° 1 with lamp), the connection nozzle for the filter, the nozzle for inerting, spray balls, 360° pattern in fixed position and telescopic for cleaning, other connections upon request.

Conical-shaped body flanged at the ends, complete with **cooling-heating jacket** at atmospheric pressure and welded insulation watertight. Variable useful exchange surface.

On the sides are provided the **nozzles for input / output of diathermic oil or heating fluid**, the **temperature probe** and the **shelves** for the support of the existing structure.

Spiral screw agitator, supported at the top by proper arm that transmits the rotation movement of the screw on its axis and, at the same time, accompanies it in the revolution movement around the cone walls, without bottom support. **Heated version upon request**

Vacuum resistant **sliding door** or alternatively **segment ball valve** with pneumatic actuator, double acting

Insulated and jacketed filter with removable lid to allow the extraction of the filter bag from the top.

On top of the lid are provided the **nozzles for vacuum and vent**.

The cleaning of the filter modules takes place via reverse flow of N₂ managed by relevant control unit.

Gasket in PTFE packed Silicone between the flanges.

Lip seals on rotating parts in **Gylon (FDA app.)**

The unit has to be implemented with Heating/cooling group, Pre-condensation group, Vacuum pump, Post condensation-group

Available for installation in ATEX rated area 

Example of already installed system



Detail of the screw heating system

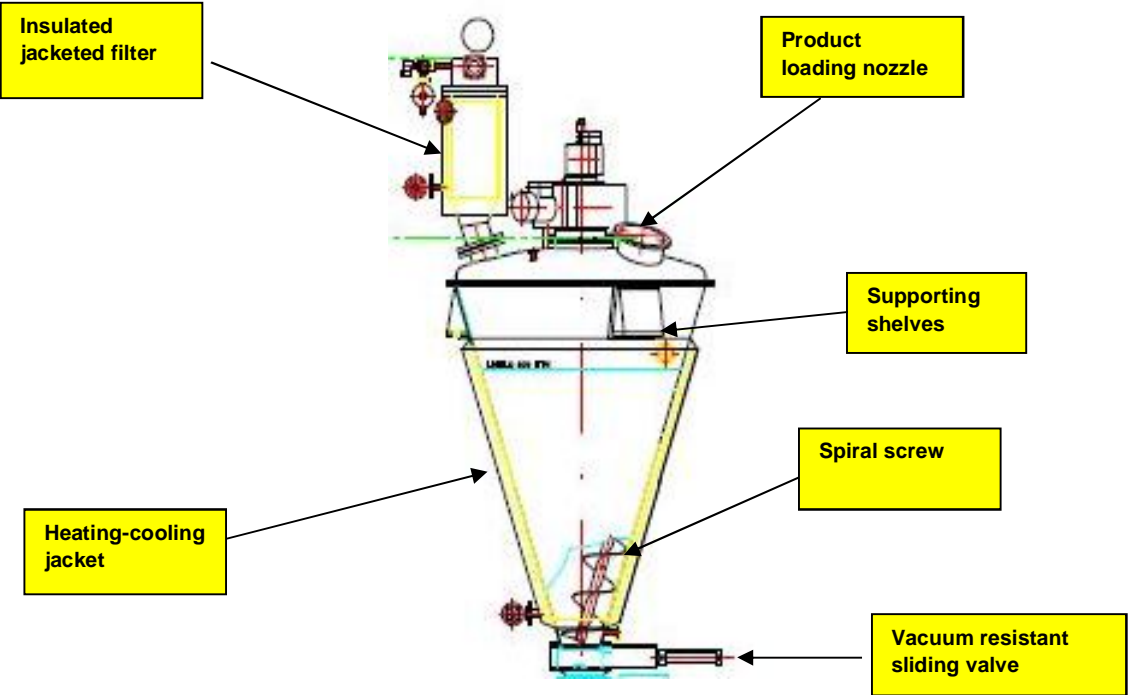


Detail of the upper cover external part



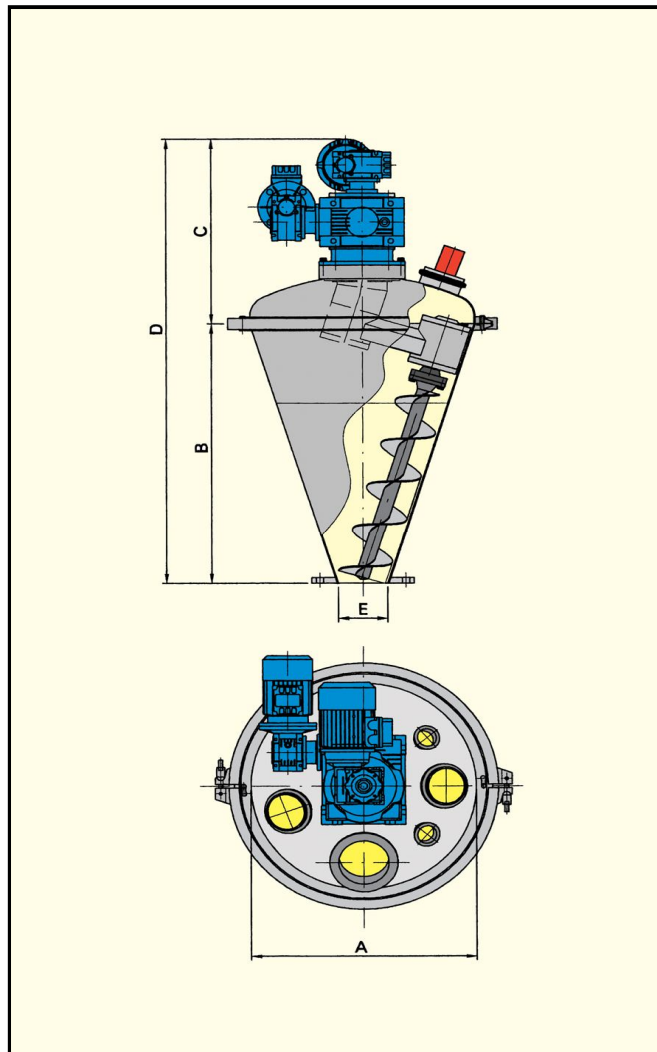
Detail of the upper cover internal part with screw agitator

Diagram of the system



DIMENSIONING DATA*

*indicated dimension are intended in mm



MOD.	I.(1)	A	B	C	D	E
MG01VP	10	378	489	413	902	80
MG03VP	30	546	685	496	1181	125
MG05VP	50	646	862	515	1377	125
MG1VP	100	812	1104	697	1801	150
MG2VP	200	1023	1366	738	2104	200
MG4VP	400	1286	1836	789	2625	200
MG5VP	500	1384	2013	808	2821	200
MG10VP	1000	1746	2428	1078	3506	300
MG15VP	1500	1998	2878	1127	4005	300
MG20VP	2000	2199	3190	1166	4356	320

(1) EFFECTIVE CHARGE VOLUME