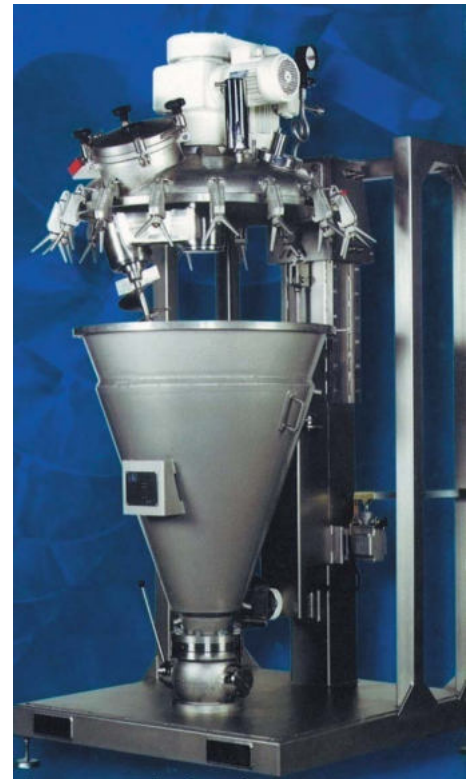


## PRINCIPLES

Construction is double jacket type that it is able to heat or cool by heating media or cooling media for withstanding vacuum pressure.

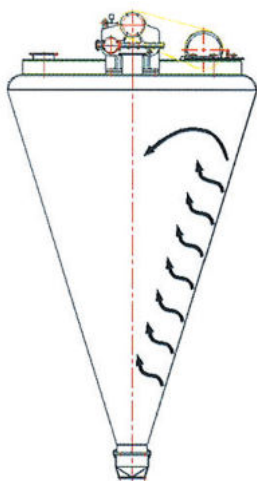
This equipment is consist of Bag filter, Condenser, Vacuum pump and Chiller unit. The drying time is from three to six hours to vaporize & condensate for solvent rapidly.

Jacket 구조의 케이싱은 열매 또는 냉매로 가열 및 냉각이 가능한 구조와 진공에 견딜 수 있는 설계로 되어있습니다. 주변 장치로는 Bag filter, Condenser, Vacuum pump, Chiller unit 등으로 구성되어 있습니다. 약 3~6시간 이내의 빠른 건조 시간과 Solvent 건조 및 회수에 유용하게 사용됩니다.

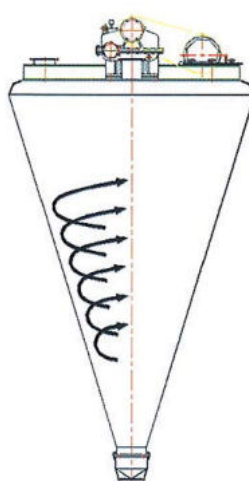


## THREE KINDS ACTION

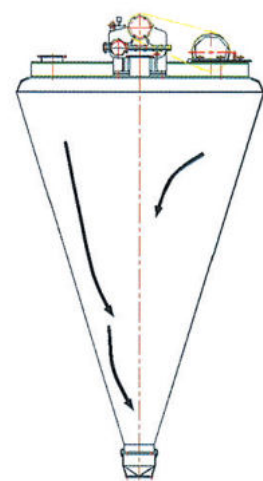
1. Upwards action (분체의 상승운동)
2. Horizontal circular action (분체의 나선운동)
3. Downwards action (분체의 하강운동)



1. Upwards action  
(분체의 상승운동)

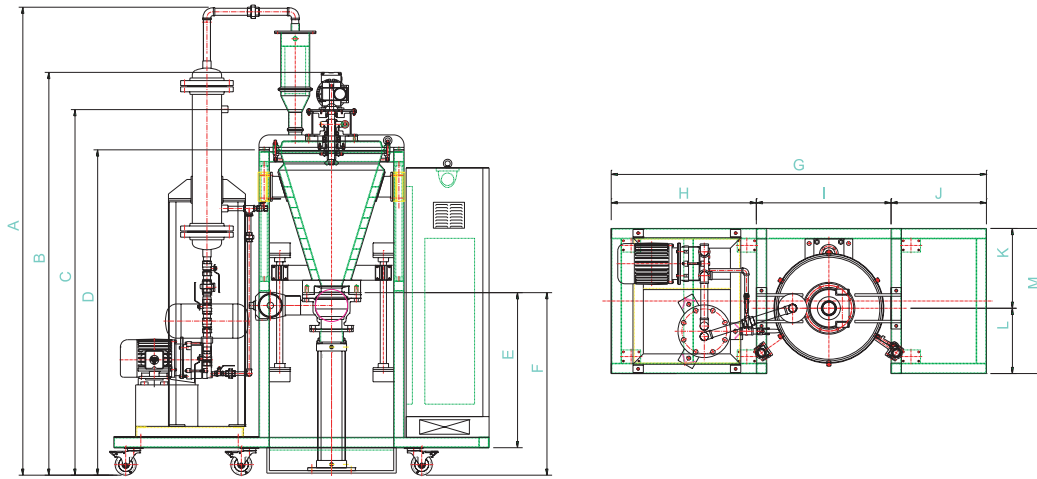


2. Horizontal circular action  
(분체의 나선운동)



3. Downwards action  
(분체의 하강운동)

## SPECIFICATION



| Model  | CAPACITY | A    | B    | C    | D    | E   | F   | G    | H   | I   | J   | K   | L   | M   |
|--------|----------|------|------|------|------|-----|-----|------|-----|-----|-----|-----|-----|-----|
| VDN-30 | 30       | 2000 | 1910 | 1565 | 1300 | 748 | 880 | 1810 | 700 | 650 | 490 | 385 | 315 | 700 |
| VDN-50 | 50       | 2250 | 1910 | 1765 | 1570 | 748 | 880 | 1810 | 700 | 650 | 490 | 385 | 315 | 700 |

|                                               |                                                                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Machine Type                                  | NDV-30/50                                                                                                                               |
| Material Product Contacted                    | S.S 304 or 316L                                                                                                                         |
| Material Non Product Contacted                | S.S 304                                                                                                                                 |
| Working Volume/Total Volume                   | 20/50                                                                                                                                   |
| Max. Diameter                                 | 570                                                                                                                                     |
| Total Height [mm]                             | Approx. 1500                                                                                                                            |
| Total Weight [kg]                             | 600                                                                                                                                     |
| Finish inside Ra [ $\mu m$ ]                  | >0.8                                                                                                                                    |
| Motors [kW]                                   | 1.1                                                                                                                                     |
| Motors [Explosion Proof]                      | Exe or Exd                                                                                                                              |
| Screw support                                 | no                                                                                                                                      |
| Design/Operating Press. Vessel [bar]          | -1/+1                                                                                                                                   |
| Design/Operating Temp. Vessel [ $^{\circ}C$ ] | +100 / <100                                                                                                                             |
| Design/Operating Press. Jacket [bar]          | 3                                                                                                                                       |
| Design/Operating Temp. Jacket [ $^{\circ}C$ ] | +100 / +100                                                                                                                             |
| Filter housing                                | yes                                                                                                                                     |
| Insulation Jacket Vessel                      | yes                                                                                                                                     |
| Shut-Off Valve                                | Ball segment valve DN100                                                                                                                |
| Accessories                                   | Heating & Cooling unit<br>Vacuum unit/Recycle of solvent<br>CIP unit(cleaning nozzle)<br>PLC control / Touch screen<br>Safety Interlock |



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**DAEGA POWDER SYSTEMS CO., LTD.**  
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