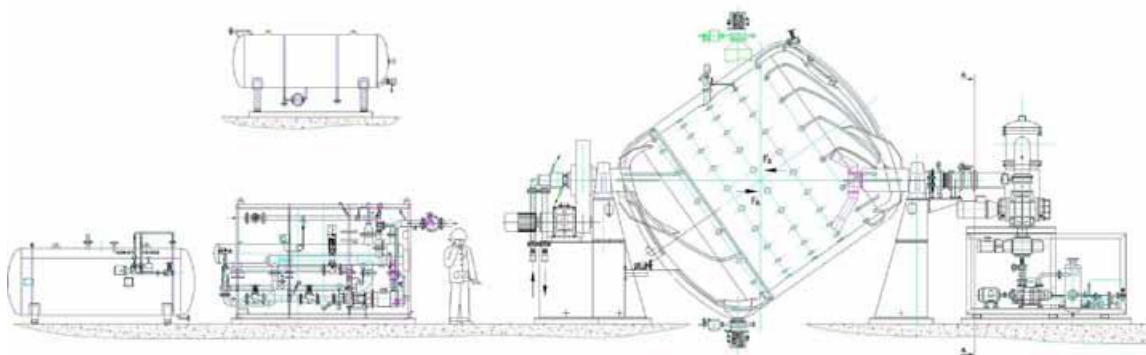


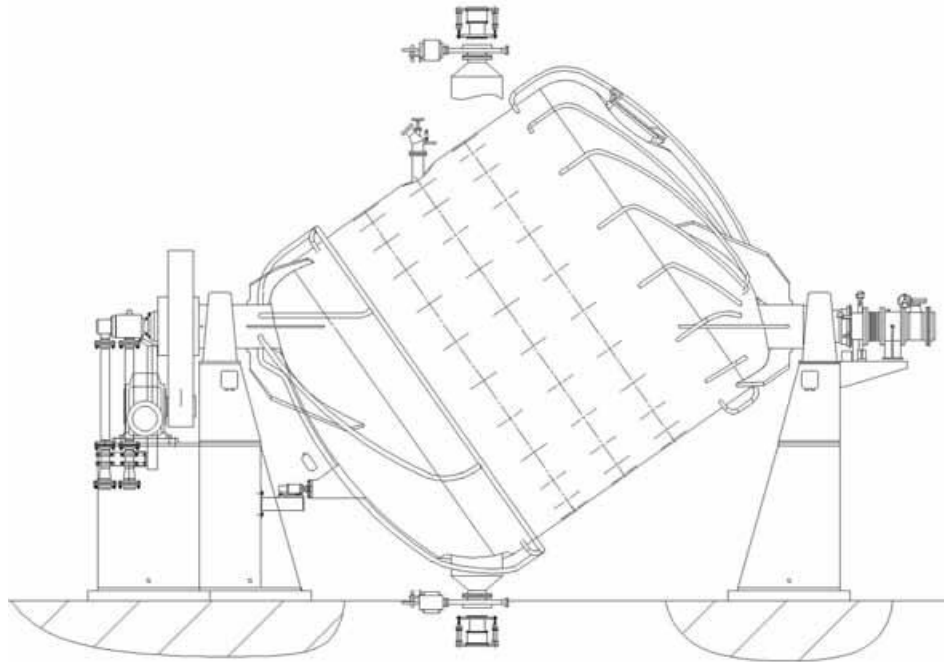
Vacuum Tumbler Reactor: 배치식 고상중합(BATCH SSP)

Bottle to Bottle FDA승인 PET재생라인

1. 주요 처리 소재: PET, PBT, PEN, PA6, PA66 etc
2. 주요 용도: Bottle, Fiber, Industrial Yarn(광케이블, 타이어코드, 에어백, 필터소재, 어망 등)
3. 공정: 고상중합 공정은 1mbar absolute의 진공하에서 최대 250°C로 가열이 됩니다.
공정은 Batch공정으로 이루어지며, 저희는 이 분야에서 200대 이상의 실적을 가지고 있고, 국내에도 다수의 실적을 보유하고 있습니다.



1. Reactor
2. Heating/cooling system
3. Vacuum pump station
4. Automatic operation (for automatically filling and discharging the reactor)
5. Control system with switch cabinet



Type	Filling with pellets ¹⁾ in kg	Output drive motor ²⁾ in kW	Heating power ²⁾ in kW	Suction capacity vacuum pump station ²⁾ in m ³ /h
TTR 16	~ 9,500	9	210	~ 4,000
TTR 24	~ 14,300	15	280	~ 4,000
TTR 36	~21,400	22	350	~ 8,000
TTR 44	~26,200	30	500	~ 12,000

¹⁾ ...Material with a bulk density of 0.85 kg/l

²⁾ ...Final specification is dependent on the process

Additional data:

Speed range	0.5 to 2 rpm
Vacuum	< 1 mbar abs.
Leakage rate	< 0.1 mbar ³ /s
Maximum operating temperature	250 °C

The reactor

For heating of the plastic pellets, the reactor is equipped with a double jacket through which the tempered heat transfer oil flows. The oil is fed in through a rotary joint on one of the two shafts. The opposite shaft is connected to the interior and is used to extract the vapors.

The reactor is actuated by a reduction gear and can revolving within a speed range of 0.5 to 2 rpm - depending on the requirements of the process.