



The CY-QH pneumatic mixer uses air flow as the mixing power: compressed air is blown uniformly into the vessel through a porous fluidizing plate, the powder is fluidized and suspended, forming a bottom-to-top convective circulation that achieves uniform yet gentle three-dimensional mixing. There are no moving parts inside the vessel, so the material is treated gently without breakage and the equipment is maintenance-free; after mixing, it discharges directly into a positive-pressure or unpressurized conveying system. It is particularly suited to fluidizable food and chemical materials such as baking ingredients, coffee powder, milk tea powder, seasonings and additives.

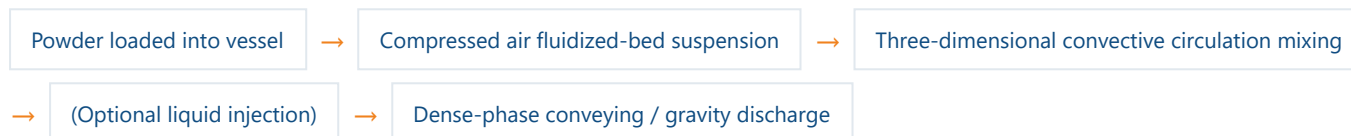
Structural Composition: cylindrical mixing vessel (carbon steel / stainless steel) + bolted porous fluidizing plate (polyethylene or sintered stainless steel) + multiple flanged ports for connecting conveying units + large inspection door. Optional pressure-tight version (for positive-pressure conveying connection) or unpressurized version (gravity discharge), with nozzle and weighing module options.

Key Features

- ◆ Air-fluidized mixing with no internal moving parts — gentle on material, no breakage, maintenance-free
- ◆ Smooth internal walls with no dead corners, large inspection door for fast, easy cleaning
- ◆ Fluidizing plate available in polyethylene or sintered stainless steel, selected by material and hygiene level
- ◆ Pressure-tight and unpressurized versions, connecting directly to dense-phase conveying for segregation-free discharge
- ◆ Optional nozzles for adding liquids / oils and weighing module for metered mixing
- ◆ Expandable with heating, cooling, drying and humidifying functions

Specifications

Model	Volume (L)	Loading Capacity (L)	Vacuum Air Volume (m³/h)	Compressed Air Consumption (m³/h)
QH-2	200	120	80	2
QH-5	500	300	100	3
QH-10	1000	600	150	5
QH-20	2000	1200	200	8
QH-30	3000	1800	250	10
QH-40	4000	2400	300	15



◆ Optional configurations: high-speed star knife (for breaking agglomerates), reversible fluidizing plate (easy cleaning), fluidized-bed pressure monitoring, weighing system, explosion-proof design, etc.