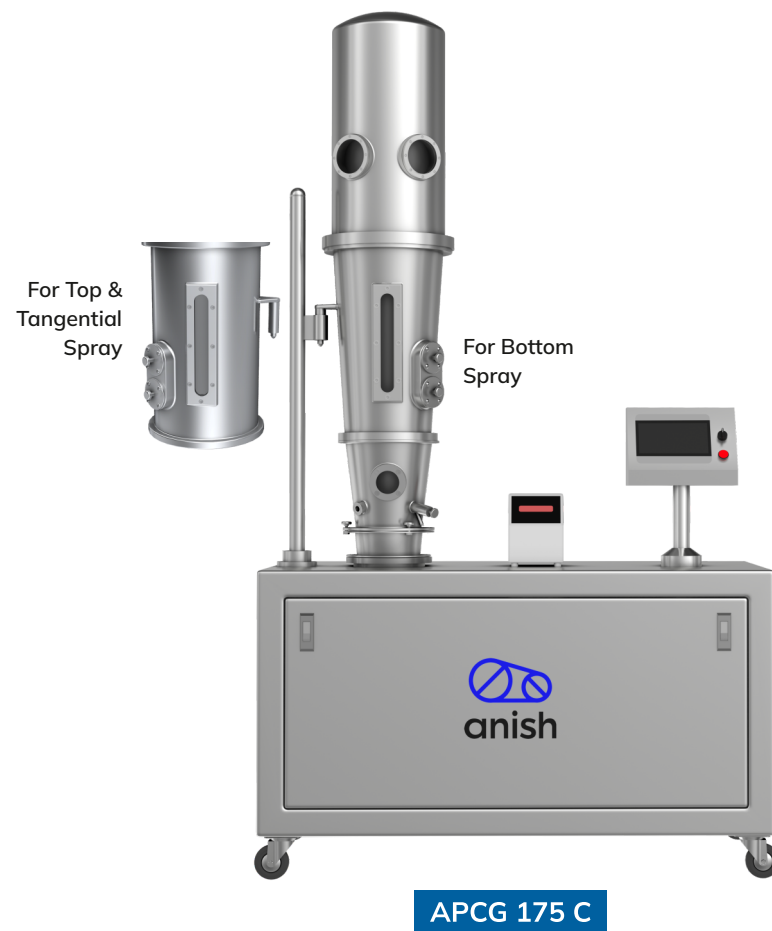


Fluid Bed for Lab



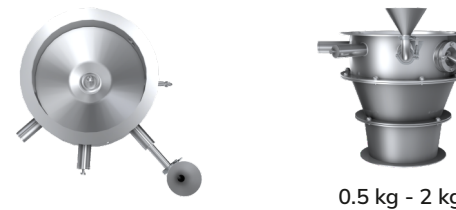
Dryer & Top Spray Containers



Bottom Spray Containers



Tangential Spray Containers



*BD = 0.5 for Top Spray & Tangential Spray, BD = 0.7 for Bottom Spray

AVAILABLE OPTIONS

Filter Cleaning:

- Single Shaker
- Twin Shaker
- Air-purged Inverted Socks

Filter Cloth:

- Anti Static Cloth (5 micron)
- PC Satin Cloth
- Bonnet Mesh Filter (100 / 150 / 200 micron)

Control System:

- HMI + PLC
- HMI + PLC with SCADA 21 CFR Part 11 compliant

Air Handling Unit (AHU) :

- Standard AHU inside machine table (TT)
- Separate AHU for precise humidity & dew point control (SAHU)

Dehumidification System (Separate AHU):

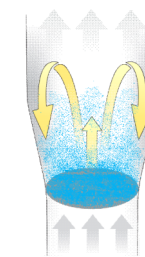
- Chilled Water-based System with Portable Chiller
- DX Refrigerant System
- Desiccant System

Humidification System (separate AHU):

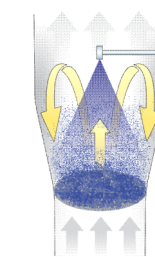
- Portable Pan Type Humidifier
- Portable Clean Steam Generator

Powder Layering Technology:

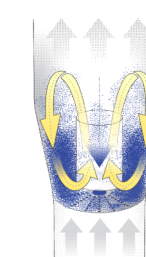
- Power Feeder
- Tangential Spray Nozzle
- Rotor Insert



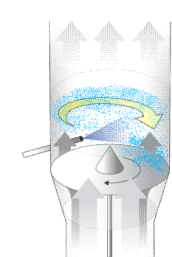
Drying



Top Spray



Bottom Spray



Tangential Spray

anish fluid beds



Fluid Bed for Pilot & Production



AFB - C



ATSG - C



APCG - C

10X range of batch capacities
with the help of air balancing system

2 BAR 12 BAR



GAMP 5
Category 4 Compliant



AVAILABLE OPTIONS

Design:

- Through-the-wall
- Stand-alone

Inlet AHU Construction:

- Single Wall Fabricated
- Double Wall Fabricated
 - Outside GI Inside SS 304
 - Outside & Inside SS 304

Dehumidification System:

- Chilled Water-based System
- DX Refrigerant System
- Desiccant System (dew point upto -40°C)

Exhaust Filtration:

- Police Filter
- Wet Scrubber
- Dry Scrubber
- Solvent Recovery Scrubber
- Incinerator

Filter Cloth:

- Anti-static Cloth (5 to 20 micron)
- PC Satin Cloth
- Bonnet Mesh Filter (100 / 200 / 300 / 400 micron)

Safety Features:

- QASV
- Filter Catch Safety Device
- Flame Proof Conversion
- Earth Surveillance System

Closed Product Discharge



Through vacuum transfer system
using side discharge port

Open Product Discharge

Available up to 250L



Swivelling
Trolley



Movable
Trolley



Tilting
Trolley

Product Charging Ports



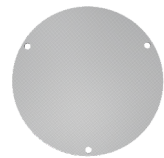
Perpendicular Charging Port
For Dutch mesh type AD plate



Tangential Charging Port
For Conidur or Spin flow plate

Spraying System

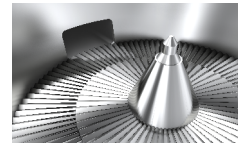
Top Spray



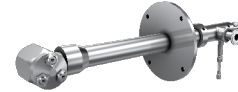
Dutch Mesh



Conidure Sieve



Whirl Plate

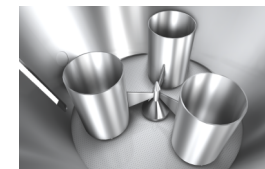


Multi-head
Top Spray Nozzle

Options:

- 1 Head
- 3 Head
- 6 Head
- 7 Head
- 9 Head

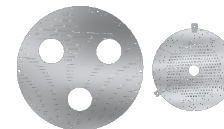
Bottom Spray



Multi-wurster System

Options:

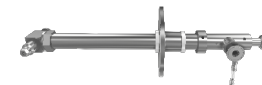
- 1 Wurster
- 2 Wurster
- 3 Wurster
- 4 Wurster
- 5 Wurster
- 6 Wurster



Up Bed & Down
Bed Bottom Plates



High Performance
Nozzle



High Speed
High Efficiency Nozzle

APCG-C	APCG 175C	APCG 225C	APCG 300 C	APCG 450C	APCG 600C	APCG 800C	APCG 1200C	APCG 1250C	
Bottom Spray batch in lit	1.5L to 6L	2L to 21L	3L to 40L	8L to 105L	14L to 176L	35L to 410L	60L to 780L	140L to 855L	
Top Spray batch in lit	3L to 10L	8L to 32L	10L to 47L	25L to 123L	32L to 266L	123L to 600L	295L to 1260L	350L to 1300L	
ATSG-C	ATSG 10C	ATSG 25C	ATSG 125C	ATSG 250C	ATSG 500C	ATSG 800C	ATSG 1000C	ATSG 1300C	ATSG 1600C
Bottom Spray batch in lit	1.5L to 6L	21L to 65L	21L to 102L	35L to 237L	80L to 445L	150L to 670L	150L to 745L	225L to 868L	250L to 915L
Top Spray batch in lit	3L to 10L	21L to 72L	21L to 116L	35L to 286L	75L to 500L	150L to 800L	240L to 1000L	240L to 1300L	300L to 1600L
AFB-C	AFB 2C	AFB 10C	AFB 30C	AFB 60C	AFB 120C	AFB 300C			
Bottom Spray batch in lit	1.5L to 6L	18L to 54L	18L to 150L	51L to 200L	51L to 450L	150L to 900L			
Top Spray batch in lit	3L to 10L	22L to 73L	54L to 220L	110L to 432L	148L to 684L	274L to 1160L			

Maximo of AFB 30, AFB 60, AFB 120, AFB300 on special demand