

BioConnection: new 1.000L line *

Automated filling line in “tunnel” design

Filling line (Groninger)

- ♦ Vial washing machine
- ♦ Depyrogenisation oven
- ♦ 4 needle Filling machine [incl 100% IPC + stoppering]
- ♦ Capping machine

in grade D cleanroom

in grade D cleanroom

grade A open RABS in grade B cleanroom

grade A open RABS in grade D cleanroom

Lyophilizer (HOF)

- ♦ 10.2 m²
- ♦ Automated loading/unloading
- ♦ 7 shelves

grade A open RABS in grade B cleanroom

Capacity

- ♦ Liquids: ~ 30L up to 1.000L/batch
- ♦ Freeze dried: ~ 30L up to 200L/batch
- ♦ Up to 40 million vials/year [2 RDIN, liquid]
- ♦ Up to 4 million vials/year [2 RDIN, freeze dried]
- ♦ Speed [default]: 11.520 vials/hr [2 RDIN]
- ♦ Vial sizes: 2 RDIN up to 50 ml vials

[*] actual scale depends on vial size, filling volume/ vial and whether during compounding cooling is required or not.

**EMA & US-FDA
CERTIFIED FACILITY**



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