SVP COVID-19
Vaccine Formulation

substances
substances
aseptic liquid dosing (API)

+ multiple functional modules available to upgrade your process
+ additional vessel
Example configuration SVP 6021 – for 600 liter batch volume

- Dosage form: parenteral
- Characteristics: adjuvanted vaccines
- Batch volume: 90 - 600 liter (SVP 6021)
- Also available: 50 - 300 liter (SVP 3021) and 40 - 150 liter (SVP 1521)

### Vessel 1 Adjuvant
- 300 L vessel for batch sizes 30 - 300 L
- Ventilation with N₂ headspace inertisation
- TCU heating & cooling ± 2 K in-situ adjuvant sterilization
- Magnetic mixer low shear
- Substance addition via handhole
- Disposable sampling system
- Optional features:
  - Nitrogen gassing
  - TCU heating & cooling ± 1 K in-situ adjuvant sterilization
  - High shear mixer
  - Lifting column up to 50 kg
  - Sampling system reusable
  - Conductivity sensor
  - pH sensor
  - O₂ sensor

### Vessel 2 Buffer
- 600 L vessel for batch sizes 60 - 600 L
- Ventilation with N₂ headspace inertisation
- TCU heating & cooling ± 2 K direct cooling & indirect heating
- Magnetic mixer low shear
- Substance addition via handhole
- Disposable sampling system
- Optional features:
  - Nitrogen gassing
  - TCU heating & cooling ± 1 K indirect cooling & indirect heating
  - Sampling system reusable
  - Conductivity sensor
  - pH sensor
  - O₂ sensor

### Vessel 3 Final Formulation
- 600 L vessel for batch sizes 90 - 600 L
- Ventilation with N₂ headspace inertisation
- TCU heating & cooling ± 2 K direct cooling & indirect heating
- Magnetic mixer low shear
- Dosing pump 100 to 2000 ml/min
- Disposable sampling system
- Optional features:
  - Aseptic dosing of solids (API)
  - TCU heating & cooling ± 1 K indirect cooling & indirect heating
  - Sampling system reusable
  - Conductivity sensor
  - pH sensor
  - O₂ sensor

### Media skid/CIP
- Media skid
  - Integrated clean room wall
  - Operator platform
  - Automation System SIEMENS with 22” HMI Panel
  - Automation sequencer (fixed recipes, parametrisable)
  - Integrated CIP with one detergent
  - Buffer filtration with pre filter and sterile filter
  - Product transfer to filling machines with re-circulation and CIP
- Optional features:
  - Separated productions areas for preparation and final formulation
  - Internal heat exchanger for cold WFI generation
  - Connection for chemical or biological contaminated waste water
  - Zenon batch management system including reporting
Required clean room space

Technical area, class D, 4,5 × 1,8 m

Production area, class C/B

Production area size requirements differ by vessel volume:

- SVP 1521 – for 150 liter batch volume: 4,5 × 3,8 m, room height 3,0 m
- SVP 3021 – for 300 liter batch volume: 4,5 × 4,0 m, room height 3,5 m
- SVP 6021 – for 600 liter batch volume: 5,0 × 4,0 m, room height 3,5 m

- Recommended connection to a Syntegon filling line
- Individual configurations possible within the modular system
- Suitable for other vaccines as well

Contact

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