



**BRIGGS**

# Vaccine Transport Systems

**FOR THE SAFE TRANSPORT OF BULK VACCINES**



Briggs Drums specialises in the manufacture of high integrity stainless steel and aluminium containers. Its drums have been used for many years by leading pharmaceutical companies Worldwide - for both powders and liquids.

The Briggs range of vaccine transport vessels is particularly useful for manufacturers of bulk vaccine, to transport batches of between 20 and

50 litres, in-plant or between plants.

Available in a range of capacities – a typical vessel might be 600mm tall and have a capacity of 45 litres and weigh approximately 65 kg when full.

Construction is to hygienic standards and vessels are fully autoclaveable. An internal & external electro-polish finish to better than 0.5  $\mu\text{m}$  Ra is standard. Lid designs are developed to suit specific client need –

but are usually shrouded to maintain sterility of lid connections. Viewing ports can be incorporated if required.

The system is not rated as a pressure vessel, but will tolerate 0.5 bar internal pressure.

A range of lifting, carrying and insulation products are available to ensure safe and ergonomically sensible handling.

**PROCESSING SYSTEMS THAT KNOW NO BOUNDARIES**

# Vaccine Transport Systems

## KEY TECHNICAL DATA

### APPROVALS

- Briggs is an ISO 9001 registered company
- UN certification available at additional cost
- Vessel is NOT pressure vessel approved

### MATERIALS & CONSTRUCTION

- All 316L stainless steel
- Seals are FDA approved silicone – fully removable
- 400mm diameter – aspect ratio is varied to provide different capacities
- Typically 400mm high is 20 litres and 600mm is 45 litres
- Approximate weight of 45 litre vessel when full is 65kg
- Base is protected by the addition of a full stainless steel skirt

- Pressed construction minimises number of weld lines
- All internal welds are crevice free and totally hygienic
- Carrying/lifting handles are non intrusive with minimal disruption of surface
- Fully electropolished to better than  $0.5 \mu\text{m Ra}$  on all internal and external surfaces

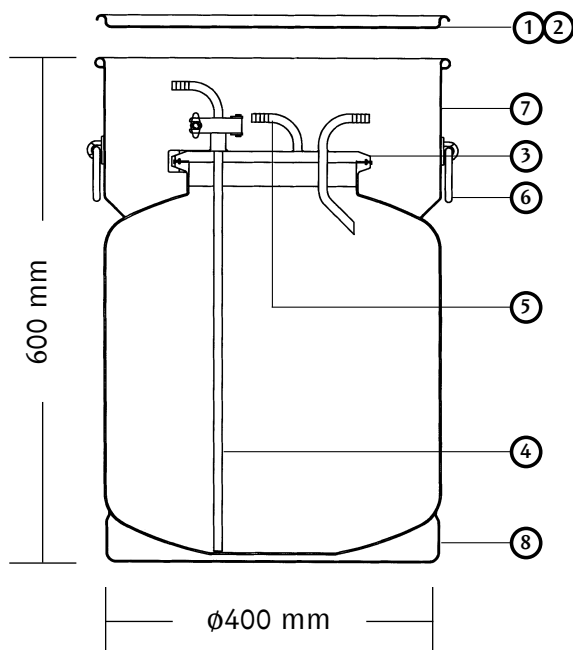
### DESIGN

- Quick release clamp band allows easy lid removal
- Designed to facilitate use of insulation media
- Standard diameter maximises investment efficiency of accessories such as dollies and lifts

- Lid may incorporate viewing port if required
- Custom aluminum shipping frames are also available for enhanced security – including customs tag facility
- Will withstand 0.5 bar filling pressure
- Can be swaged to facilitate handling

### HYGIENE

- System is fully autoclaveable
- Shrouded lid to protect sterility of connections
- Fully removable top, inner lid and dip pipe assembly
- Parts can be etched with a hard code to provide total batch traceability



### KEY FEATURES

- 1 OUTER LID
- 2 FDA APPROVED SILICONE SEAL, EASILY REMOVEABLE
- 3 INNER LID – MAY INCORPORATE VIEWING PORT IF REQUIRED
- 4 REMOVEABLE DIP PIPE
- 5 CONNECTIONS TO SUIT CUSTOMER REQUIREMENT
- 6 LIFTING HANDLES, NON INTRUSIVE WITH MINIMAL SURFACE DISRUPTION
- 7 TOP SKIRT PROTECTS INTEGRITY OF CONNECTIONS
- 8 PROTECTIVE SKIRT AT BASE WITHOUT COMPROMISING STERILITY

All dimensions are nominal - height of vessel is easily varied

While every attempt is made to ensure the accuracy of data, Briggs pursues a policy of continuous improvement and reserve the right to change specification without prior notice

**Briggs of Burton PLC**  
Briggs House  
Derby Street  
Burton on Trent  
Staffordshire  
UK, DE14 2LH  
Phone: +44 (0)1283 566661  
Fax: +44 (0)1283 545978  
Email: sales@briggsplc.co.uk

**Briggs of Burton, Inc**  
400 Airpark Drive  
Suite 40  
Rochester  
New York  
USA, NY 14624  
Phone: +1 (585) 426 2460  
Fax: +1 (585) 426 0250  
Email: sales@briggsusa.com

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