

tapflo®

DRUM UNLOADING SYSTEMS

Our range of Drum Unloading Systems are designed for high-viscosity, paste-like, non-self-flowing media in Industrial & Hygienic applications requiring the emptying of drums, with a product removal rate of up to 99% & reduced risk of contamination owing to the sealing section between the piston and drum, ensuring optimal process efficiency.



OVERVIEW OF DRUM UNLOADING SYSTEMS

Our range of Drum Unloading Systems are designed for **high-viscosity, paste-like, non-self-flowing media in Industrial & Hygienic applications** requiring the emptying of drums, with a product removal rate of up to **99% & reduced risk of contamination** owing to the sealing section between the piston and drum, ensuring optimal process efficiency.

Industrial Pumps

Hygienic Pumps

- Inflatable seal system can be integrated with multiple drum shapes and sizes
- Various piston, control, and frame options ensure advanced configurability to suit almost any application requirement
- Reduce the risk of airborne contamination by creating a sealed section between the piston and the drum
- Removes the need for manual handling
- Advanced cleanability thanks to the sealless design Diaphragm Pump
- High-capacity capabilities with lower viscosity products
- Removes up to 99% of the product
- Electric or Airdrawn pumps available

COMMON APPLICATIONS

- Food & Beverage
- Cosmetics
- Pharmaceutical
- Industrial

CONFIGURATIONS

- Scraper Plate
- Batching
- Manual Operation
- IBC Unloading



EN 10204



HIGH VISCOSITY DRUM UNLOADING SYSTEM

EN 10204   



Common Applications

- Food & Beverage
- Cosmetics
- Pharmaceutical
- Industrial

The HVS Drum Unloading Machine (High Viscosity System) is specially designed for **handling high-viscosity, paste-like substances that don't flow easily, such as tomato paste, coconut and tahini oils, fruit and vegetable pulps and resins.**

Equipped with a Sanitary Air-Operated Diaphragm Pump, this system ensures efficient emptying of barrels, while boasting features such as **sandblasted or electropolished surfaces for enhanced sanitation.**

Technical Data	Specification
Max. Flow (l/min)	590 l/min
Volume per stroke (ml)	2300 ml
Max. Head (bar)	80 m.w.c
Max. Air pressure (bar)	8 Bar
Max. Solids (ø in mm)	15 (std) 42 (Flap Valve)
Max. Temperature with EPDM (°C)	90 °C
Max. Temperature with NBR (°C)	70 °C
Max. Temperature with PTFE (°C)	110 °C
Weight (kg)	190 kg

HIGH VISCOSITY FLEXI DRUM UNLOADING SYSTEM

EN 10204   



Common Applications

- Food & Beverage
- Cosmetics
- Pharmaceutical
- Industrial

Our High Viscosity Flexi Drum Unloading Unit is a high-viscosity system designed to precisely unload drums filled with highly viscous liquids up to 100,000 cPs. Featuring a Hygienic Progressive Cavity Pump, this system ensures seamless and **efficient unloading of 200L drums**, IBCs and other container types, delivering an impressive product removal rate of up to 99%!

Offering automation and product-saving features, as well as an integrated control system, our HVS Flexi excels in applications with **low to moderate volumes**, ideal for supplying filling or packing lines directly.

Technical Data	Specification
Max. Flow (l/min)	590 l/min
Max. Head (bar)	80 m.w.c
Max. Solids (ø in mm)	15 mm
Max. Temperature with PTFE (°C)	110 °C
Weight (kg)	120 kg

HIGH VISCOSITY QUATTRO DRUM UNLOADING SYSTEM



Common Applications

- Food & Beverage
- Cosmetics
- Pharmaceutical
- Industrial

EN 10204   

Our HVS Quattro Drum Unloading Machine is a High Viscosity System designed to efficiently unload highly viscous liquids at 400 l/min, with **an impressive removal rate of up to 99%**! With a maximum solids passage of 15mm with a ball valve and 42mm with a flap valve, this system has been designed to streamline the unloading process, especially in high-volume applications where multiple drums (typically 4) are stored on pallets.

Operated through an integrated control system, operators can easily switch between automatic and manual modes. Additionally, this system **incorporates a Sanitary Double Diaphragm Pump with built-in lifting and lowering functions, and an articulated arm, which makes drum switching simple.**

Technical Data	Specification
Max. Flow (l/min)	590 l/min
Volume per stroke (ml)	2300 ml
Max. Head (m.w.c)	80 m.w.c
Max. Air pressure (bar)	8 Bar
Max. Solids (ø in mm)	15 mm
Max. Temperature with EPDM (°C)	90 °C
Max. Temperature with NBR (°C)	90 °C
Max. Temperature with PTFE (°C)	110 °C
Weight (kg)	200 kg

UNLOADING SYSTEM

EN 10204   



Common Applications

- Food & Beverage
- Surface Treatment
- Paper & Print
- Wastewater
- Chemical

Designed to unload IBCs, containers, barrels and other storage vessels of varying sizes, this system provides efficient and safe tank emptying. ATEX-available, this system is operated by a Diaphragm Pump and offers flow rates up to 200 l/min, efficiently managing low and high-viscosity products across industries such as Chemical, Food and Wastewater.

Technical Data	Specification
Max. Flow (l/min)	460 l/min
Volume per stroke (ml)	2300 ml
Max. Head (m.w.c)	80 m.w.c
Max. Air pressure (bar)	8 Bar
Max. Solids (ø in mm)	15 mm
Max. Temperature with EPDM (°C)	90 °C
Max. Temperature with NBR (°C)	70 °C
Max. Temperature with PTFE (°C)	110 °C
Weight (kg)	160 kg

tapflo®

www.tapflopumps.co.uk

+44 2380 252 325

sales@tapflopumps.co.uk

