

Pneumatic power for demanding liquid transfer.

A complete, factory-assembled pressure-vessel package for molasses, syrup and suitable sugar magma. Automatic sequencing coordinates two vessels on a common skid.



Generation 5 visualization. The final configuration is selected for the project.

One integrated system

Different transfer principle

Compressed air moves the liquid; the transfer vessel has no rotating pumping element or rotating shaft seal.

Coordinated A/B operation

One vessel fills while the other transfers. Flow continuity depends on the engineered cycle and receiver arrangement.

Defined site interfaces

Vessels, valves, instruments, pipework and control cabinet are integrated. Site connections and acceptance checks remain necessary.

Define the technical package

Product-contact materials	304, 316 or 316L stainless steel; compatibility is reviewed for the actual product and cleaning conditions.
Control platform	Siemens PLC and HMI preferred. Final instrument and valve manufacturers are agreed in the bill of materials.
Pressure rating	1.0 MPa is a source design reference, not a universal operating setting. Actual design conditions and destination approval are project-specific.
Hygienic options	Product-contact finish, air treatment and optional CIP. An Ra 0.1-0.2 micrometre mirror-finish option requires an agreed inspection scope.
Operating options	Dual-vessel coordination; authorized single-vessel fallback; validated level/time modes; insulation; vacuum-assisted filling where suitable.
Valve options	Application-selected wear-resistant construction, including nickel-based tungsten-carbide cladding or DLC coating where qualified.

Selection and acceptance

Provide product properties, operating temperatures, target average and peak flow, usable vessel volume, pipeline route, receiver conditions and compressed-air availability. Agree performance and quality tests on representative material before committing to a production duty.

High-Brix massecuite is not a standard recommended duty. Oxygen-sensitive, flammable or reactive products require a separate assessment. Valves, instruments, filters and pressure equipment require inspection and maintenance.

Use the project inquiry worksheet to organize your data. Contact details and the project-specific commercial scope are available from the website inquiry page.