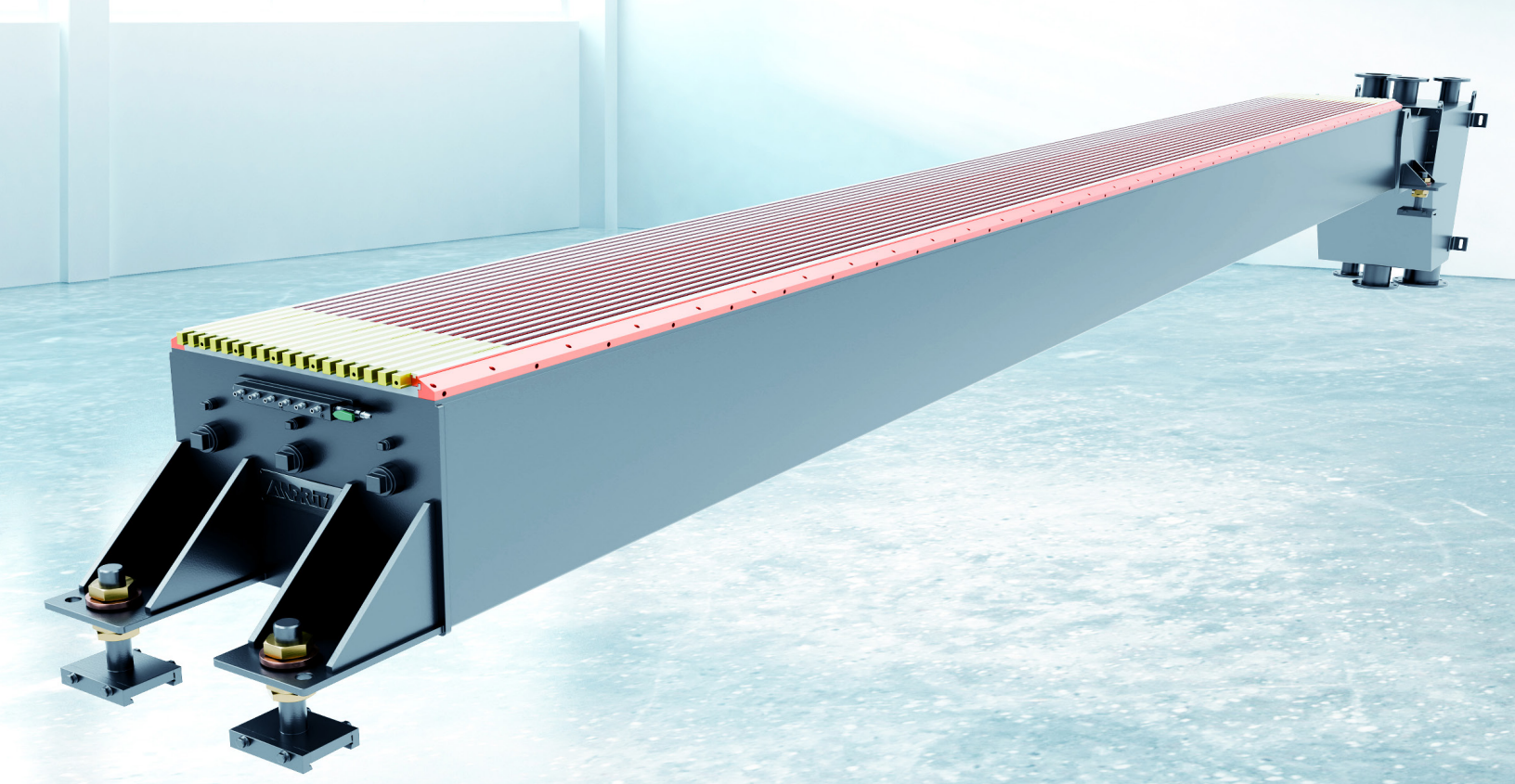




HIVAC UNITS

MULTI-CHAMBER UNITS IMPROVED
SHEET-DRYING EFFICIENCY

ANDRITZ



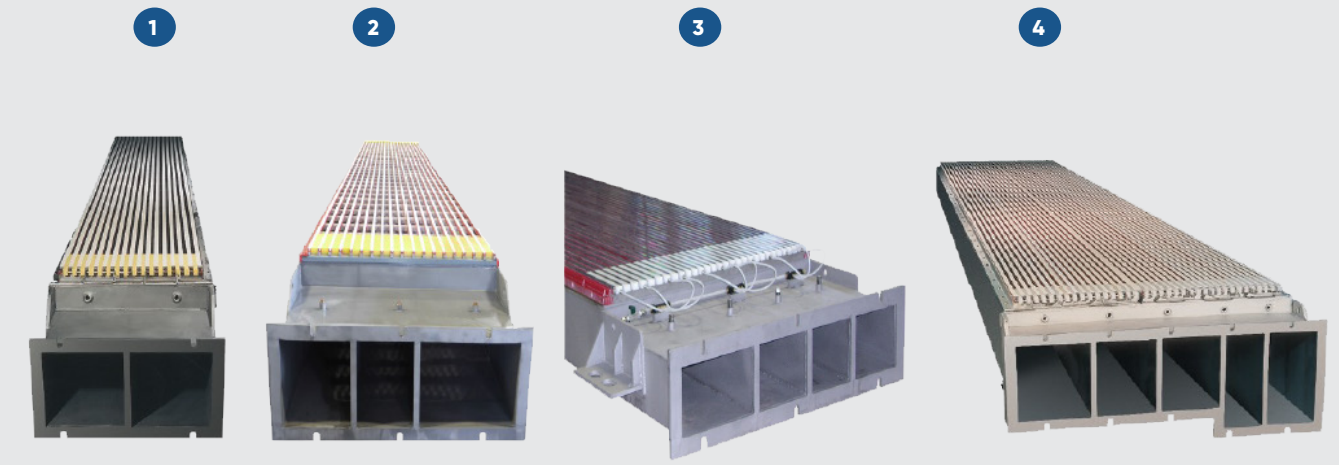
TRIVAC UNIT / Multi-chamber unit

MAXIMIZE SHEET CONSISTENCY

ANDRITZ HiVac units are typically applied at or just after the wet line/dry line, depending on grade to maximize sheet consistency before the couch. There are other HiVac specialty applications such as sheet transfer, and secondary sheet lay-down, using curved as well as flat cover configurations. Multi-chamber units offer greater machine direction compactness, improved sheet-drying, and continuous coverage under steam hoods.

ANDRITZ OFFERS HIVAC UNIT WITH MULTIPLE CHAMBERS OPTIONS

ANDRITZ has a Single Suction Box type HiVac as well as 2, 3, 4, and 5 chambered HiVac units. All HiVacs are designed around the specific customer needs. Multi-chamber HiVac have a distinct advantage over individual suction boxes, as they don't allow the sheet to return to atmosphere before a higher vacuum level is applied. This results in consistency gain in comparison with traditional single chamber HiVacs.



1 DuoVac* **2 TriVac*** **3 QuadriVac** **4 QuintiVac**

High vacuum units to increase efficiency

FEATURES

- All stainless steel construction
- Designed to accept ceramic slotted covers on a fully machined surface
- All types of standard ceramic covers can be fitted
- Designed to withstand negative pressure in excess of 20" Hg (68 kPa)
- Standard drum type or custom rectangular air/water separators available for all units
- Custom-built to suit all machine widths, speeds and grades
- All units equipped with:
 - Drainage/seal system
 - Custom mounting assemblies
 - 1/2" (13mm) vacuum gage/manometer connections on tend and drive sides

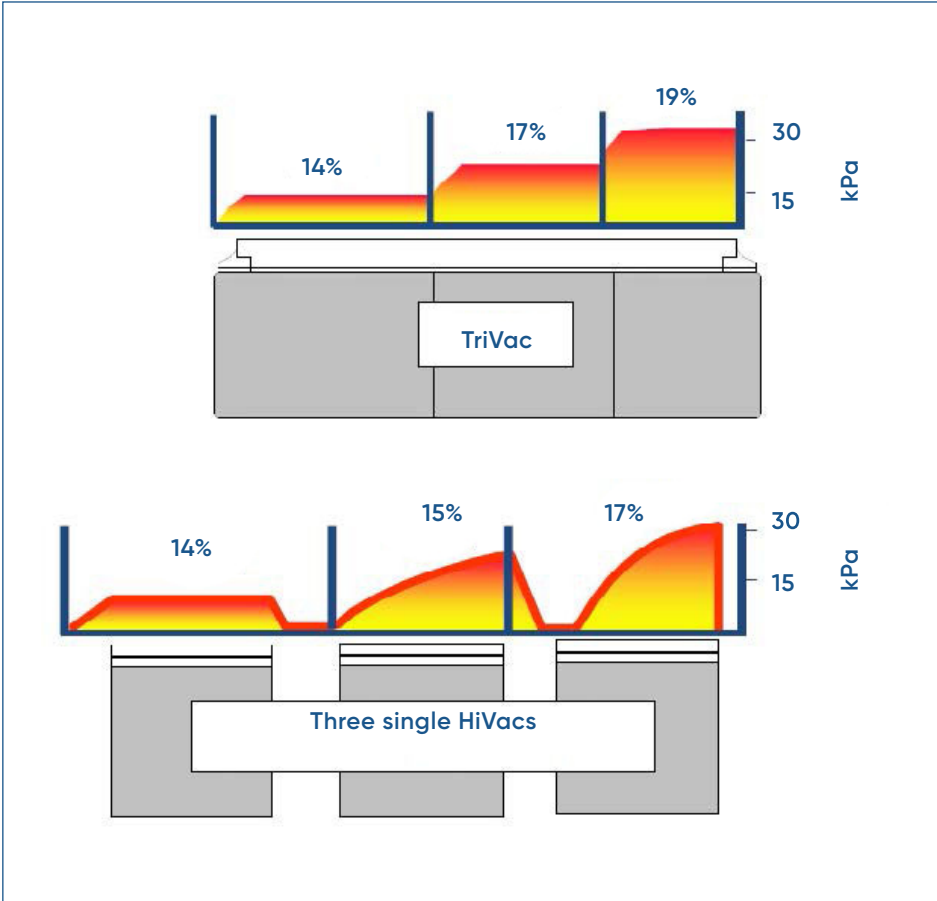
HiVac units

HIVAC CHARACTERISTICS

- Available as single or multi-chamber units:
 - DuoVac – 2 Chambers
 - TriVac – 3 Chambers
 - QuadriVac – 4 Chambers
 - QuintiVac – 5 Chambers
- Multi-chamber units offer greater machine direction compactness, improved sheet-drying efficiency, and continuous coverage under steamhoods
- Custom curved covers can be built to suit lead-in box or transfer box applications
- Flat or curved covers available to accept secondary deliveries on multi-ply applications
- Custom Super HiVacs available for suction couch replacement or other special applications

BENEFITS

- Sheet is not allowed to return to atmosphere between vacuum zones like single chamber HiVac units
- Reduces rewetting
- Makes more efficient use of available air flow
- Increased drainage capacity
- Lowers dragload



Consistency gain



**MAXIMIZE
SHEET
CONSISTENCY**
—
ANDRITZ WET-END
SOLUTIONS

AutoVac* HD unit

The AutoVac HD is a three-way electrically actuated valve for precise vacuum unit control vacuum by modulating applied vacuum or bleed air. The AutoVac HD is available in LoVac and HiVac series.

Applications include all LoVac and HiVac units on every grade of paper where vacuum accuracy and rapid response are critical.

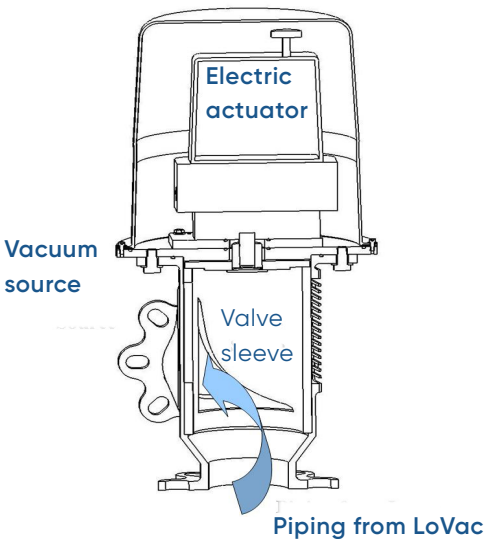
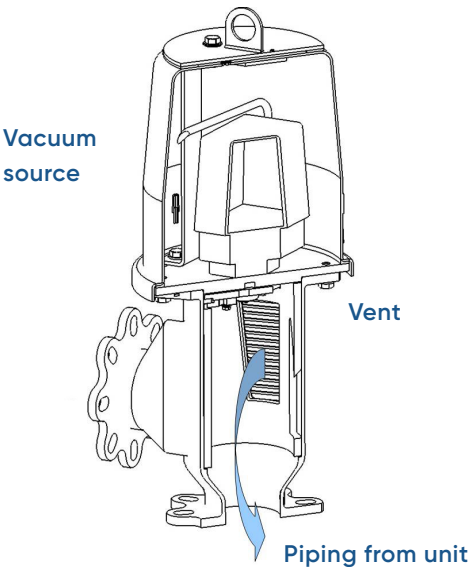
FEATURES

- High torque, electronically driven robust design for reliable, accurate operation
- Few internal parts and construction for easy maintenance
- Open, unrestricted flow paths for cleanliness

OPERATING FEATURES

- 24 VDC power/4 to 20 mA signal interface with Distributed Control System (DCS)
- Automatic operation with DCS and vacuum sensor
- Few parts for easy maintenance, quick disassembly
- Open, unrestricted flow paths to resist fiber build-up
- High torque rotary actuator with integrated encoder rated for unrestricted modulation
- Locks in place with loss of signal or power
- Manual override
- Linear response

Model	Operating range
AutoVac HD-L	0-60" (0-1524 mm) H ₂ O
AutoVac HD-H, 4"	0-25" (0-635 mm) Hg
AutoVac HD-H, 8"	0-25" (0-635 mm) Hg



CONSTRUCTION FEATURES

- All components made from non-corrosive materials
- Cast 316 stainless steel (CF8M) valve body
- 3 16L stainless steel machined parts
- Roto-molded polyethylene cover
- EPDM o-rings/gaskets
- 316 stainless steel fasteners
- US/International compatible pipe flanges
- 4", 150# ANSI (qty 8, 5/8" bolts)
- DN 100 PN 10/16 (qty 8, M16 bolts)
- DN 100 PN 6 (qty 4, M16 bolts)
- 33 foot (10 meter) shielded watertight PVC cable with stainless steel electrical connector for power/signal DCS interface

AUTOVAC HD CONTROL PANEL

- Used where the valve cannot be connected to an existing mill DCS
- Uses a single PLC with a 4" (100 mm) display panel to indicate vacuum levels for each AutoVac HD
- Set point and PID scaling is preset but can be adjusted to suit specific mill conditions
- Control panel provides a 24 VDC power output to drive the AutoVac HD actuators
- Available in 4 and 8 Station





EUROPE

ANDRITZ AG
Graz, Austria
p: +43 316 6902 0

NORTH AMERICA

ANDRITZ Inc.
Springfield, MA. USA
p: +1 413 750 4600

papermachine-service@andritz.com

ANDRITZ.COM/PRIMESERVICE

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