AV-30

Over 30 Million Pounds of Annual Capacity

33 MILLION POUNDS PER YEAR

15 MILLION KILOGRAMS PER YEAR

The most popular industrial scale HPP machine in the world

Full-Scale HPP Production Starts Here.

The AV-30 produces more food and beverages worldwide than any other machine. It's proven to be the most reliable choice for producers and toll processors.

Topline features

- The world's most popular HPP machine
- Lowest cost per cycle in throughput range minimizes production costs
- Large diameter increases packages per cycle
- Advanced design delivers industry's longest-lasting cylinder

AVURE™ TECHNOLOGIES

AV-30 Over 30 Million Pounds of Annual Capacity

Technical Specs

Standardized Annual Capacity

>46,000,000 lbs. (21,000,000 kg) per year with 1 minute hold time at 87,000 psi (6,000 bar); 11.7 cycles per hour

>33,000,000 lbs. (15,000,000 kg) per year with 3 minute hold time at 87,000 psi (6,000 bar); 8.4 cycles per hour

Actual annual capacity must be determined specifically for each package (load-out or vessel filling ratio), product (treatment time, pressure and temperature) and specific working practices (working hours, days, weeks, and operational efficiency).

Vessel: Diameter	386 mm (15.20")
Vessel: Internal Length	3000 mm (118.11")
Vessel: Fill Efficiency	75%
Vessel: Standardized Hourly Capacity	5,932 lbs. (2,691 kg) per hour | 1 minute hold 4,259 lbs. (1,932 kg) per hour | 3 minute hold
Number of Intensifiers	Two high-pressure pump units with hydraulic system and four high-speed intensifiers per pump
Vessel: Volume	350 liters (92.5 U.S. gallons)
Wire Wound Vessel	116.8 miles (188 km) of wire, 29,270 lbs. (13,276 kg)
Wire Wound Frame	51 miles (82 km) of wire, 12,650 lbs. (5,750 kg)
Total Machine Weight	101,400 lbs. (46,000 kg)
Recommended Input Water	4° C to 29° C (39° F to 84° F) Flow rate 220 liters per minute (58 U.S. gallons) process water Flow rate 76 liters per minute (20 U.S. gallons) high-pressure pumps
Power Supply	370 kVA | 3 ph. | 480V | 60 Hz | 450 A | 320 kW 315 kVA | 3 ph. | 400V | 50 Hz | 450 A | 270 kW * Chillers receive separate power
Air Supply	87 psi (6 bar) machine quality, oil free air, 7.1 cfm (200 liters per minute)
Cycle Data Documentation	SCADA PC-based control system records operator, time, lot, batch, pressure, temperature, faults, and all other key parameters during cycles for validation and product safety
Design and Manufacturing Certifications	Designed, manufactured and tested according to ASME Boiler & Pressure Vessel Code, Section VIII, Division 3 rules and the European Pressure Equipment Directive 97/23/EC depending on vessel type and application. Other safety requirements expressed e.g. in relevant European Directives (such as Low Voltage, EMC and Machinery Directives) are also met.

5 reasons producers worldwide choose the AV-30.

1. **Historical performance.** Avure has pioneered and developed HPP for more than 60 years. The majority of HPP foods and beverages are produced on our equipment.
2. **Highest possible throughput.** Avure builds the industry's largest and fastest-filling diameter pressure vessels, which pump pure water and deliver more product on every cycle.
3. **Rapid cycling.** Avure has finessed vessel pressurization and decompression to offer the world's highest performance.
4. **Lower operating costs.** Avure's experience in specialized metals and engineering lowers maintenance costs and minimizes costly downtime.
5. **Reliable performance and profits.** The AV-30 works longer and harder than comparable machines. And makes itself known with a superior bottom line.

AVURE TECHNOLOGIES

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Contact us to arrange an on-site tour of Avure HPP machines.

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