

# Solutions for Medical Ventilators & Respiratory Care Equipment



Custom components that drive tomorrow's technologies.®

As a trusted supplier to medical device makers for over 60 years, Bal Seal Engineering has the products and resources you need to scale up design and manufacture of critical respiratory care equipment—fast. Whether you're seeking solutions for new projects or retrofitting existing platforms, our **collaborative engineering** process and **quick-turn prototyping** will help you keep up with demand during these challenging times.

## Our Products



Bal Seal®



Bal Spring®

### Bal Seal® spring-energized seals

for rotary, reciprocating, oscillating, static, and face sealing.

### Bal Spring® canted coil springs

for mechanical connecting, (latching, locking, holding) electrical conducting, EMI/RFI shielding, and thermal management.

## Our Process

In four simple steps, we can help you experience the improved reliability and enhanced performance that comes with using custom-engineered components.



### ENGAGE

Our engineers gain a deep understanding of your application



### DESIGN

Together, we engineer a solution that elevates your design



### PROTOTYPE

In as quickly as 2 weeks, you get a prototype



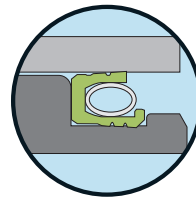
### PRODUCE

You're ready to scale up, from tens to millions of pieces

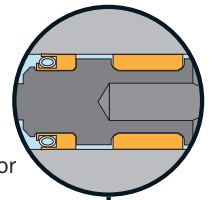
A KAMAN COMPANY

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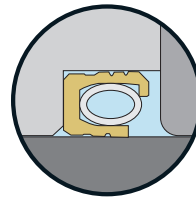
## Proven Success in Ventilator Applications



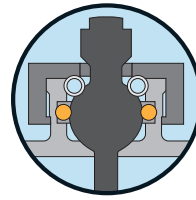
Bal Seal® low-friction piston seal for constant pressure accumulator



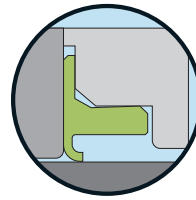
Bal Seal® piston seal and guide ring for oxygen concentrator



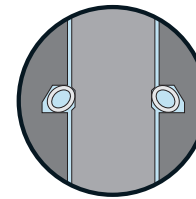
Bal Seal® rod seal for oxygen blender (replacing O-ring)



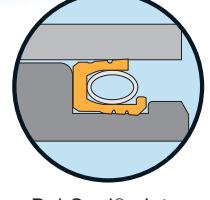
Bal Spring® for proportional solenoid flow valve



Bal Seal® shaft seal for ventilator pump



Bal Spring® for locking in cart frame assembly



Bal Seal® piston seal for booster pump/nebulizer



- Custom proposals in 3 working days
- Prototypes in as little as 2 weeks
- 60+ years of engineering expertise
- In-house testing

REQUEST A DESIGN



[www.balseal.com](http://www.balseal.com)