

BECSys ChemLock

Chemical Feed Interlock



The **BECSys ChemLock** provides an independent mechanism for locking out chemical feeds when the circulation pump is not running. Feeding acid and chlorine into a static line can create a toxic and dangerous condition when the circulation pump restarts; the chemicals will mix to form chlorine gas which will offgas at the pool surface, likely injuring swimmers in the pool at that time.

Most water chemistry controllers have a flow switch that detects loss of flow. This is a necessary and important safeguard, but flow switches can fail or be bypassed by a well-intentioned operator trying to keep the pool running.

The BECSys ChemLock is independent; it does not depend upon the water chemistry controller. The ChemLock will electrically lock out chemical feeders when the circulation pump is not running, providing a crucial additional layer of safety.

A front panel indicator clearly shows when the BECSys ChemLock has interrupted chemical feeds, making it very easy to verify that the chemical interlock is functioning properly.

Safety First!

- ✓ Stand-alone or pre-wired to BECSys controller
- ✓ Works with most commercial water chemistry controllers
- ✓ Chemical Feed Interrupted indicator
- ✓ Halt Chemical Feeds button (stand-alone model)
- ✓ Designed and manufactured in the USA
- ✓ UL508A approved



Providing the world's most advanced water chemistry solutions



BECSys ChemLock Chemical Feed Interlock



Independent. Verifiable.

Critical safety systems should be both independent and easily verifiable.

Independent - The BECSys ChemLock provides an **electrical** interlock, which works even if the water chemistry controller is not functioning properly. That's called peace of mind.

Verifiable - A large red front panel indicator shows when chemical feeds are interrupted. This makes verification easy - simply turn off the circulation pump and see the indicator turn on.

Flexible options

Every installation is a little different. The BECSys ChemLock can accommodate a wide variety of circulation system monitoring approaches. For example:

- Circulation pump contactor
- Run/Confirm signal from VFD
- Circulation pump power/current monitor
- Pressure switch



Simplify new installs

For new installations a BECSys ChemLock can be configured at the factory with BECSys7, BECSys5 and BECSys3 controllers, providing numerous benefits:

- ChemLock factory wired with chemical feeder signals
- Single panel with BECSys controller, ChemLock and flow cell
- Configuration factory-programmed into BECSys controller
- Simpler install for both the pool and electrical contractors
- Coordination between BECSys controller and other equipment pre-determined and documented for installer

You're in great hands!

BECS Technology has been designing and manufacturing the world's most reliable and innovative water chemistry controllers for over 30 years. We take pride in developing aquatics solutions that stand the test of time and are easy to use with features and capabilities that bring real value to our customers and their facilities.

Yet even the best equipment requires competent support to reach its full potential. BECSys distributors have been factory-trained and authorized to provide everything you'll need to take full advantage of all the benefits of your BECSys controller through the warranty period and beyond.

With a BECSys, you're in great hands!

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water chemistry solutions