



Sur-Drop[®] Ball Injector

Weir SPM's Sur-Drop[®] High-Pressure Ball Injector features the "Positive Feed System", resulting in a reliable feed and injection rate. New design revisions have enhanced operating performance, made maintenance more convenient, and greatly reduced lead time for faster response to customer needs.



New Design Upgrades:

- Improved manufacturing processes allow for more precise machined parts.
- Increased flexibility in operation by consolidating ball cartridge sizes.
 - 5/8" & 3/4"
 - 7/8" & 1"
 - 1 1/8" & 1 1/4"
- Increased convenience in maintenance.
 - Two-piece screw assembly allows for more convenient replacement of drive stem, without replacing entire assembly.
- Easy manual loading eliminates use of awkward tools.

Weir SPM's Sur-Drop® Ball Injector provides convenient, reliable performance in manual and remote operation configurations. As a result of improvements in the manufacturing process greatly decreasing the lead time of this product, Weir SPM will now stock the 7/8" - 1" Sur-Drop® Ball Injector at most locations.



The patented Weir SPM Sur-Drop® Ball Injector affords a simple, more cost effective alternative for well service ball injector applications. Ball injectors have long been used in the well service industry as a means of selectively diverting acidizing or fracturing fluid to a well's perforations.

The Sur-Drop® "Positive Feed System" eliminates the need for multiple units to handle different size balls. One Sur-Drop® unit handles as many as six different ball sizes by simply changing to one of three internal cartridges. The unit features a manual hand crank, remote control, or combination manual/remote control system.

Featuring fewer components than conventional ball injectors, the Sur-Drop® does not depend on gravity and is not affected by pressure differentials. The end result is a ball injector with greater reliability and cost efficiency.

The sealed remote panel features a continuous memory LCD counter and ball drop toggle switch. All switches are protected and the unit is designed to operate the ball injector on one cable at distances up to 150 feet. The unit is capable of operating from any 12-volt system. Operating power is applied at the remote control panel.

Features Include:

- Valve body and tee models available.
- Positive drive.
- Standard unit available in remote control and manual (built-in counter).
- Multiple internal cartridges available capable of handling 5/8", 3/4", 7/8", 1", 1-1/8" or 1-1/4" balls.
- Large ball capacity
- Heavy-duty construction that can utilize either a hand crank, remote or combination manual/remote control operation.

Sur-Drop® Ball Injector Capacity:

Ball Size	Qty.
5/8"	165
3/4"	165
7/8" *	130
1" *	130
1 1/8"	100
1 1/4"	100

* Standard Model

Available Sizes and Pressure Ratings:

Tee Connection Style:	Valve Body Style:
4" 10K Safety Iron®	3" 1502 MxF
3" 1502 M	4" 1502 MxF
4" 1002M	

NOTE: For ball sizes greater than 1 1/4", please ask Weir SPM Sales about the ball dropper product line.

Sur-Drop® is a registered trademark of SPM Flow Control, Inc.

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