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HID-IN

A suction-supported reusable insulin pen providing complete concealment of its retractable single-use needle before and after dispensing its medicament. The pen allows for complete enclosure of a disposable needle, eliminating the need for immediate disposal after use. The pen automatically puckers the skin around an injection site through a suction, prior to injection, removing the need for the user to manually pinch his or her skin. The pen is operated by a two button mechanism. Depression of an outer button causes an internal insulin cartridge and attached needle to move downwards towards the injection site. Further depression of the outer button activates an inner button which causes the insulin to be injected. Detachment of a bellowed casing containing the used needle from the insulin pen causes the case to expand past both ends of the needle, completely shielding it from the environment.