

SOFT GRIP

— *safety and reliability* —

Two years ago Cen-Tec Systems introduced the 3200 series hose. This introduction included the option of a durable soft grip surface that covered the entire handle providing a more comfortable grip, added control, and a uniform appearance that won't scratch, peel, or discolor. We are pleased to announce that advances in process technology now permit this premium upgrade to be included cost free on all 3200 series hoses and packages sold by Cen-Tec Systems and our distributors.

The patented 3200 series handle was designed with weight and comfort in mind. The 3200 design minimized handle weight, in a balanced shape that permits comfortable control of cleaning tools providing for minimum effort and wrist strain for your customers. The addition of a strain relief to the 3200 handle design puts the hose in a shallow arc reducing resistance from the hose when vacuuming and eliminates kinking. The open grip and soft curves maximize comfort and perfectly positions your hand for same hand operation of the recessed switch offering total control. The compact, robust design guarantees years of trouble free service.



All Cen-Tec Systems high voltage electrical hoses include our interchangeable wall end allowing distributors of our products the option of modifying the wall

end to accommodate the needs of their customers. Changing a universal wall end to an end compatible with popular direct connect wall outlets can easily be accomplished by the dealer or installer at the job site without the need for tools or extra parts.



Why Cen-Tec Systems recommends a recessed plug configuration.

Safety. Many times a replacement hose is sold to a consumer without knowledge of the consumer's mating parts. In the past most of the electric nozzles sold featured a plug coming from the electric nozzle which was inserted directly into a recessed female connection on the electrical hose. This recessed female connection provided a shroud for the electrical connection, protecting customers from the risks associated with a loose or exposed electrical connection.

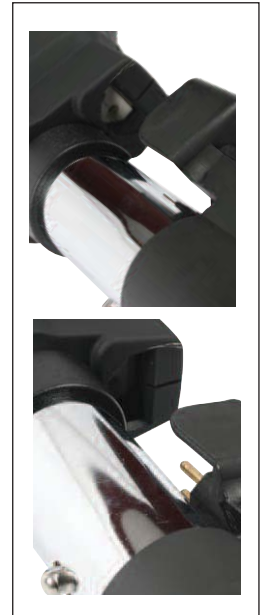
Today, many of the products available on the market do not guarantee this level of safety. Certain product configurations exist whereby a customer may end up using a system with both a flush mounted hose connection and an un-shrouded plug. Because of this possibility, we discourage



the sale of flush mounted hoses without knowing the details of the application or providing an appropriate replacement top want to ensure it is properly shrouded.

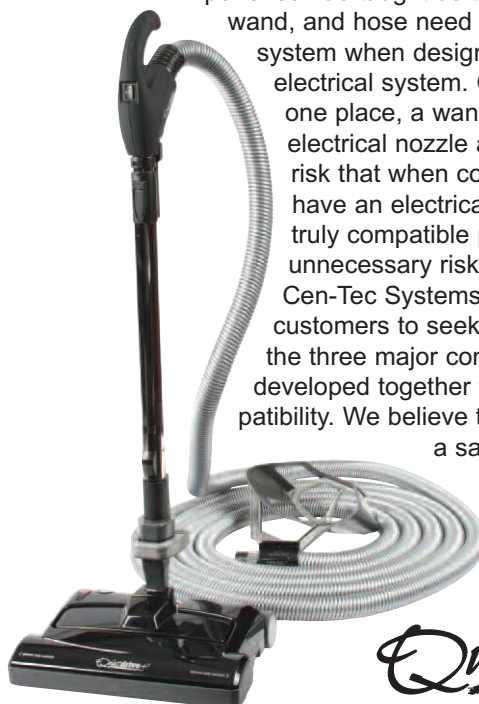
Alignment.

We know customers should ensure the switch providing power to the electrical nozzle is off when they disengage the handle from the wand for above the floor cleaning. Evidence of arcing demonstrates this is often overlooked by the consumer and improper use should be anticipated in the design of a system to ensure safety. It is our experience this risk is significantly higher when using a flush mounted plug. A recessed plug position ensures proper alignment of the male plug on the wand to the corresponding female plug in the handle at the time the two engage reducing the risk of electrical arcing. It also provides for appropriate shielding of the electrical connection at the time of engagement further protecting the consumer.



Treat them as a system:

Experience has taught us the electric nozzle, wand, and hose need to be treated as a system when designing for a reliable electrical system. Getting a hose one place, a wand another, and the electrical nozzle a third increases the risk that when combined you may have an electrical system that isn't truly compatible presenting an unnecessary risk to your customer. Cen-Tec Systems encourages our customers to seek a system where the three major components have been developed together to ensure their compatibility. We believe this to better ensure a safe system and years of reliable operation.



Quietdrive