

NS4 Series Couplings Frequently Asked Questions



What is the NS4?

The NS4 is a non-spill coupling, ideal for applications needing to eliminate spills, contain fluid media and reduce the amount of air inclusion into the system. The ergonomic and easy-to-use coupling speeds connections, reduces downtime, increases productivity and worker safety. The lightweight, innovative couplings provide reliable drip-free performance.

What's New?



Panel Mount Hose Barb Elbow Insert	1/4" ID	NS4D43004
	3/8" ID	NS4D43006
Hose Barb Elbow Insert	1/4" ID	NS4D23004
	3/8" ID	NS4D23006

When are the NS4 elbow insert terminations it available?

The NS4 elbow insert terminations are available August 19, 2014.

What are the new elbow terminations and configurations being offered?

- 1/4" and 3/8" Hose Barb Terminations
- In-Line and Panel Mount Inserts

Where can I use an NS4?

The NS4 is ideal for applications including analytical instrumentation; medical device; in vitro diagnostics; cold therapy; wound drainage; patient therapy management; printing and ink management; liquid cooling of electronics. With the introduction of the new NS4 elbows, users no longer need to coil or bend tubing in tight or constrained control boxes.

What materials is the NS4 made of?

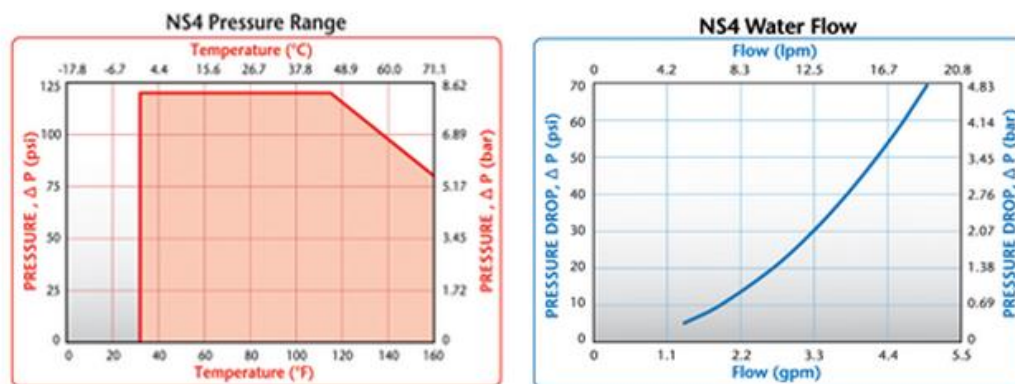
The NS4 is made of glass-filled polypropylene, giving it durability and broad chemical compatibility. The springs are 316 stainless steel; the seals are EPDM (optional FKM seals are available upon request). Typically resistant to water, acids and bases the TPV (thermoplastic vulcanizate) soft touch overmold is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber.

What are the pressure/temperature specifications?

The temperature rating is from 32 degrees F to 160 degrees F; the pressure is rated at 120 psi (vacuum).

What are the flow characteristics for the NS4?

The NS4 has a 1/4" nominal flow.



How much inclusion (air introduced into the system upon connection)?

There is only 0.26 cc of air inclusion in the NS4 upon connection. This means almost no air is introduced into the system upon connection. Minimal inclusion can eliminate the need to prime the system after connection and can protect critical components, such as the print head.

How much spillage (the volume of fluid escaping drips upon disconnection)?

The NS4 has double shutoff valves that shut and seal before the seal between the insert and body is broken, that way fluid does not spill out of the system when they are disconnected. A small amount of fluid from the system is trapped between the body and insert when the valves are closed, consequently resulting in spillage upon disconnection. Upon disconnection of the NS4, there is less than 0.10 cc of fluid spilling out as the body and insert are disconnected.

How much do the NS4 elbow terminations cost?

List pricing for NS4 In-Line elbow inserts: NS4D23004 and NS4D23006:

\$8.75 USD

€7.90 EUR

¥61.95 RMB

List pricing for NS4 Panel Mount elbow inserts: NS4D43004 and NS4D43006:

\$10.35 USD

€9.35 EUR

¥73.28 RMB

How many couplings are in a bag?

NS4 couplings are sold bag quantities of 25 pieces per bag.

How can I receive marketing samples?

Contact your CPC account manager to request NS4 samples.

How can I get more information on the NS4?

More information including specifications, customer drawings, part numbers, and purchase information can be found online cpcworldwide.com.

