

## CO<sub>2</sub> "S" TYPE NOZZLES

### DESCRIPTION

The "S" Nozzle is primarily used for local application systems but is also listed and approved for use in total flooding applications.

The "S" Nozzle is made of zinc plated steel with a brass or stainless steel nozzle insert. The nozzle is available with orifice code sizes ranging from (1) through (11). The "S" nozzle has a 1/2" (15mm) pipe thread. Nozzle strainers are required on any nozzle with an orifice code requirement of 3 or smaller. Nozzle Strainers do not come with nozzles and must be ordered separately. (Refer to Nozzle Strainer Detail).

The discharge flow rate of the "S" nozzle depends on the orifice size and terminal pressure of the nozzle. The area that can be covered by a local application nozzle depends upon the required discharge rate and the height above the surface of the protected space where the nozzle is to be located. Refer to the rate-by-area nozzle selection chart in the CO<sub>2</sub> Design, Installation and Maintenance Manual, P/N C 06-018 for allowable coverage areas.

The "S" Nozzle Flange Kit is used to mount an "S" nozzle to the mounting surfaces of enclosures, hoods, ductwork, etc. A sealing disc is provided for the purpose of preventing the contamination of the nozzle discharge orifices when the nozzle is used in a dirty environment. A new sealing disc will be required after each system discharge.

### SPECIFICATIONS

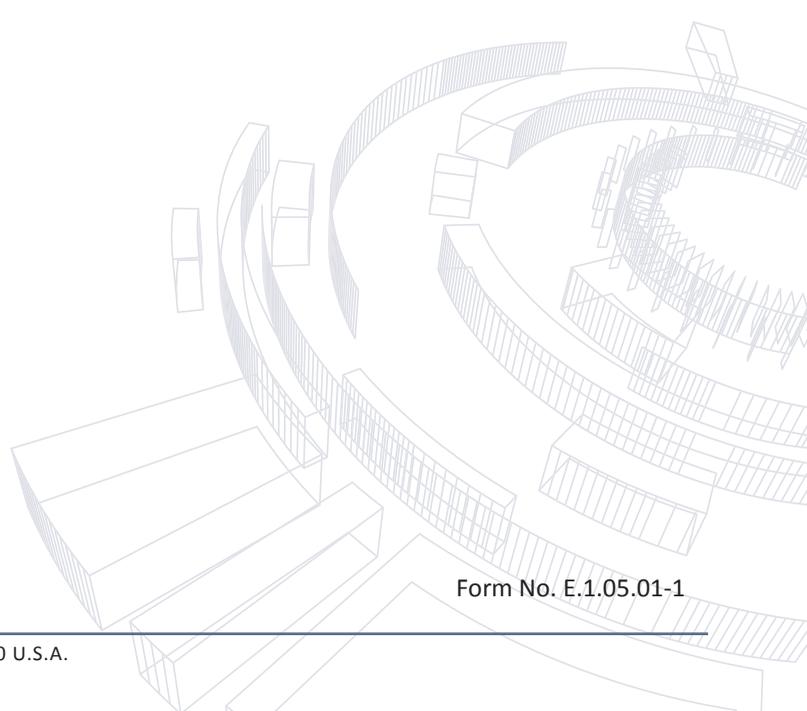
Part Numbers: C80-010 "B" or "S" Nozzle  
C80-1018 Flange and Seal Kit  
C02-1181 Strainer  
C02-1007 Seal Disc for Flange Kit

Material: Nickel Plated Steel with Brass  
Nozzle Insert  
Teflon® Seal Disc



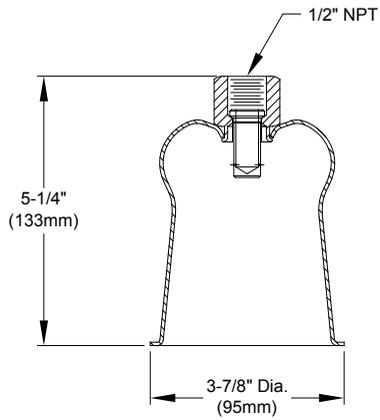
### APPROVALS:

- ULC Listed - CEx 1312
- USCG - 162.038/12/0

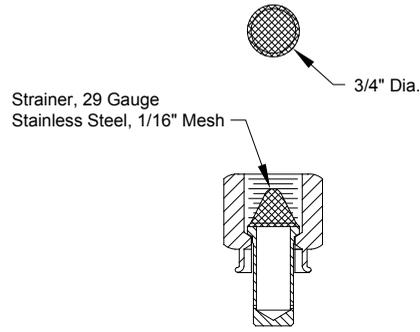


Form No. E.1.05.01-1

**NOZZLE DETAILS**

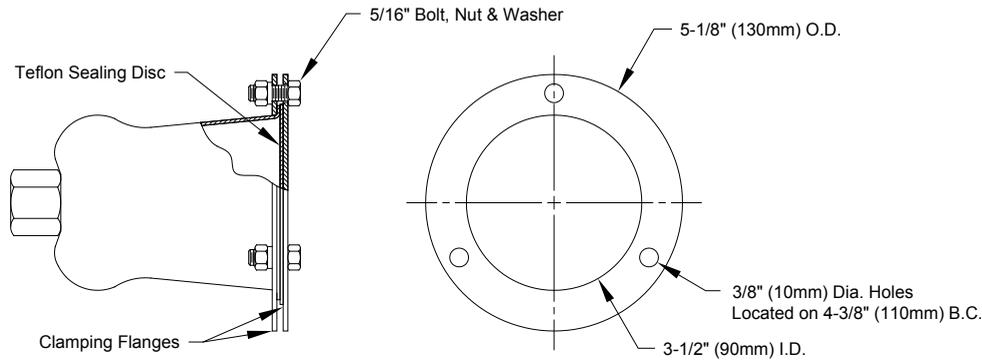


"S" NOZZLE



NOZZLE STRAINER

**ASSEMBLY DETAILS**



FLANGE AND SEAL KIT  
ASSEMBLY DETAIL