

CLEANING IN PLACE NOZZLE



Features:

- Permanently mounted
- Fully retractable
- Air to open
- Air to close
- Easily automated
- Available in short or long designs
- Constructed of tough material
- Takes up to 80 psig liquid pressure
- Wide angle spray

Benefits:

- Eliminates installing and removing before and after cleaning
- Does not interfere with process
- Assures proper position of nozzle
- Easily adaptable to PLC controls
- For uninsulated and insulated vessels
- Resistant to strong CIP solutions
- No complicated CIP valves and circuits
- Assures complete cleaning
- Visual nozzle position indicator

CLEANING IN PLACE NOZZLE

The NIRO CIP nozzle valve features a retractable design.

When the nozzle is not in use, the inside of the nozzle head is flushed with inner wall of the vessel which ensures no process disturbance and eliminates product entrapment. In the retracted position, up to 80 psig liquid pressure can be supplied to the nozzle without leaking.

During CIP, cleaning fluid is pumped to the nozzle and the air to open positioner forces the nozzle from its retracted position to the CIP position. Now ready for action, the nozzle is rotated by liquid pressure and sprays cleaning fluids over the entire surface area. The operation liquid pressure can be as low as 10 psig and up to 25 psig. The rigorous rotation of the nozzle and the wide spray angle ensures all areas of the cleaning surface are thoroughly cleaned.

When the CIP operation is complete, the air to close positioner forces the nozzle back to a retracted position.

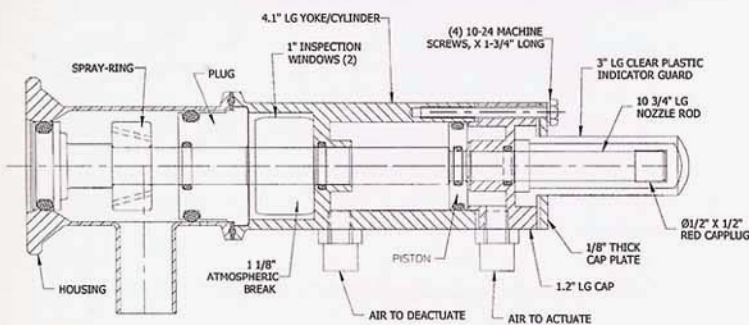
The nozzle can be designed for thin wall (uninsulated) or thick wall (insulated) vessels.



Technical Data

Type	Automatic air to open, air to close; available in standard or long models
Capacity	18 GPM at 20 psig water pressure (usable spray pressure 10 - 25 psig)
Liquid Pressure To Nozzle	80 psig maximum
Air Pressure Required	100 psig
Spray Angle	360° X 150°
Construction Material	AISI 316L stainless steel and high grade polymer plastic

Complies with 3A Standard #78 for Sanitary Use.



CIP NOZZLE SHOWN WITH SPECIAL SPRAY-RING

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