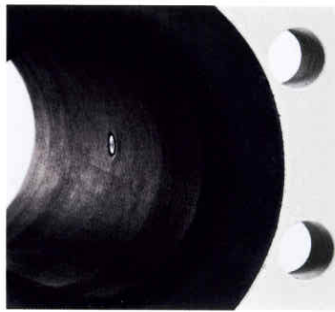


# Liner: Neoprene

## Neoprene, Polychloroprene



Neoprene is suitable for water and wastewater applications.

The Neoprene liner from Siemens Flow Instruments was formerly the most commonly used liner for water and wastewater applications as well as some chemical applications.

In recent years, new materials have emerged for use in these applications.

### About Neoprene

Neoprene polychloroprene is a versatile synthetic rubber, originally developed as an oil-resistant substitute for natural rubber. Neoprene possesses a unique combination of properties, which has led to its use in thousands of applications in various water application environments.

The Siemens Neoprene liner is hand lined and bonded to the stainless steel inner tube of the sensor, which supports the liner during use.

Recently, due to new drinking water requirements and the risk of swelling in water, other rubber materials such as NBR, EPDM and Ebonite have replaced Neoprene in many water applications.

### Neoprene facts and features

- Performs well in contact with oils, many chemicals and some solvents
- Well-suited to wastewater applications where oil is present
- Good abrasion resistance properties
- Due to compression set the liner tolerates a maximum temperature of +70°C (+158°F).

Application	Capability
Drinking Water	✓
Wastewater	✓✓✓
Abrasive Liquids	✓✓
Chemicals	✓
Food & Beverage	
Pulp & Paper	

Acid Resistance	Capability
Diluted	
Concentrated	

Wear Resistance	Performance
Abrasion	✓✓

Products	Nominal size	Medium temperature range	Operating pressure	Drinking water or hygienic approvals
MAG 3100	DN 25...DN 2000 (1"...78")	0/+70°C (+32/+158°F)	0.01-100 bar (0.15-1450 psi)	
911/E	DN 15...DN 600 (1/2"...24")	0/+70°C (+32/+158°F)	0.01-40 bar (0.15-580 psi)	