

Liner: EPDM

EPDM, Ethylenpropylenediene Rubber



EPDM – a perfect choice for drinking water applications.

The EPDM liner from Siemens Flow Instruments is the preferred liner for drinking water applications.

About EPDM

EPDM rubber (ethylenpropylenediene rubber) is an elastomer, which is characterized by a wide range of advantages, making it especially suitable for drinking water applications.

EPDM is a hand lined bonded liner with the stainless steel inner tube of the sensor as support.

In the MAG 5100 W, DN 50 to DN 300 (2" to 12") flowmeters the liner is moulded, with a stainless steel reinforcement net.

EPDM has excellent properties for drinking water applications.

EPDM facts and features

- Many country specific drinking water approvals
- Can be used for some chemicals, where PTFE or PFA is not required
- Can be used for some food and beverage applications with pipe sizes greater than DN 100/4"
- Not to be used for wastewater applications, where hydrocarbons can be present.

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 (1/2"...78")	-10/+70 °C (+14/+158°F)	0.01-40 bar (0.15-580 psi)	Drinking water
MAG 5100 W	DN 25...DN 1200 (1/2"...48")	-10/+70 °C (+14/+158°F)	Full bore sensor: DN 25...DN 40 (1"...1 1/2") 0.01-40 bar (0.15-580 psi) Coned bore sensor: DN 50...DN 300 (2"...12") 0.03-20 bar (0.44-290 psi) Full bore sensor: DN 350...DN 1200 (14"...48") 0.01-16 bar (0.15-232 psi)	Drinking water
MAG 8000	DN 25...DN 600 (1"...24")	0/+70 °C (+32/+158°F)	Full bore sensor: DN 25...DN 40 (1"...1 1/2") 0.01-40 bar (0.15-580 psi) Coned bore sensor: DN 50...DN 300 (2"...12") 0.03-20 bar (0.44-290 psi) Full bore sensor: DN 350...DN 600 (14"...24") 0.01-16 bar (0.15-232 psi)	Drinking water