



PACKING FLUID FOR RITTER GAS METERS
Ondina 909
Data Sheet

01.41
V 1.0
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1. General

Ondina 909 is a medical mineral White Oil, paraffinic, aromatic-free. It is colourless, clear and odourless.

2. Application

Ondina 909 can be used in all **RITTER** Drum-type Gas Meters. As opposed to water as a Packing Fluid, Ondina 909 can be used under 0°C as well. It also has a lower evaporation rate. Because of this, the Packing Liquid level remains stable over a longer period of time. This leads to an improvement in the repeatability of measurement results, and in a reduction in the required frequency of Packing Liquid level monitoring.

The use of Ondina 909 is further recommended when the gas should remain dry or when the gas reacts with water.

Not appropriate for chlorine gas.

3. Advantages

- Use under 0°C
- less evaporation than water due to its lower vapour pressure, resulting in greater stability of the Packing Fluid level and in more consistent measurement result
- the gas remains dry
- in general, a lower chemical reactivity with water

4. Solubility (in ml/ml at 1 bar, 20°C)

Hydrogen	0,07
Nitrogen	0,08
Carbon Monoxide	0,09
Air	0,10
Argon	0,15
Oxygen	0,16
Methane	0,30
Carbon Dioxide	1,20
Ethane	2,80
Ethylene	2,80
Acetylene	4,00
Propylene	14,00
Propane	19,00
Butane	40,00

5. Properties

Viscosity:	20 °C	6.2	cSt (=mm ² /sec)
	40 °C	3.8	cSt
Density:	15 °C	0.825	g/ml
Vapour pressure:	20 °C	< 0.01	mbar
Pour point:	-9 °C		
Flashpoint:	125 °C		
Appearance:	Colourless, clear. odourless fluid		