



## limitent · limitron Hardness Monitoring Unit

Connection diameter 3/4"–2"

Automatic hardness monitoring units for the protection of reverse osmosis systems. These units continuously monitor the hardness of water produced by softening equipment. For their operation neither water nor chemicals are consumed.

Picture: Hardness Monitoring Unit limitent

## Hardness Monitoring Unit limitent

### Design

**Differential pressure valve**, for metering of water flow

**Hardness sensor**, resin expansion/shrinkage-based, with isolation valves

**Spare sensor** for replacement following exhaustion due to malfunction of softener

**Transmitter unit**, with Reed contact

**Control system** with

**LED's** for operation and „hard water“ alarm

**Output** for malfunction signal; floating changeover contact for initiating an optical or acoustic signal or shutting down a downstream reverse osmosis unit

**Connecting cable** (1,75 m) with earthed plug

Electrical equipment in accordance with VDE 0100 part 600 and VDE 113 part 1

## Hardness Monitoring Unit limitron

limitron hardness monitoring units can only be used in combination with hercopur reverse osmosis units. The hercotron microprocessor control system used in these reverse osmosis units already includes the control functions required for limitron hardness monitoring units.

The hard water signal is transmitted to the reverse osmosis unit control system and to a floating changeover contact.

### Design

Similar to the limitent hardness monitoring unit, but without control part and connecting cable.

<b>Technical Data limitent</b>		<b>¾"</b>	<b>1"</b>	<b>1 ¼"</b>	<b>1 ½"</b>	<b>2"</b>
Connection diameter	inch	¾"	1"	1 ¼"	1 ½"	2"
Max. flow rate	m <sup>3</sup> /h	2.5	7.0	12.0	16.0	25.0
Min. flow rate	m <sup>3</sup> /h	0.025	0.2	0.5	1.5	3.0
Max. pressure drop	bar	0.2	0.2	0.2	0.2	0.2
Min./max. feedwater pressure	bar	2/6	2/6	2/6	2/6	2/6
Min./max. feedwater temp.	°C	5/35	5/35	5/35	5/35	5/35
Max. Ambient temperatur	°C	40	40	40	40	40
Power supply	V/Hz	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Changeover contacts		floating	floating	floating	floating	floating
Max. load	V / A / W	250 / 5 / 600	250 / 5 / 600	250 / 5 / 600	250 / 5 / 600	250 / 5 / 600
Code no.		370 037	370 067	370 043	370 068	370 055
Spare limitent sensor Code no.		370 031	370 031	370 031	370 031	370 031
<b>Technical Data limitron</b>		<b>¾"</b>	<b>1"</b>	<b>1 ¼"</b>	<b>1 ½"</b>	<b>2"</b>
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Max. pressure drop	bar	0.2	0.2	0.2	0.2	0.2
Min./max. feedwater pressure	bar	2/6	2/6	2/6	2/6	2/6
Min./max. feedwater temp.	°C	5/35	5/35	5/35	5/35	5/35
Max. Ambient temperatur	°C	40	40	40	40	40
Changeover contacts		floating	floating	floating	floating	floating
Max. load	V / A / W	50 / 0.15 / 3	50 / 0.15 / 3	50 / 0.15 / 3	50 / 0.15 / 3	50 / 0.15 / 3
Code no.		370 038	370 069	370 044	370 070	370 063
Spare limitent sensor Code no.		370 031	370 031	370 031	370 031	370 031