

### LRG 16-40 / 17-40

The conductivity electrode LRG 16-40 / 17-40 works acc. to the conductivity measurement principle.

### LRG 16-41

The conductivity electrode LRG 16-41 features 4 electrodes working according to the conductivity measurement principle.

The LRG 16-4x / 17-40 is designed for signalling the TDS value (→ conductivity) in electrically conductive liquids:

- Conductivity permanently within predefined control range of the electrode.

The LRG 16-4x / 17-40 is to be used in conjunction with the conductivity controller LRR 1-40 or further system components.

The conductivity data are transferred to the conductivity controller or other system components via CAN data bus.

### LRR 1-40

The conductivity controller LRR 1-40 is used in conjunction with conductivity electrode LRG 16-40 / 17-40 for conductivity monitoring and control. The conductivity controller has the following functions:

- Two limits with one switchpoint each (high-level alarm, low-level alarm) or high-level alarm and intermittent blowdown program control.
- Three-position control with predefined proportional band.
- Conductivity maintained within the control band defined by preset limits.

The LRR 1-40 features an optional output for a standard signal 4-20 mA. The conductivity data are transferred from the electrode to the controller via CAN data bus.

### URB

see page 88

### LRGT 16-1 / LRGT 17-1

The compact system LRGT 16-1 / 17-1 features 2 electrodes working acc. to the conductivity measurement principle.

### LRGT 16-2

The compact system LRGT 16-2 features 4 electrodes working acc. to the conductivity measurement principle.

The LRGT 16-x / 17-1 is designed for signalling the TDS value (→ conductivity) in electrically conductive liquids:

- Conductivity permanently within predefined control range of the electrode.

The LRGT 16-x / 17-1 has a conductivity transmitter integrated in the terminal box for producing a standard signal 4-20 mA.

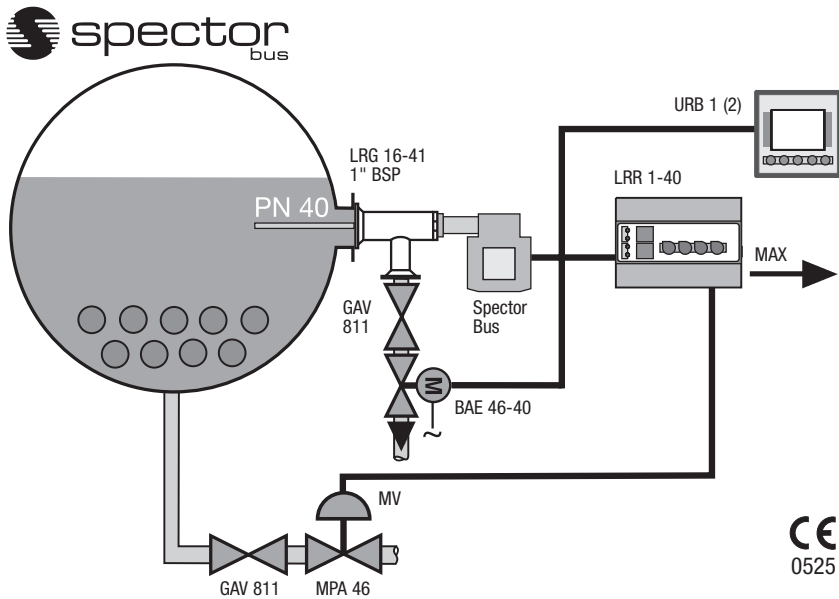
### KS 90

The industrial controller KS 90 comes with a self-optimising feature as standard. In addition to the controller output it has also an integrated max. limit value so as to fulfill the requirements of TRD 604 for 72 hrs operation. The setpoint and the actual value are indicated by a LED display.

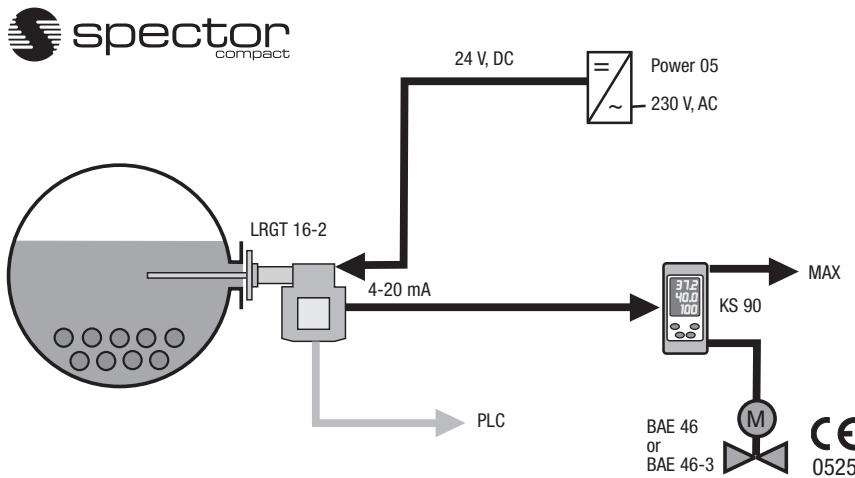
### Power 05

The Power 05 serves as a 24 V DC power supply unit for the compact system LRGT 16-1 / 17-1.

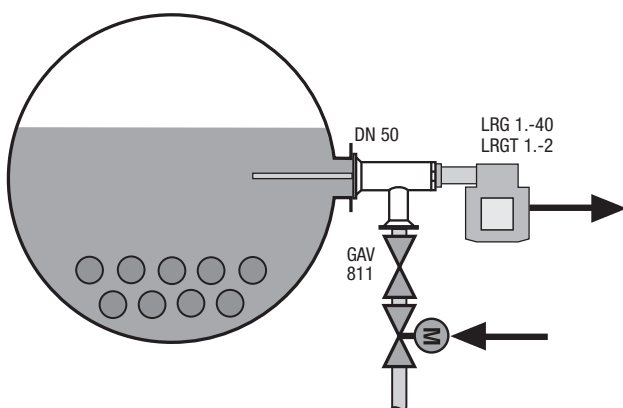
**Automatic continuous blowdown with limit signalling and  
intermittent blowdown – automatic temperature compensation –**



**Signalling of max. conductivity value/automatic intermittent blowdown  
– automatic temperature compensation –**



**Tee piece**



Spector Bus	PN	Stock code
LRG 16-41, 600 mm	40	3772946
Tee piece 50/25" 1)	40	147095
LRR 1-40		3802241
URB 1		3381043
<b>BAE 46-40</b>		
< DN 15 mm	40	3891204
< DN 20 mm	40	3891404
< DN 25 mm	40	3891504
< DN 40 mm	40	3891704
< DN 50 mm	40	3891804
<b>MPA 46</b>		
< 6 t/h DN 25 mm	40	3661500
< 28 t/h DN 40 mm	40	3661700
Solenoid valve 340C ½" BSP	40	050334
Strainer GSF 335 ¼" BSP	40	067688
Reducer ½" BSP – ¼" BSP	40	051539
LRG 17-40, 600 mm	63	3772846
Tee piece 50/25" 1)		1500989
LRR 1-40		3802241
URB 1		3381043
<b>BAE 47-40</b>		
< DN 25 mm	63	3901504
< DN 40 mm	63	3901704
< DN 50 mm	63	3901804
<b>MPA 47</b>		
< 6 t/h DN 25 mm	63	3671500
< 28 t/h DN 40 mm	63	3671700
Solenoid valve 340C ½" BSP		050334
Strainer GSF 335 ¼" BSP		067688
Reducer ½" BSP – ¼" BSP		051539

1) Approval in acc. with PED 97/23/EC, module A

Type approval: TÜV WÜL 07-007  
EG BAF-MUC-02 03 103881 003



Spector Compact	PN	Stock code
LRGT 16-2, 380 mm	40	3773145
KS 90		2661444
Power supply unit Power 05		3373041
LRGT 17-1, 400 mm	63	3772645
KS 90		2661444
Power supply unit Power 05		3373041

Type approval: TÜV WÜL 06-003  
EG BAF-MUC-02 04 105620 001

TÜV and EC type approval only in combination with KS 90.



**Tee Piece**

Approved in acc. with PED 97/23 EC PN 40

Approved in acc. with PED 97/23 EC PN 63