

Description

Level pot for external installation of level electrodes

Stop Valve GAV

Purpose

For isolating and throttling non-corrosive and aggressive gases, steam and liquids, e. g. air, steam, gas, oil etc. in all industries.

GAV Features

- With valve-spindle packing
 - Detachable locking device for all sizes
 - Optional limit switch(es)
- Y-type drain valve 17/213

Additional equipment for the installation of liquid-level alarms

SRL-63

Purpose

In combination with external low-level alarms for monitoring the periodic purging of level pots or, generally, as timer for monitoring any periodic function.

Particularly suitable for steam plant operation to TRD 602/604.

Design

All-electronic logic unit **SRL-63** for continuous monitoring, with three LEDs (stand-by, purging, switching off) with case for mounting on walls.

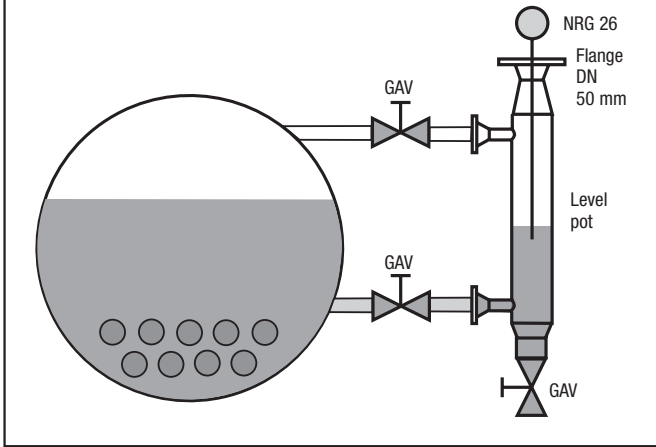
Operation

The monitoring equipment with Mini-PLC periodically activates a memory for a defined period of time. During this period the memory registers all functional operations, e. g. purging of the level pot. If this signal is not received within the fixed period, the plant is shut down. The plant is also shut down if the purging process lasts for more than five minutes.

Type code of level pots

Feature	Value	Designation	MF 206-1STT 118 P / 214 P / 312 G >
Component	Level pot	MF	↑
Design: (side connection)	1 Side connection	10	↑
	2 Side connection	20	↑
	4 Side connection 90°r	40	↑
	4 Side connection 90°l	41	↑
	4 Side connection 180°	42	↑
	4 Side connection 90°R+90°L	60	↑
Nominal pressure	PN 16	4	↑
	PN 40	6	↑
	PN 63	7	↑
	PN 160	9	↑
Size	88.9	1	↑
	114.3	2	↑
Material	Steel type ST 35.8	S	↑
	High-temperature steel 15 MO 3	W	↑
	Austenitic	A	↑
In accordance with	AD-Bulletin	A	↑
	TRD	T	↑
	Others	S	↑
Approved by	TÜV	T	↑
	Works inspector	W	↑
	Others	S	↑
Connection (N 1)	3/4" BSP	114 G	↑
	1" BSP	115 G	↑
	1 1/4" BSP	116 G	↑
	1 1/2" BSP	117 G	↑
	DN 50 mm	118 P	↑
	DN 80 mm	120 P	↑
	DN 100 mm	121 P	↑
Boiler connection (N 2)	DN 15 mm	212 P	↑
	DN 20 mm	214 P	↑
	DN 25 mm	215 P	↑
	DN 50 mm	218 P	↑
Drain connection (N 3)	1/2" BSP	312 G	↑
	DN 20 mm	314 P	↑
	DN 25 mm	315 P	↑
Side connection 3 + 4 (N 4)	DN 20 mm	414 P	→ not required in this example
	DN 25 mm	415 P	→ not required in this example
Side connection 5 + 6 (N 5)	DN 20 mm	514 P	→ not required in this example
	DN 25 mm	515 P	→ not required in this example
Centre distance	1500	ME 1500	Centre distance ME = 1500 mm
Length (top)	e. g. 230	Spec. >	Length (top) = 230 (not < 190 mm)
Length (bottom)	e. g. 170	Spec. >	Length (bottom) = 170 (not < 140 mm)
Volume	11 l	Spec. >	11 l
Serial no.	12345 to 123460	Spec. >	Serial no. = 123456 to 123460

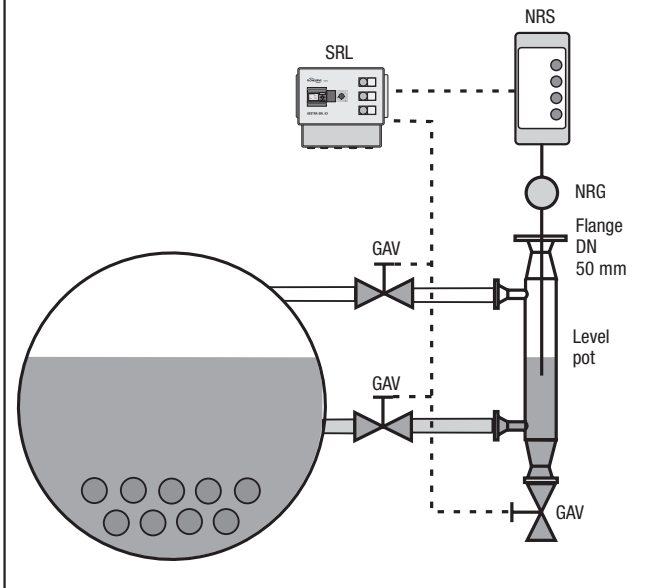
Accessories for liquid-level alarms fitted in external level control pots



Type	PN	Pressure/Temp. Ratings	
		P _{max}	t _{max}
MF 2061 STT ¹⁾ GAV 36, DN 20 17/213, 1/2" BSP	40	32 bar	238 °C
MF 2071 STT ²⁾ GAV 136, DN 25	63	60 bar	275 °C
MF 2091 STT ²⁾ GAV 136, DN 25	160	75 bar	290 °C
MF 2091 WTT ²⁾ GAV 136, DN 25	160	100 bar 96 bar	311 °C 300 °C

¹⁾ Approval acc. to PED 97/23/EC, module A1
²⁾ Approval acc. to PED 97/23/EC

Accessories for high-integrity level controls fitted in an external level control pot

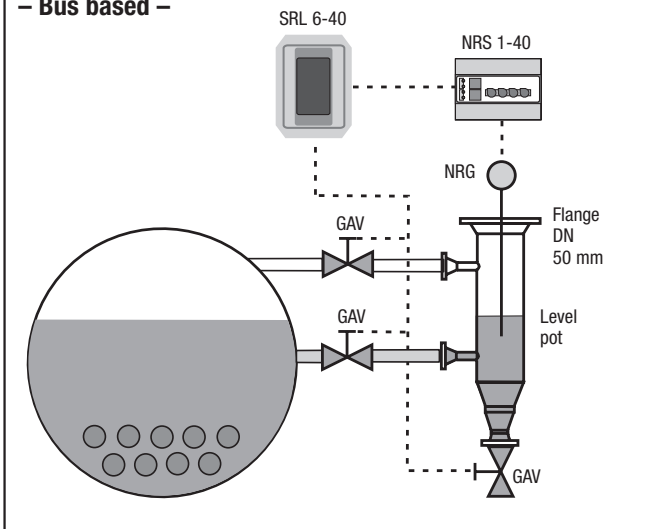


Type	DN / PN	Pressure/Temp. Ratings	
		P _{max}	t _{max}
MF 2061 STT ¹⁾ GAV 36-II GAV 36-I SRL 63	20 / 40	32 bar	238 °C
MF 2071 STT ²⁾ GAV 136-II GAV 136-I SRL 63	25 / 63	60 bar	275 °C
MF 2091 STT ²⁾ GAV 136-II GAV 136-I SRL 63	25 / 160	75 bar	290 °C
MF 2091 WTT ²⁾ GAV 136-II GAV 136-I SRL 63	25 / 160	100 bar 96 bar 96 bar	311 °C 300 °C 300 °C

¹⁾ Approval acc. to PED 97/23/EC, module A1
²⁾ Approval acc. to PED 97/23/EC

Accessories for high-integrity level controls fitted in an external level control pot

– Bus based –



Type	PN / PN	Pressure/Temp. Ratings	
		P _{max}	t _{max}
MF 2062 STT ¹⁾ GAV 36-II GAV 36-I SRL 6-40	20 / 40	32 bar	238 °C
MF 2072 STT ²⁾ GAV 136-II GAV 136-I SRL 6-40	25 / 63	60 bar	275 °C
MF 2092 STT ²⁾ GAV 136-II GAV 136-I SRL 6-40	25 / 160	75 bar	290 °C
MF 2092 WTT ²⁾ GAV 136-II GAV 136-I SRL 6-40	25 / 160	100 bar 96 bar 96 bar	311 °C 300 °C 300 °C

¹⁾ Approval acc. to PED 97/23/EC, module A1
²⁾ Approval acc. to PED 97/23/EC
 Optional SRL:
 Voltage 115 V, 24 V, 50..60 Hz

More measuring pots see page 117