

Bourdon tube pressure gauges for heating/plumbing applications



- With self-sealing connection thread (NG 50 and 63) for fast mounting
- Red maximum mark on dial (version HZ)
- Adjustable red reference pointer and green operation segment on window (version HZ)
- Corrosion-resistant housing



Mounting valves with self-sealing coating, automatically close during replacement of gauge to enable fast and cost-effective servicing (see "Accessories for pressure gauges")

Application For gaseous and liquid media which are not highly viscous, do not crystallise and do not attack copper alloys and EPDM.
! For measuring gas or vapour, these gauges must be used in accordance with the table "Selection Criteria as per EN 837-2" (see appendix)!

Technical specifications

Nominal size
50 – 63 – 80 – 100

Accuracy class (EN 837-1/6)
2.5

Ranges (EN 837-1/5)
-1/0 bar
0/0.6 to 0/25 bar

Application area
Static load: $\frac{3}{4}$ x full scale value
Dynamic load: $\frac{2}{3}$ x full scale value
Short-term: full scale value

Operating temperature range

Medium: $T_{\max} = +60\text{ }^{\circ}\text{C}$
Ambient: $T_{\min} = -20\text{ }^{\circ}\text{C}$
 $T_{\max} = +60\text{ }^{\circ}\text{C}$

Temperature performance

Indication error when the temperature of the measuring system deviates from the normal temperature of 20 °C:
rising temperature approx. $\pm 0.4\text{ } \%/10\text{ K}$
falling temperature approx. $\pm 0.4\text{ } \%/10\text{ K}$
of full scale value

Degree of protection

IP 32 (EN 60529)

Standard version

Connection

NG 50-63 G $\frac{1}{4}$ B: Self-sealing thread with PTFE ring for safe and fast installation (Attention: 60° chamfer required at female thread!)
Brass, bottom or centre back
NG 50-63 G $\frac{1}{4}$ B – spanner size SW 14
NG 80-100 G $\frac{1}{2}$ B – spanner size SW 22

Measuring element

Bourdon tube, copper alloy; "C" type tube

Movement

Brass

Dial

Plastic, white
Dial marking black

Pointer

Plastic, black

Housing

Plastic (ABS), black, highly impact-resistant and corrosion-resistant

Window

Clip-in plastic NG 80-100 with adjustable red reference pointer

Special versions

Pressure gauges for heating installations NG 50-63-80

For sealed heating systems
Range: 0/4 bar
Connection: NG 50 G $\frac{1}{4}$ B bottom back
NG 63 G $\frac{1}{4}$ B or G $\frac{3}{8}$ B
bottom or centre back
NG 80 G $\frac{1}{2}$ B bottom or
G $\frac{1}{4}$ B centre back
(with valve G $\frac{1}{4}$ x G $\frac{1}{2}$)

Dial with red mark at 2.5 or 3 bar and green sector from 1.5 to 2.5 or 3 bar, window with adjustable red reference pointer and green flag

Hydrometer NG 80-100

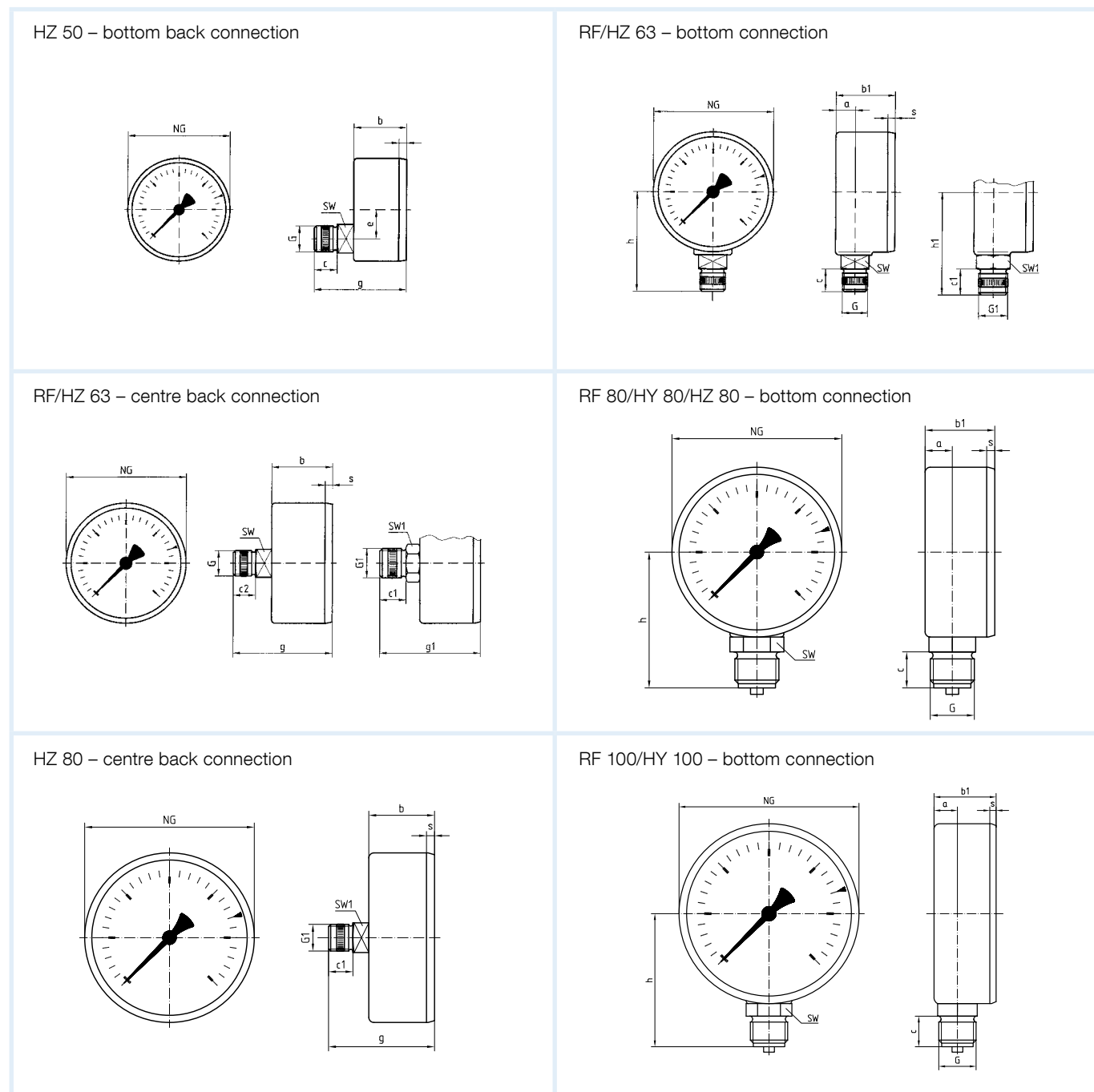
Water level indicator for open heating systems
Ranges: 0/0.6 to 0/10 bar
Connection: Brass G $\frac{1}{2}$ B bottom – SW 22
Dual scale: bar outer scale black
metres water column inner scale black
Window with adjustable reference pointer



See page 309 for prices.

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Housing types and dimensions



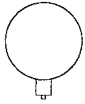

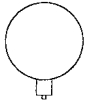

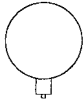
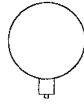
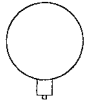

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Dimensions (mm)


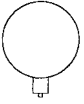

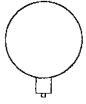

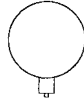
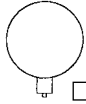

Nominal size (NG)	a	b	b1	c	c1	c2	e	g	g1	G	G1	h	h1	s	SW	Spanner size SW1
50	-	25.8	-	11.2	-	-	14	43	-	G $\frac{1}{4}$ B	-	-	-	3.8	14	-
63	9.8	30.4	29.7	11.2	13	11.5	-	49.9	50.4	G $\frac{1}{4}$ B	G $\frac{3}{8}$ B	49.5	51.5	3.7	14	17
80	12.8	31	32.8	17	11.5	-	-	50	-	G $\frac{1}{2}$ B	G $\frac{1}{4}$ B	64	-	2.8	22	14
100	15.5	-	34.5	17	-	-	-	-	-	G $\frac{1}{2}$ B	-	74	-	3.5	22	-

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DG: G, PG: 2

Type	RF 50 rad	RF 50 ax	RF 63 rad	RF 63 ax	RF 80 rad	HY 80 rad*	RF 100 rad	HY 100 rad*
Version								
Housing Ø	50	50	63	63	80	80	100	100
Housing	Plastic (ABS), black, highly impact-resistant and corrosion-resistant							
Measuring element	Bourdon tube, copper alloy							
Accuracy class	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Connection	G¼B	G¼B	G¼B	G¼B	G½B	G½B	G½B	G½B
Thread	self-sealing with PTFE sealing ring				-			
					With adjustable red reference pointer			
Range (bar)	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
Price €								
-1/0	-	-	63501	-	63551	-	63601	-
0/0.6	-	-	-	-	-	-	-	63281
0/1	-	-	-	-	63559	63570	63609	63282
0/1.6	-	-	-	-	63560	63571	63610	63283
0/2.5	-	-	63511	63536	63561	-	63611	63284
0/4	-	-	63512	63537	63562	-	63612	63285
0/6	63122	63127	63513	63538	63563	63574	63613	63286
0/10	63123	63128	63514	63539	63564	63575	63614	63287
0/16	63124	63129	63515	63540	63565	-	63615	-
0/25	-	-	-	-	63566	-	63616	-

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Type	HZ 50 ax	HZ 63 rad	HZ 63 ax	HZ 63 rad	HZ 63 ax	HZ 80 rad	HZ 80 rad	HZ 80 ax	
Version									
Housing Ø	50	63	63	63	63	80	80	80	
Housing	Plastic (ABS), black, highly impact-resistant and corrosion-resistant								
Measuring element	Bourdon tube, copper alloy								
Range	0/4 bar								
Dial	With red mark at 3 bar and green sector from 1.5 to 3 bar								
Window	Plastic with adjustable red reference pointer and green flag								
Accuracy class	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Connection	G¼B	G¾B	G¾B	G¼B	G¼B	G½B	G¼ with valve G¼ x G½	G¼ with valve G¼ x G½	
Thread	Self-sealing with PTFE sealing ring					-		Self-sealing with PTFE sealing ring	
Range (bar)	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	
Price €									
Part no.	63927	63910	63914	63911	63915	63918	63913	63919	
Dial	With red mark at 2.5 bar and green sector from 1.5 to 2.5 bar								
Price €									
Part no.	-	63908	63909	-	-	-	-	-	

* Dual scale bar/mWC