Bourdon Tube Pressure Gauges

Polyamide Screw Ring Case

RK 63 RKG 63

Standard Versions

Information on general and metrological features (load limits / temperature limitations) and standard pressure ranges / scale divisions can be found in model overview 1000.

Accuracy (EN 837-1)

Class 1.6

Class 2.5 for pressure ranges 0-600 and 0-1,000 bar (0-10,000 and 0-15,000 psi)

Case

Screw ring, rugged plastic,

glass fiber reinforced polyamide 6B

Case Protection Type (EN 60 529 / IEC 529)

IP 54,

IP 65 for model RKG

Blow-out Device

Rubber blow-out disc at the top of the case coverage

Case Ventilation

Rubber blow-out disc at the top of the case coverage

Case Filling

for model RKG: glycerine

Nominal Case Size

63 (mm) (21/2")

Wetted Parts

Type –3: Connection: 1.4571 (316 stainless steel)

Bourdon tube: 1.4571 (316 stainless steel),

argon arc welding,

≤ 60 bar (800 psi) c-form, ≥ 100 bar (1,500 psi) helical

Type -1: Connection: brass

Bourdon tube: bronze,

≤ 40 bar (600 psi) soft-soldered, c-form,

≥ 60 bar (800 psi) silver brazed, helical

Case Configuration

Connection: screwed

Position of the connection: bottom connection,

optional lower back connection **(r)**Mounting device: without, optional back flange for

surface mounting (Rh) or u-clamp for panel mounting (T), see page 2

Pressure Ranges (EN 837-1)

0-0.6 bar (0-10 psi) to 0-1,000 bar (0-15,000 psi) for type -3 0-0.6 bar (0-10 psi) to 0- 600 bar (0-10,000 psi) for type -1

Process Connection

G 1/4 B (1/4" BSP)

Window

Polycarbonate

Movement

Stainless steel for type –3 Brass/German silver for type –1

Dial

Aluminum, black figures, white background

Pointer

Aluminum, black





Ordering Information, Standard Pressure Ranges, Options:

see pages 3 and 4

Special Versions and further options among others

- Other process connections upon request
- Other pressure ranges and / or special scales, e.g. double scale bar/psi, coloured fields or areas, dial inscriptions, negative scale etc.
- · Version as refrigeration gauge with temperature scale
- Increased case protection type, e. g. IP 65 without case filling, upon request
- Other case fillings upon request
- Model RKG

for ambient temperatures down to -40 °C (-40 °F) upon request. Our recommendation for ambient temperatures below -20 °C (-4 °F); models RChg resp. RChgG

- Position of connection radial at 3 o'clock, 9 o'clock or 12 o'clock (others upon request), or other than vertical installation (90°) for dry version
- GOST-version for Russia, Ukraine, Kazakhstan
- · Sour gas-resistant version according to NACE

Accessory:

Chemical seals: see catalogue-heading 7
Other accessory: see catalogue-heading 11



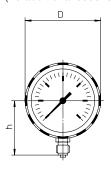
Case Configurations, Code Letters, Dimensional Data and Weights, Blow-out Device

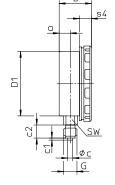
Bottom connection

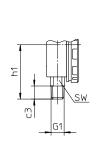
Lower back connection

No mounting device

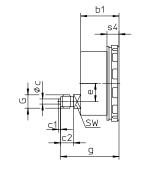
(no additional code letter)

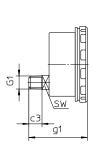






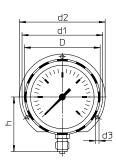
code letter: r

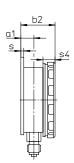




Back flange for surface mounting

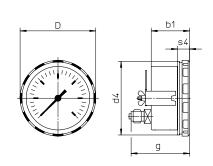
code letters: Rh





U-clamp for switch panel mounting

code letters: rT



recommended panel cut out for Ø 64.5 \pm 0.5 (0.02")

Dim	Dimensional data (mm / inches) and weights (kg / lb)																							
NCS	а	a1	b	b1	b2	b3	С	с1	c2	сЗ	D	D1	D2	d1	d2	d3	d4	е	G	G1	g	g1	h±1	h1±1
63 2 ½"	11 .43	13 .51	32 1.26	38 1.5	34 1.34	_	5 .2	2 .08	13 .51	13 .51		64 2.52	_	75 2.95		3.6 .14		18 . 71	G ¼ B ¼" BSP M 12 x 1.5	14" NPT	58 2.28	58 2.28	54 2.13	54 2.13

s	s1	s2	s3	s4	sw	SW1	approx.	weight 1) RKG
3 .12	_	_	_	12 .47	14 . 55	_	0.14 .31	0.20 .44

¹⁾ Information for version without mounting device

Ordering Information, Standard Pressure Ranges, Options

Basic Model:	Bourdon Tube Press	ure Gauge, Polyamide Screw Ring Case	RK
Case Filling	without		without code letters
· ·	glycerine	G	
	fillable version		(G)
Nominal Case Size:	case- Ø 63 (mm)		63
Wetted Material:	copper alloy		-1
	stainless steel	-3	
	Monel 0-1 bar (15 psi) to	0-1,000 bar (15,000 psi), movement stainless steel, laminated safety glass	
	bourdon tube Monel argon		
	bottom connection, optiona	al r	-6
Case Configuration:	case / connection	screwed	without code letters
	position of the connect	tion: bottom connection	without code letters
		lower back connection	r
	mounting device:	without	without code letters
		back flange for surface mounting	Rh
		u-clamp for switch panel mounting	Т
Pressure Ranges:	-1,200 - 0 mbar	30" Hg vac 0	
	-0.6 - 0 bar		
	-1 - 0 bar		
	-1 - 0.6 bar	30" Hg vac. – 15 psi	
	-1 - 1.5 bar	30" Hg vac. – 30 psi	
	-1 - 3 bar	30" Hg vac. – 60 psi	
	-1 - 5 bar	30" Hg vac. – 100 psi	
	-1 - 9 bar	30" Hg vac 160 psi	
	-1 – 15 bar	30" Hg vac. – 200 psi	
		30" Hg vac. – 300 psi	
	0 - 0.6 bar	0 – 10 psi	
	0 - 1 bar	0 – 15 psi	
	0 - 1.6 bar		
	0 - 2.5 bar	0 - 30 psi	
	0 – 4 bar	0 – 60 psi	
	0 – 6 bar	0 – 100 psi	e. g. 0-6 bar
	0 – 10 bar	0 – 160 psi	0. g. 0 0 54 1
	0 - 16 bar	0 – 200 psi	
	0 – 25 bar	0 – 300 psi	
	0 - 40 bar	0 – 600 psi	
	0 – 60 bar	0 – 800 psi	
	0 – 00 bai	0 - 1,000 psi	
	0 - 100 bar	0 – 1,500 psi	
	0 - 160 bar	0 – 1,500 psi 0 – 2,000 psi	
	0 - 250 bar		
	0 – 250 bai	,	
	0 400 bor	7	
	0 - 400 bar	0 - 5,000 psi	
	0 000 hav	0 - 6,000 psi	
	0 – 600 bar	0 - 10,000 psi	
	0 - 1,000 bar f	or type –3 and –6 0 – 15,000 psi	
B	atomalousi tissas sila	2.1/ D (1/ IDCD)	C 1/ B
Process Connection:		6 ¼ B (¼"BSP) -1 max. 0- 600 bar;	G 1/4 B
		4" NPT = 3 and =6 max, 0-1,000 bar	1/4" NPT
		M 12 x 1.5	M 12 x 1,5
		6 1/8 B (1/8 "BSP) —1 and —6 max. 0- 400 bar;	G 1/8 B
		%" NPT	1/8" NPT
Outland			
Options:	see page 4		

Further Options regarding Ordering Information

Basic Model:	Bourdon Tube Pres	sure Gauge, Polyamide Screw Ring Case	•	RK			
Model Code:				see page 3			
Options:	adjustable pointer						
	red mark	on the dial					
	stationary	on the dial,					
	red pointer	adjustable when removable ring					
	ata Para a	adication was also minus burnes winderlands at					
	stationary red pointer	adjusting mechanism brass, nickelplated with convex window made of acrylic glass, screwed					
	red pointer	adjustable externally	removable key				
		adjustable externally	non-removable key				
		adjusting mechanism stainless steel	non removable key				
		with convex window made of acrylic glass, screwed					
		adjustable externally	removable key				
		,	non-removable key				
			·				
	min or max	adjusting mechanism brass, nickelplated					
	drag indicator	with convex window made of acrylic glass, screwed					
	2.5 bar (30 psi) and above	adjustable externally	removable key				
			non-removable key				
		adjusting mechanism stainless steel					
		with convex window made of acrylic glass, screwed					
		adjustable externally	removable key				
			non-removable key				
	receiver gauge 0.2-1	bar, scale 0-100%	linear				
			square				
	anagial adjustment (veterence neinte adductives a v 100 KN 0 705 k	and values a re 100 VAL 0 705 hard				
		reference points = odd values, e. g. 100 KN = 8.735 b laminated safety glass¹¹ for type -1					
	window	acrylic glass (PMMA)					
		acrylic glace (i iviivii i)	(order at the moment as cleartext)				
	movement	stainless steel for type -1 (for -3 and -6 stand					
	density examination	with helium leak detection up to					
	of the measuring unit	10 ⁻⁹ mbar l/s for types –3 and –6					
	wetted parts, free of	adjustment - 050 hay (2,000 noi) with day air - 400	har (F 000 nai) with				
	grease and oil, up to	adjustment \leq 250 bar (3,000 psi) with dry air, \geq 400 distilled water, dial marking: symbol cancelled oil ca					
	0-600bar (0-10,000 psi)						
	oxygen version up to 0-600 bar ²⁾	öfree of grease and oil, additional restrictor screw in	the inlet port,				
	(0-10,000 psi)	orifice Ø 0.3 mm (0.01"), dial inscription: oxygen no version according to EN 837-1 ³⁾					
	silicone-free version						
	restrictor screw in	orifice Ø 0.8 mm (0.03")					
	pressure inlet port	orifice Ø 0.6 mm (0.02") (not Monel)					
	material: as process connection brass, stain-	orifice Ø 0.3 mm (0.01") (not Monel)					
	less steel or Monel						
	measuring point	stainless steel-plate12 mm x 55 mm (0.47" x	2.17"), wire mounting				
	marking	or sticker on case coverage					