

Capsule Gauge for Low Pressure

Crimped-on Ring Case Stainless Steel

KPChg 63
KPChgG 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 6000.

Accuracy (EN 837-3)

Class 1.6

Case

with polished crimped-on ring, 1.4301 (304 stainless steel)

Case Protection Type (EN 60 529 / IEC 529)

IP 44 for model KPCh with bottom connection
IP 54

Case Ventilation

Model KPChgG Blow-out plug
Ventilation required for internal pressure compensation

Case Filling

for model KPChgG: Glycerine

Nominal Case Size

63 (mm) (2½")

Wetted Parts

Type -1: Connection: brass
Diaphragm capsule: CuBe-alloy
O-ring sealing: NBR

Type -3: Connection: 1.4571 (316 stainless steel)
Diaphragm capsule: 1.4571 (316 stainless steel)
O-ring sealing: FPM

Case Configuration

Connection: screwed
Position of the connection: bottom connection,
optional: centre back connection (rm)
without, optional back flange for
surface mounting (Rh) / front flange
for panel mounting (Fr) or
u-clamp for panel mounting (BFr),
see page 2

Mounting device:

Pressure Ranges (EN 837-3)

KPChg 0- 25 mbar (0-10 "WC) to 0-600 mbar (0-250 "WC)
KPChgG 0-100 mbar (0-40 "WC) to 0-600 mbar (0-250 "WC)

Process Connection

G ¼ B (¼" BSP)

Window

Polycarbonate (punched for zero adjustment)

Movement

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

Dial

Aluminium, black figures, white background

Pointer

Aluminium, black

Zero Adjustment

Frontsided



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 mbar/kPa, coloured fields or areas, dial inscriptions, negative scale etc.
- Case parts 1.4404 (316 L stainless steel) upon request
- Increased case protection type, e.g. IP 65 upon request
- Wetted parts free of grease and oil for type -3 upon request
- Oxygen version for type -3 without case filling upon request
- Execution for higher medium temperatures upon request
- Position of the connection radial at 3 o'clock, 9 o'clock, 12 o'clock (others upon request) or position of connection other than vertical installation (90°) for types without case filling
- GOST-version for Russia, Ukraine, Kazakhstan

Accessory

see catalogue heading 11



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Ordering Information with Standard Pressure Ranges, Options

Basic Model:		Capsule Gauge for Low Pressure, Crimped-on Ring Case				KPChg	
Case Filling:	without					without code letters	
	glycerine					G	
Nominal Case Size:	case-Ø 63 (mm) (2½")				63		
Wetted Material:	copper alloy				-1		
	stainless steel				-3		
Case Configuration:	case / connection	screwed			without code letters		
	position of the connection	bottom			without code letters		
		centre back			rm		
	mounting device	without				without code letters	
back flange for surface mounting				Rh			
front flange for panel mounting				Fr			
u-clamp for panel mounting				BFr			
Pressure Ranges:	mbar			inchWC			
	Vacuum	Compound Ranges	Pressure	Vacuum	Compound Ranges	Pressure	
	-25 - 0	-10 - 15 -15 - 10	0 - 25	-10 - 0	-4 - 6 -6 - 4	0 - 10	
	-40 - 0	-15 - 25 -25 - 15	0 - 40	-16 - 0	-6 - 10 -10 - 6	0 - 16	
	-60 - 0	-20 - 40 -40 - 20	0 - 60	-25 - 0	-10 - 15 -15 - 10	0 - 25	
	-100 - 0	-40 - 60 -60 - 40	0 - 100	-40 - 0	-15 - 25 -25 - 15	0 - 40	
	-160 - 0	-60 - 100 -100 - 60	0 - 160	-60 - 0	-20 - 40 -40 - 20	0 - 60	
	-250 - 0	-100 - 150 -150 - 100	0 - 250	-100 - 0	-40 - 60 -60 - 40	0 - 100	
	-400 - 0	-150 - 250 -250 - 150	0 - 400	-160 - 0	-60 - 100 -100 - 60	0 - 160	
	-600 - 0	-200 - 400 -400 - 200	0 - 600	-250 - 0	-100 - 150 -150 - 100	0 - 250	
	e.g. 0-160 mbar						
	Process Connection:	standard thread	G ¼ B (¼" BSP)				G ¼ B
		options:	¼" NPT				¼" NPT
M12x1.5				M 12 x 1.5			
G ⅝ B (⅝" BSP)				G ⅝ B			
⅝" NPT				⅝" NPT			
M10x1				M 10 x 1			
Options:	see page 4						
Example:						KPChg 63-1, 0-160 mbar, G ¼ B	

Further Options regarding Ordering Information

Basic Model:	Capsule Gauge for Low Pressure, Crimped-on Ring Case	KPChg																								
Model Code:		see page 3																								
Options:	<p>red mark on the dial</p> <p>plastic clip red or green external at the crimped-on ring</p> <p>special adjustment</p> <p>blow-out plug 24 (reclosable)¹⁾</p> <p>case ventilation no. 22 for outdoor installation¹⁾</p> <p>case polished</p> <p>silicone-free version</p> <p>restrictor screw in orifice Ø 0.3 mm (0.01")</p> <p>pressure inlet portl</p> <p>material: as process connection, brass or stainless steel</p> <p>overrange protection (üs) and / or low pressure protection (us)²⁾</p> <table border="1" data-bbox="549 577 1187 1003"> <tr> <td>for types -1 (copper alloy)</td> <td>3-times üs or u³⁾</td> <td></td> </tr> <tr> <td></td> <td>10-times üs</td> <td>0 - 25 mbar and above</td> </tr> <tr> <td></td> <td>10-times us</td> <td>-100- 0 mbar and above</td> </tr> <tr> <td>combinationn</td> <td>10-times üs and 10-times us</td> <td>only for gauge-vacuum-ranges for spans 100 mbar (40 "WC) and above</td> </tr> <tr> <td>for types -3 (stainless steel)</td> <td>3-times üs or us³⁾</td> <td></td> </tr> <tr> <td></td> <td>10-times üs</td> <td>0 - 25 mbar and above</td> </tr> <tr> <td></td> <td>10-times us</td> <td>-100- 0 mbar and above</td> </tr> <tr> <td>combination</td> <td>10-times üs and 3-times us</td> <td>only for gauge-vacuum-ranges for spans 40 mbar (16 "WC) and above</td> </tr> </table> <p>measuring point marking with stainless steel-plate 12 mm x 55 mm (0.47" x 2.17"), wire mounting or sticker on the case coverage</p>	for types -1 (copper alloy)	3-times üs or u ³⁾			10-times üs	0 - 25 mbar and above		10-times us	-100- 0 mbar and above	combinationn	10-times üs and 10-times us	only for gauge-vacuum-ranges for spans 100 mbar (40 "WC) and above	for types -3 (stainless steel)	3-times üs or us ³⁾			10-times üs	0 - 25 mbar and above		10-times us	-100- 0 mbar and above	combination	10-times üs and 3-times us	only for gauge-vacuum-ranges for spans 40 mbar (16 "WC) and above	<p>(order at the moment still as cleartext)</p>
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Special Versions: Please describe your requirements clearly

¹⁾ only for version -1 and span 100 mbar and above

²⁾ max. - 1000 mbar

³⁾ only for dry versions

Changes, replacement of materials and printing errors excepted