



- 2 Type**
 - B Without rest position
 - C With rest position
- 3 Identification**
 - FH Knob side Hygienic Design (front hygiene)

d ₁ Pin f8 Bore H8	d ₂	d ₃	d ₄	d ₅	l ₁	l ₂	l ₃	k	A/F	Spring load in N ≈	
										Initial	End
6	35	M 12 x 1,5	18	22,8	6	12	50,8	30	14	20	36
8	35	M 16 x 1,5	18	22,8	8	12	55,3	30	14	22	32

Specification

- Guide / Plunger pin / Knob**
Stainless steel AISI 316
Plunger pin surface hardened
- Pressure spring**
Stainless steel AISI 316Ti
- Seals**
 - Blue
 - FDA compliant material
 - Operating temperature -25 °C to +110 °C
 - Sealing ring
H-NBR, hardness 85 ±5 Shore A **H**
 - Wiper
TPU, hardness 95 ±5 Shore A

All moving parts
lubricated with FDA compliant grease
RoHS

Technical Information	Page
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ISO Fundamental Tolerances	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

Indexing plungers GN 8170 are certified according to DGUV Test guidelines and meet hygiene requirements on the knob side (front hygiene). Wipers between the knob and the guide as well as the sealing ring between the guide and the housing keep the locking mechanism on the knob side leak-tight. At the same time, the high surface quality (Ra < 0,8 µm) and dead-space-free mounting prevent dirt from adhering and facilitate cleaning. Indexing plungers with a rest position (Type C) are used for such applications where the plunger has to stay in its retracted position. In that case, the knob is retracted and afterwards turned by 90°. A notch keeps the plunger in this position. Mounting holes and through-holes in the housing must be at a right angle, free of burrs and without a chamfer. This ensures that the sealing rings will function properly.

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Accessory	Page
GN 7600 Sealing Rings	QVX

How to order	
1 d ₁	
2 Type	
3 Identification	
4 Material (Sealing ring)	

GN8170-8-C-FH-H