RCA

3/4-16 UNF, M22x1.5 • p_{max} 200 bar (2900 PSI)

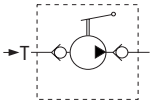


Technical Features

- Push to pressurize
- Simple and reliable design
- Built-in pressure and suction check valves
- Handle beam can be rotated by 360°, to suit the available space
- Optional dust cuff for piston protection
- In the standard version, the pump is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

Symbol



RCA-A2, Push to pressurize
This version provides flow of up to 7 cm³ (0.43 in³) per stroke at a pressure of 200 bar (2900 PSI). Built-in check valves make the pump a reliable device for generating volumetric flow.

RCA-RA2, Push to pressurize
This version provides flow of up to 5 cm³ (0.31 in³) per stroke at a pressure of 200 bar (2900 PSI). Built-in check valves make the pump a reliable device for generating volumetric flow.

Note: During operation the shaft will become lightly coated with an oil film from the internal high pressure circuit. The piston rod protruding from the hand pump may appear damp with oil after use. This is desirable as it lubricates the shaft seal, reducing friction and assuring optimal shaft seal life.
For generating pressures over 160 bar (2320 PSI), longer hand-lever is recomended.

Technical Data

Hand pump size / cartridge cavity		3/4-16 UNF / A2	M22x1.5 / RA2
Max. generated pressure	bar (PSI)	200 (2900)	
Max. pressure load from the circuit	bar (PSI)	250 (3630)	
Max. operating force L=500 mm (19.68 in)	N (lbf)	340 (77.2)	
Displacement per stroke	cm³ (in³)	7±1 (0.43±0.06)	5±1 (0.31±0.06)
Fluid temperature range (NBR)	°C (°F)	-30 .... +100 (-22 ... +212)	
Fluid temperature range (FPM)	°C (°F)	-20 .... +120 (-4 ... +248)	
Service life	cycles	500 000	
Weight of valve	kg (lbs)	0.72 (1.59)	0.70 (1.54)
Weight of lever	kg (lbs)	0.42 (0.91)	

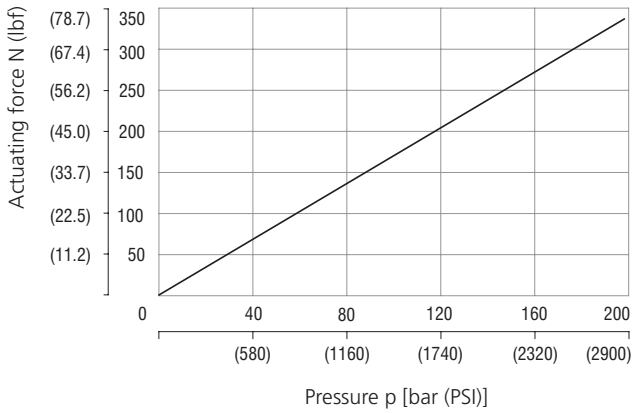
	Data Sheet	
General information	GI_0060	Products and operating condition
Cavity details	SMT_0019	
Spare parts	SP_8010	

Characteristics measured at ν = 32 mm²/s (156 SUS)

Operating limits

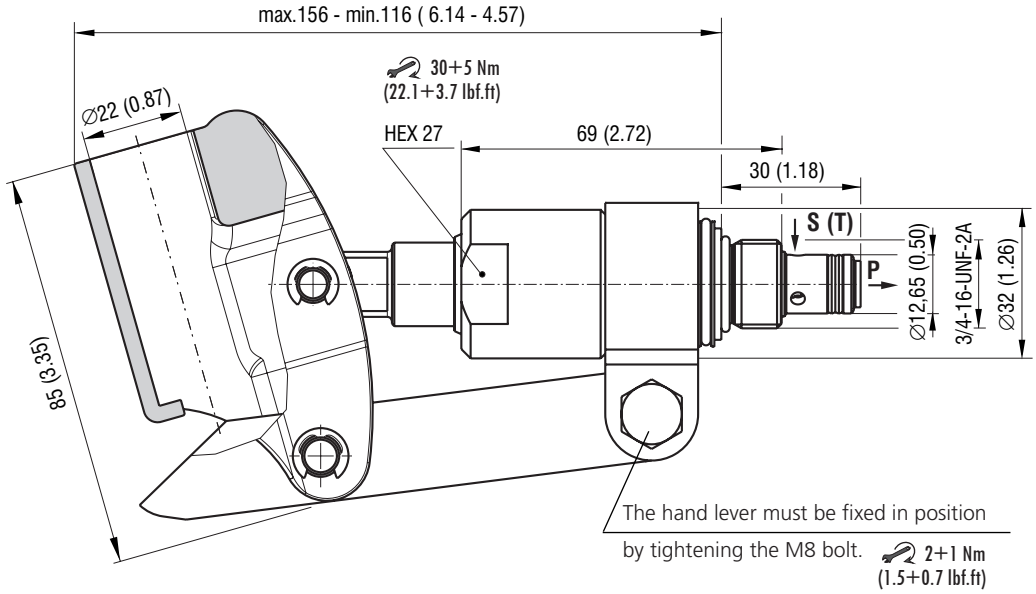
Manual force on the lever at max. pressure 200 bar

Warning:
Pressurising of input pump port can cause spontaneous lever moving and injuring of operator.

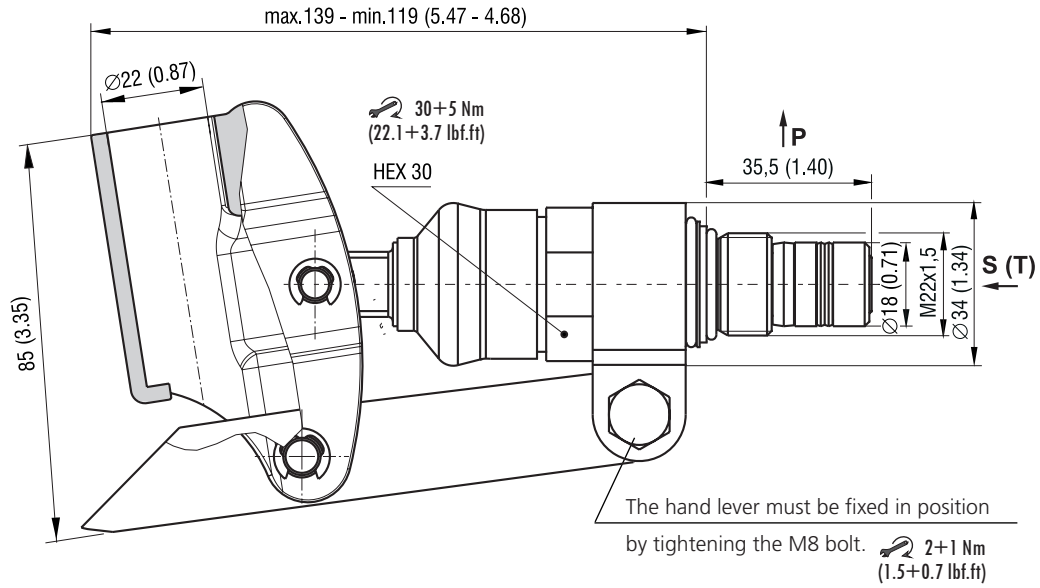


Dimensions in millimeters (inches)

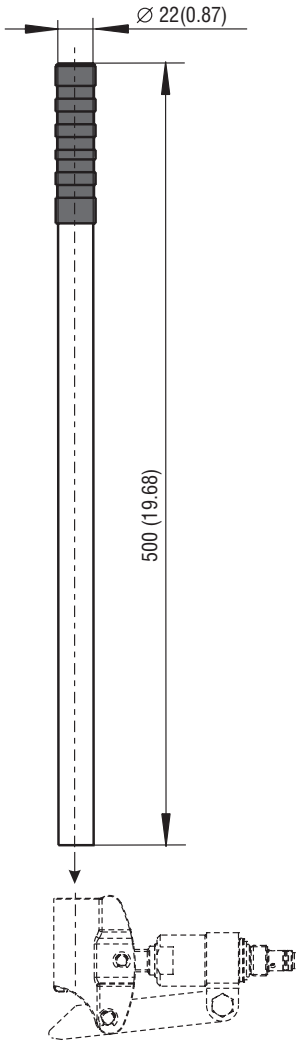
RCA-A2



RCA-RA2



L500



Type	Ordering number
L500	23476200

Ordering Code

RCA - □ - □ □ □ - □

Hand pump, push-type

Cavity thread size
3/4-16 UNF-2A — **A2**
M22x1.5 — **RA2**

Dust cuff
without dust cuff — **No designation**
with dust cuff — **1**

Actuation element
L without lever
L500 lever, 500 mm (19.7 in)

Seals
No designation NBR
V FPM (Viton)

Surface treatment
A zinc-coated (ZnCr-3), ISO 9227 (240 h)
B zinc-coated (ZnNi), ISO 9227 (520 h)