Pneumatic actuator for valves
Type 3f1, Size I

Technical data

Diaphragm area:	250 cm²
Diameter:	250 mm
Control pressure:	max. 6 bar
Thread connection:	G1/4“
Stroke:	15, 20, 30, 35, 40 mm
Spindle sealing:	O-Ring, maintenance free
Operating mode:	Spring moves spindle upwards / downwards (reversible)
Rods distance:	100 mm
Connection to valve spindle:	coupling ring ø20 x 10 mm with thread M10 or M12
Mounting position:	vertical to horizontal
Max. ambient temperature:	-20°…80°C
Weight:	9 kg



Accessories, special types**:**
I/P-Positioner, control signal 4...20 mA (see page 390 8)
P/P-Positioner, control signal 0,2...1,0 bar (see page 390 5)
Electro-pneum. transformer (see page 390 3)
Solenoid valve for operating air (see page 393)
Limit switches (see page 39e)
Inductive limit switches (on request)
Manual operating device (see page 39h)

Order text:
Pneumatic actuator
Spring moves spindle upwards / downwards
Control signal . . . - . . . bar for stroke . . . mm
Mounting rod length . . . mm
List-No. 3f1 . . .

Stroke	**Spring range (bar)**				
mm	0,4…1,2	1,0…2,0	2,0…4,0	0,9…2,2	1,8…4,4
15	X	X	X	-	-
20	X	X	X	-	-
30	X	X	X	-	-
35	-	X	X	-	-
40	-	-	-	X	X

Summary of types:

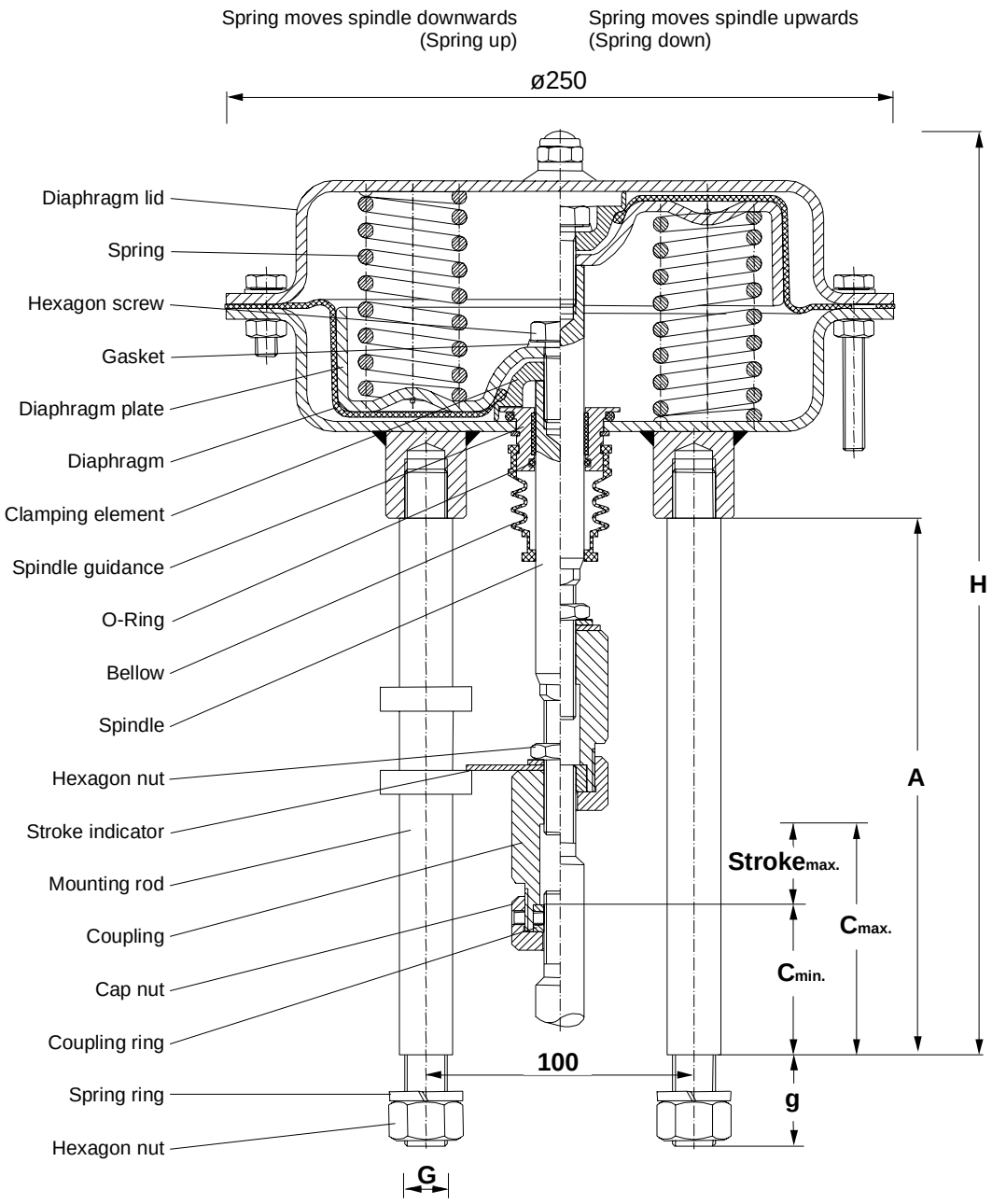
3f1 **x** **x** **x** **x**

Mounting rod length
0 = 200 mm
1 = 180 mm
2 = 230 mm

Spring range
b = 0,4…1,2 bar
c = 1,0…2,0 bar
d = 2,0…4,0 bar

Stroke
1 = 15 mm
2 = 20 mm
3 = 30 mm
4 = 35-40 mm

Reverse operating mode
r = Spring moves spindle downwards



A* mm	Cmin. mm	Cmax. mm	H mm	G mm	g mm
180	29	65	325	M12	24
200	49	85	345	M16	32
230	86	122	375	M16	32

** = Other mounting rod lengths on request*