

Spare parts list - Actuator F / F-CJ

221ELI000941

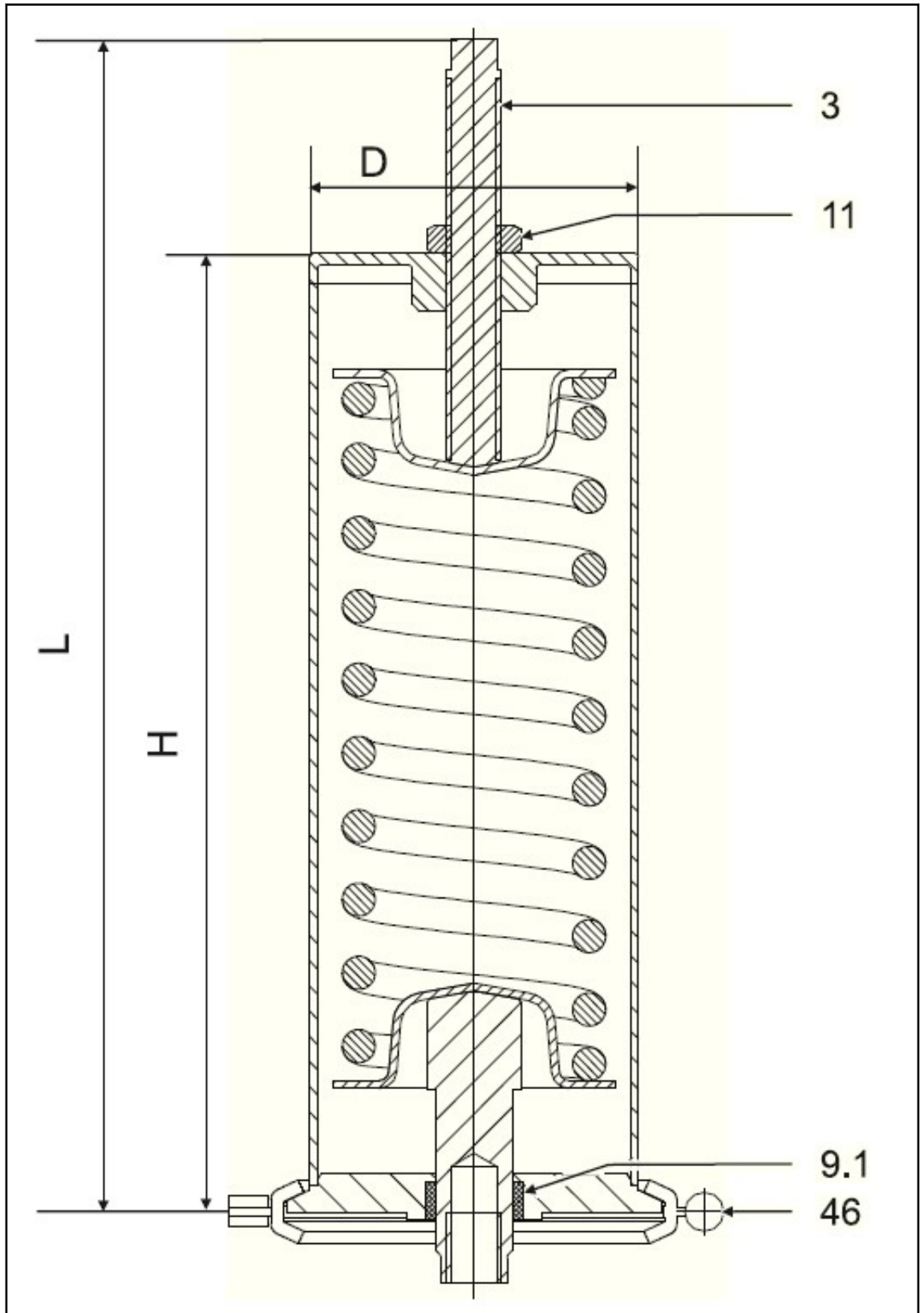


Figure 1 - Actuator F

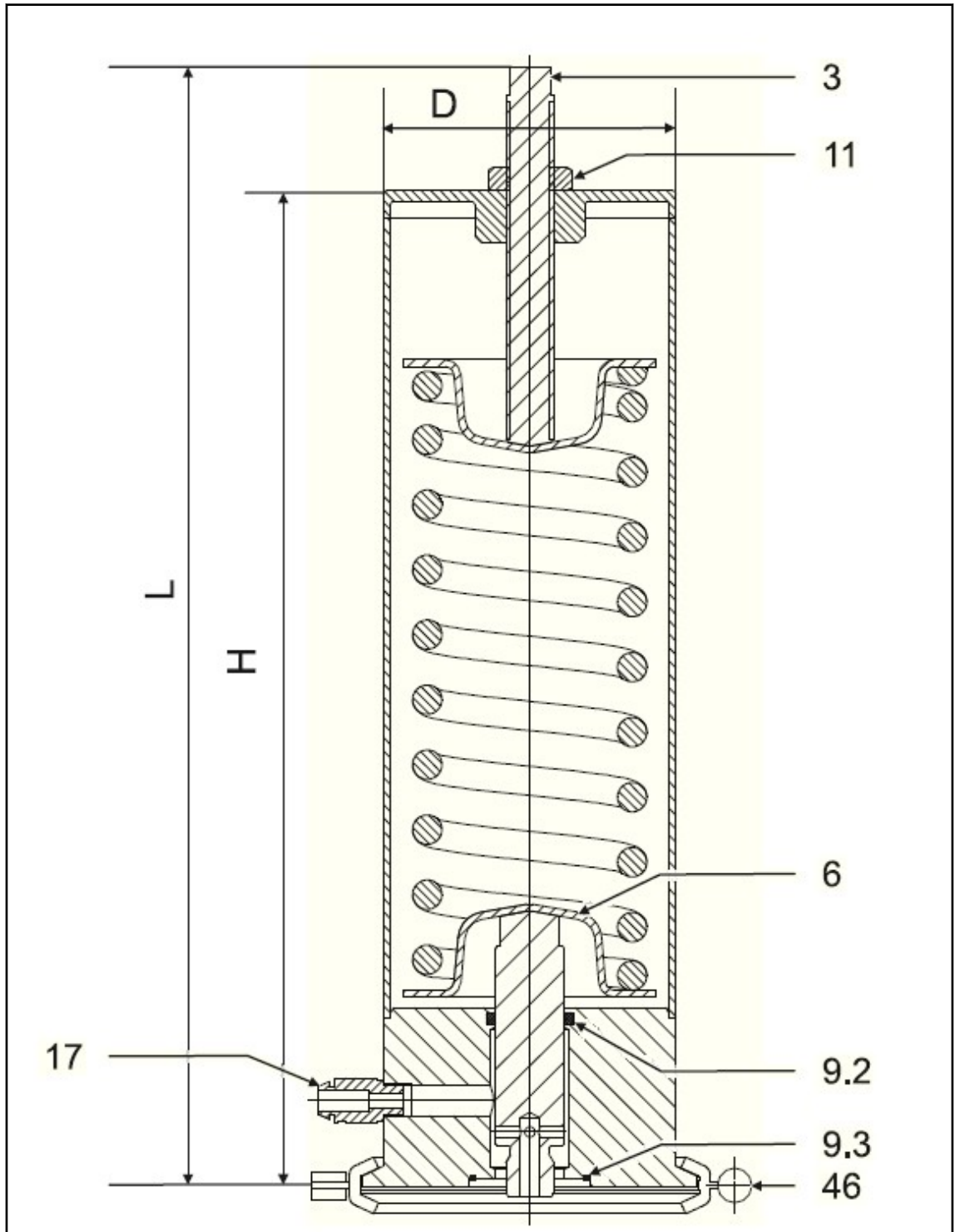


Figure 1 - Actuator F-CJ - only use in connection with actuator CJ.

Spare parts list - actuator F

| Item | Designation | Material | F 11 | F 21 | F 1 | F 2 | F 3 | F 4 |
|-------------------|-------------|----------|----------------|----------------|----------------|----------------|----------------|----------------|
| Actuator complete | | | 221-177 .10 | 221-177 .11 | 221-177 .01 | 221-177 .02 | 221-177 .03 | 221-177 .09 |
| 3 | Pin screw | A4-70 | 221-177 .05 | 221-177 .05 | 221-177 .05 | 221-177 .05 | 221-177 .05 | 221-177 .05 |
| 6 | Rod F-CJ | 1.4301 | -- | -- | -- | -- | -- | -- |

| Item | Designation | Material | F 11 | F 21 | F 1 | F 2 | F 3 | F 4 |
|------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 9.1 | Rod guide ring | Turcite | 935-017 | 935-017 | 935-017 | 935-017 | 935-017 | 935-017 |
| 11 | Hexagon nut | A2 | 910-036 | 910-036 | 910-036 | 910-036 | 910-036 | 910-036 |
| 17 | Screw-in plug connection | Brass/nickel-plated | -- | -- | -- | -- | -- | -- |
| 46 | Clamp connection | 1.4401 | 221-507 .06 | 221-507 .06 | 221-507 .06 | 221-507 .06 | 221-507 .06 | 221-507 .06 |

Table 13: Spare parts list - actuator F

Dimensions table - actuator F

| Designation | F 11 | F 21 | F 1 | F 2 | F 3 | F 4 |
|-------------|------|------|-----|-----|-----|-----|
| D | 85 | 85 | 85 | 85 | 85 | 85 |
| H | 150 | 150 | 250 | 250 | 250 | 250 |
| L | 230 | 230 | 330 | 330 | 330 | 330 |

Table 14: Dimensions table - actuator F

Response pressure - actuator F

| Metric | Inch OD/IPS | Response pressure (bar) | | | | | |
|--------|-------------|-------------------------|---------|---------|-----------|---------|--------|
| | | F 11 | F 21 | F 1 | F 2 | F 3 | F 4 |
| -- | | F 11 | F 21 | F 1 | F 2 | F 3 | F 4 |
| 25 | 1" OD | 1.5 - 4.5 | 3 - 9 | 8 - 16 | -- | -- | -- |
| 40 | 1.5" OD | -- | 1.5 - 2 | 1.5 - 5 | 4 - 15 | 14 - 16 | -- |
| 50 | 2" OD | -- | -- | 1.5 - 4 | 3 - 11 | 10 - 16 | -- |
| 65 | 2.5" OD | -- | -- | -- | 1 - 4 | 3 - 10 | 9 - 15 |
| 80 | 3" OD | -- | -- | -- | 1 - 4 | 3 - 10 | 9 - 10 |
| 100 | 4" OD | -- | -- | -- | 0.5 - 1.5 | 0.5 - 4 | 3 - 7 |

Table 15: Response pressure - actuator F

Spare parts list - actuator F-CJ

| Item | Designation | Material | F 1-CJ | F 2-CJ | F 3-CJ | F 4-CJ |
|-------------------|----------------|----------|----------------|----------------|----------------|----------------|
| Actuator complete | | | 221-177.13 | 221-177.12 | 221-177.14 | 221-177.15 |
| 3 | Pin screw | A4-70 | 221-177.05 | 221-177.05 | 221-177.05 | 221-177.05 |
| 6 | Rod F-CJ | 1.4301 | 221-00159 1 | 221-00159 1 | 221-00159 1 | 221-00159 1 |
| 9.1 | Rod guide ring | Turcite | -- | -- | -- | -- |

| Item | Designation | Material | F 1-CJ | F 2-CJ | F 3-CJ | F 4-CJ |
|------|--|---------------------|------------|------------|------------|------------|
| 9.2 | O-ring | NBR | 930-026 | 930-026 | 930-026 | 930-026 |
| 9.3 | O-ring | NBR | 930-041 | 930-041 | 930-041 | 930-041 |
| 11 | Hexagon nut | A2 | 910-036 | 910-036 | 910-036 | 910-036 |
| 17 | Screw-in plug connection metric G1/8"-6/4 | Brass/nickel-plated | 933-176 | 933-176 | 933-176 | 933-176 |
| | Screw-in plug connection imperial G1/8"-6.35 | Brass/nickel-plated | 933-173 | 933-173 | 933-173 | 933-173 |
| 46 | Clamp connection | 1.4401 | 221-507.06 | 221-507.06 | 221-507.06 | 221-507.06 |

Table 16: Spare parts list - actuator F-CJ

Dimensions table - actuator F-CJ

| Designation | F 1-CJ | F 2-CJ | F 3-CJ | F 4-CJ |
|-------------|--------|--------|--------|--------|
| D | 85 | 85 | 85 | 85 |
| H | 290 | 290 | 290 | 290 |
| L | 370 | 370 | 370 | 370 |

Table 17: Dimensions table - actuator F-CJ

Response pressure - actuator F-CJ

| Metric | Inch OD/IPS | Response pressure (bar) | | | |
|--------|-------------|-------------------------|-----------|---------|--------|
| | | F 1-CJ | F 2-CJ | F 3-CJ | F 4-CJ |
| -- | | F 1-CJ | F 2-CJ | F 3-CJ | F 4-CJ |
| 25 | 1" OD | 8 - 16 | -- | -- | -- |
| 40 | 1.5" OD | 1.5 - 5 | 4 - 15 | 14 - 16 | -- |
| 50 | 2" OD | 1.5 - 4 | 3 - 11 | 10 - 16 | -- |
| 65 | 2.5" OD | -- | 1 - 4 | 3 - 10 | 9 - 15 |
| 80 | 3" OD | -- | 1 - 4 | 3 - 10 | 9 - 10 |
| 100 | 4" OD | -- | 0.5 - 1.5 | 0.5 - 4 | 3 - 7 |

Table 18: Response pressure - actuator F-CJ