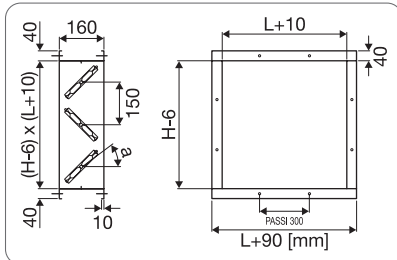


## DL 151T



### Description

- Galvanised steel frame th. 1.5 mm Z200 spot welded with internal silicone seal, depth 160 mm, welded 40 mm flanges with Ø 8 holes pitch 300 mm
- Aerofoil blades in stainless steel th. 0.8+0.8, pitch 150 mm with side seal system.
- External control linkages in galvanised steel
- Side seal with AISI 301 stainless steel
- Sealing gasket on the silicone blades (-50°C / +200°C)
- Drive shaft Ø 18 mm, L=100 mm
- Bronze bearings, temp. -50°C / +200°C
- Leakage class 4/C EN 1751 up to 2000 Pa (see table)
- DIN 1946/4

### Available execution (see page 11)

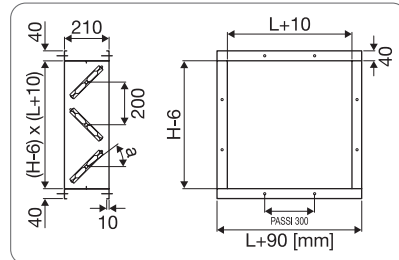
- Intermediate dimensions (larger sizes price list +€52)
  - In 304 STAINLESS STEEL (list price x3)
  - In 316L STAINLESS STEEL (list price x3.5)
  - Special flanges (list price +52 €)
- ATEX execution: II 2G Ex h IIB/IIC T1...T6Gb  
II 2D Ex h IIC T 450°C...T 85°C Db (list price +40% +€120 each)

### Accessories (see page 10)

- R12P18 galvanised manual drive (list price € 32)
- Electric actuators/ Pneumatic cylinder
- Atex actuators (see page 12)

ATTENTION: base dimensions + 10 mm x height -6 mm

## DL 201T



### Description

- Galvanised steel frame th. 1.5 mm Z200 spot welded with internal silicone seal, depth 210 mm, welded 40 mm flanges with Ø 8 holes pitch 300 mm
- Aerofoil blades in stainless steel th. 0.8+0.8, pitch 200 mm with side seal system.
- External control linkages in galvanised steel
- Side seal with AISI 301 stainless steel
- Sealing gasket on the silicone blades (-50°C / +200°C)
- Drive shaft Ø 18 mm, L=100 mm
- Bronze bearings, temp. -50°C / +200°C
- Leakage class 4/C EN 1751 up to 2000 Pa (see table)
- DIN 1946/4

### Available execution (see page 11)

- Intermediate dimensions (larger sizes price list +€52)
  - Frame 20/10 (list price x1.5) / frame 30/10 (list price x2)
  - In 304 STAINLESS STEEL (list price x3)
  - In 316L STAINLESS STEEL (list price x3.5)
  - Special flanges (list price +52 €)
- ATEX execution: II 2G Ex h IIB/IIC T1...T6Gb  
II 2D Ex h IIC T 450°C...T 85°C Db (list price +40% +€120 each)

### Accessories (see page 10)

- R12P18 galvanised manual drive (list price € 32)
- Electric actuators/ Pneumatic cylinder
- Atex actuators (see page 12)

ATTENTION: base dimensions + 10 mm x height -6 mm

### DL151T price list

| H/L  | 200 | 400 | 600 | 800 | 1000 | 1200 | 1300 | 1400 | 1500 | 1600 <sup>1</sup> | 1700 <sup>2</sup> | 1800 <sup>2</sup> | 1900 <sup>2</sup> | 2000 <sup>3</sup> |
|------|-----|-----|-----|-----|------|------|------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 310  |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 460  |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 610  |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 760  |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 910  |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 1060 |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 1210 |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 1360 |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |
| 1510 |     |     |     |     |      |      |      |      |      |                   |                   |                   |                   |                   |

ON REQUEST

All prices are list prices for local market, for a quotation please contact us.

### DL201T price list

| H/L  | 200 | 400 | 600 | 800 | 1000 | 1200 | 1300 | 1400 | 1500 | 1600 <sup>1</sup> | 1700 <sup>2</sup> | 1800 <sup>2</sup> | 1900 <sup>2</sup> | 2000 <sup>3</sup> |
|------|-----|-----|-----|-----|------|------|------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 210  | 210 | 231 | 252 | 273 | 295  | 316  | 327  | 337  | 348  | 358               | 369               | 379               | 390               | 400               |
| 410  | 253 | 282 | 311 | 340 | 369  | 398  | 412  | 427  | 441  | 456               | 470               | 485               | 499               | 514               |
| 610  | 297 | 333 | 370 | 406 | 443  | 480  | 498  | 517  | 535  | 553               | 572               | 590               | 608               | 627               |
| 810  | 340 | 384 | 428 | 473 | 517  | 562  | 584  | 606  | 629  | 651               | 673               | 695               | 718               | 740               |
| 1010 | 383 | 435 | 487 | 539 | 591  | 644  | 670  | 696  | 722  | 748               | 775               | 801               | 827               | 853               |
| 1210 | 426 | 486 | 546 | 606 | 666  | 726  | 756  | 786  | 816  | 846               | 876               | 906               | 936               | 966               |
| 1410 | 469 | 537 | 603 | 672 | 740  | 808  | 842  | 876  | 910  | 943               | 978               | 1011              | 1046              | 1079              |
| 1610 | 513 | 588 | 663 | 739 | 814  | 890  | 928  | 966  | 1004 | 1041              | 1079              | 1117              | 1155              | 1192              |
| 1810 | 556 | 639 | 722 | 806 | 889  | 972  | 1014 | 1055 | 1097 | 1139              | 1180              | 1222              | 1264              | 1306              |
| 2010 | 599 | 690 | 781 | 872 | 963  | 1054 | 1100 | 1145 | 1191 | 1236              | 1282              | 1327              | 1373              | 1419              |

R12P18 32

1: 2000 Pa | 2: 1500 Pa | 3: 1000 Pa

DL I 201T: version with frame and blades with fibreglass insulation, coefficient of thermal conductivity 0.025 W/Mk (list price +25%).  
Pressure drop test according to ISO 7244 - Self-generated noise test according to UNI EN 25135.

## Selection table for accessories

| R12 P18            |              |         |              |                    | Electric actuators |                     |
|--------------------|--------------|---------|--------------|--------------------|--------------------|---------------------|
| Model damper       | Surface (m²) | Ø Shaft | Manual drive | Pneumatic actuator | Torque required    |                     |
|                    |              |         |              |                    | On-Off (Nm)        | Spring Return (Nm)* |
| DL 50              | < 0.80       | Ø 8     | R9           | Ø 27 stroke 100    | 5                  | 5                   |
| DL 101             | < 0.10       | Ø 12    | R11 or R12   | Ø 20 stroke 50     | 5                  | 10                  |
|                    | < 0.80       | Ø 12    | R11 or R12   | Ø 27 stroke 100    | 5                  | 10                  |
|                    | < 1.00       | Ø 12    | R11 or R12   | Ø 35 stroke 150    | 10                 | 20                  |
|                    | < 1.50       | Ø 12    | R12          | Ø 35 stroke 150    | 10                 | 20                  |
|                    | < 3.00       | Ø 12    | R12          | Ø 35 stroke 150    | 20                 | 30                  |
|                    | < 3.50       | Ø 12    | R12          | Ø 50 stroke 200    | 20                 | 30                  |
| DL151-201          | < 0.10       | Ø 12    | R11 or R12   | Ø 20 stroke 50     | 5                  | 10                  |
|                    | < 0.80       | Ø 12    | R11 or R12   | Ø 27 stroke 100    | 5                  | 10                  |
|                    | < 1.00       | Ø 12    | R11 or R12   | Ø 35 stroke 150    | 10                 | 20                  |
|                    | < 1.50       | Ø 12    | R12          | Ø 35 stroke 150    | 10                 | 20                  |
|                    | < 3.00       | Ø 12    | R12          | Ø 35 stroke 150    | 20                 | 30                  |
|                    | < 3.50       | Ø 12    | R12          | Ø 50 stroke 200    | 20                 | 30                  |
|                    | < 6.00       | Ø 12    | R12          | Ø 50 stroke 200    | 40                 | 60                  |
| DL 151T / DL 201 T | < 0.20       | Ø 18    | R12 P18      | Ø 27 stroke 100    | See table          |                     |
|                    | < 1.50       | Ø 18    | R12 P18      | Ø 35 stroke 150    |                    |                     |
|                    | < 2.20       | Ø 18    | R12 P18      | Ø 50 stroke 200    |                    |                     |
|                    | < 3.00       | Ø 18    | R12 P18      | Ø 50 stroke 200    |                    |                     |
|                    | < 4.00       | Ø 18    | R12 P18      | Ø 50 stroke 200    |                    |                     |
|                    |              |         |              |                    |                    |                     |
| DLC / DLC-T / SRCZ | 100/250      | Ø 8     | R9           | Ø 20 stroke 50     | 5                  | 5                   |
|                    | 315/450      | Ø 12    | R11 or R12   | Ø 27 stroke 100    | 5                  | 10                  |
|                    | 500/710      | Ø 12    | R11 or R12   | Ø 27 stroke 100    | 10                 | 20                  |
| SRCZ               | 800/1050     | Ø 18    | R12 special  | Ø 27 stroke 100    | 10                 | 20                  |
|                    | 1100/1500    | Ø 25    | R12 special  | Ø 35 stroke 150    | 20                 | 40                  |
|                    | 1600/2000    | Ø 30    | R12 special  | Ø 50 stroke 200    | 40                 | 60                  |

\*NB: for spring return actuators - check during production stage.

## DL 151 T / DL 201 T selection table Leakage Class 4 - EN 1751

|      |  | HEIGHT        |       |     |       |     |       |      |      |       |       |      |
|------|--|---------------|-------|-----|-------|-----|-------|------|------|-------|-------|------|
|      |  | No. of blades | 1     | 2   | 3     | 4   | 5     | 6    | 7    | 8     | 9     | 10   |
|      |  | DL 151T       | 160   | 310 | 460   | 610 | 760   | 910  | 1060 | 1210  | 1360  | 1510 |
| BASE |  | DL 201T       | 210   | 410 | 610   | 810 | 1010  | 1210 | 1410 | 1610  | 1810  | 2010 |
| 200  |  |               | 5 Nm  |     |       |     |       |      |      |       |       |      |
| 400  |  |               | 5 Nm  |     |       |     |       |      |      |       |       |      |
| 600  |  |               | 10 Nm |     |       |     |       |      |      |       |       |      |
| 800  |  |               | 10 Nm |     |       |     | 30 Nm |      |      | 40 Nm |       |      |
| 1000 |  |               |       |     | 20 Nm |     | 30 Nm |      |      | 40 Nm |       |      |
| 1200 |  |               |       |     |       |     |       |      |      |       |       |      |
| 1400 |  |               |       |     |       |     |       |      |      |       |       |      |
| 1600 |  |               |       |     |       |     |       |      |      |       |       |      |
| 1800 |  |               |       |     |       |     |       |      |      |       | 50 Nm |      |
| 2000 |  |               |       |     |       |     |       |      |      |       |       |      |

## DL 151 T / DL 201 T selection table Leakage Class 3 - EN 1751

|      |  | HEIGHT        |     |     |         |     |       |      |      |       |      |       |
|------|--|---------------|-----|-----|---------|-----|-------|------|------|-------|------|-------|
|      |  | No. of blades | 1   | 2   | 3       | 4   | 5     | 6    | 7    | 8     | 9    | 10    |
|      |  | DL 151T       | 160 | 310 | 460     | 610 | 760   | 910  | 1060 | 1210  | 1360 | 1510  |
| BASE |  | DL 201T       | 210 | 410 | 610     | 810 | 1010  | 1210 | 1410 | 1610  | 1810 | 2010  |
| 200  |  |               |     |     |         |     |       |      |      |       |      |       |
| 400  |  |               |     |     |         |     |       |      |      |       |      |       |
| 600  |  |               |     |     | 7/10 Nm |     |       |      |      |       |      |       |
| 800  |  |               |     |     |         |     |       |      |      |       |      |       |
| 1000 |  |               |     |     |         |     |       |      |      |       |      |       |
| 1200 |  |               |     |     |         |     | 15 Nm |      |      |       |      |       |
| 1400 |  |               |     |     |         |     |       |      |      | 30 Nm |      |       |
| 1600 |  |               |     |     |         |     |       |      |      |       |      |       |
| 1800 |  |               |     |     |         |     |       |      |      |       |      | 40 Nm |
| 2000 |  |               |     |     |         |     |       |      |      |       |      |       |

## BELIMO ON-OFF price list - running time 150 sec.

All prices are list prices for local market, for a quotation please contact us.

| Model     | 5 Nm<br>Price list € |
|-----------|----------------------|
| LM24A     | 183                  |
| LM24A-S   | 209                  |
| LM230A    | 183                  |
| LM230A-S  | 209                  |
| LM24A-SR  | 249                  |
| LM230A-SR | 296                  |

| Model    | 10 Nm<br>Price list € |
|----------|-----------------------|
| NM24A    | 225                   |
| NM24A-S  | 270                   |
| NM230A   | 233                   |
| NM230A-S | 278                   |
| NM24A-SR | 325                   |
| NM230ASR | 373                   |

| Model    | 20 Nm<br>Price list € |
|----------|-----------------------|
| SM24A    | 259                   |
| SM24A-S  | 323                   |
| SM230A   | 264                   |
| SM230A-S | 329                   |
| SM24A-SR | 369                   |
| SM230ASR | 416                   |

| Model    | 40 Nm<br>Price list € |
|----------|-----------------------|
| GM24A    | 457                   |
| GM230A   | 465                   |
| GM24A-SR | 551                   |

## BELIMO spring return price list (spring 20 sec. / motor 75 sec.)

| Model   | 4 Nm<br>Price list € |
|---------|----------------------|
| LF24    | 293                  |
| LF24-S  | 338                  |
| LF230   | 318                  |
| LF230-S | 361                  |
| LF24-SR | 395                  |

| Model       | 10 Nm<br>Price list € |
|-------------|-----------------------|
| NFA         | 433                   |
| NFA-S2      | 493                   |
| NF24A       | 364                   |
| NF24A-S2    | 414                   |
| NF24A-SR    | 438                   |
| NF24A-SR-S2 | 487                   |

| Model       | 20 Nm<br>Price list € |
|-------------|-----------------------|
| SFA         | 517                   |
| SFA-S2      | 564                   |
| SF24A       | 449                   |
| SF24A-S2    | 498                   |
| SF24A-SR    | 520                   |
| SF24A-SR-S2 | 555                   |

| Model       | 30 Nm<br>Price list € |
|-------------|-----------------------|
| EF24A       | 908                   |
| EF24A-S2    | 972                   |
| EF230A      | 1043                  |
| EF230A-S2   | 1108                  |
| EF24A-SR    | 1026                  |
| EF24A-SR-S2 | 1089                  |

## BELIMO ON-OFF price list -fast running 35 sec.

| Model     | 5 Nm<br>Price list € |
|-----------|----------------------|
| LMC24A    | 189                  |
| LMC230A   | 189                  |
| LMC24A-SR | 256                  |

| Model     | 10 Nm<br>Price list € |
|-----------|-----------------------|
| NMC24A-MP | 379                   |

| Model     | 20 Nm<br>Price list € |
|-----------|-----------------------|
| SMC24A-MP | 427                   |

| Model            | Micro<br>Price list € |
|------------------|-----------------------|
| S1A 1 MICRO      | 76                    |
| S2A 2 MICRO      | 100                   |
| S2A-F (LF-NF-SF) | 150                   |

## BELIMO ON-OFF price list - super fast running time 2.5 / 20 sec.

| Model     | 4 Nm - 2.5 sec<br>Price list € |
|-----------|--------------------------------|
| LMQ24A    | 371                            |
| LMQ24A-SR | 384                            |
| NMQ24A    | 409                            |

| Model     | 8 Nm - 4 sec<br>Price list € |
|-----------|------------------------------|
| NMQ24A    | 409                          |
| NMQ24A-SR | 460                          |

| Model   | 8 Nm - 20 sec<br>Price list € |
|---------|-------------------------------|
| NMD230A | 384                           |

| Model     | 16 Nm - 7 sec<br>Price list € |
|-----------|-------------------------------|
| SMQ24A    | 445                           |
| SMQ24A-SR | 509                           |

| Model   | 16 Nm - 20 sec<br>Price list € |
|---------|--------------------------------|
| SMD24A  | 358                            |
| SMD230A | 419                            |

## WAIRCOM pneumatic cylinders price list

| Dimensions | With support, shaft and linkage with double acting cylinder<br>Price list € |
|------------|-----------------------------------------------------------------------------|
| D.20 L=50  | 138                                                                         |
| D.27 L=100 | 173                                                                         |
| D.35 L=150 | 230                                                                         |
| D.50 L=200 | 374                                                                         |
| D.70 L=200 | 501                                                                         |
| D.85 L=200 | 645                                                                         |

| Dimensions | Including solenoid valve, regulator and 24 or 230V coil to indicate when ordering<br>Price list € |
|------------|---------------------------------------------------------------------------------------------------|
| D.20 L=50  | 472                                                                                               |
| D.27 L=100 | 507                                                                                               |
| D.35 L=150 | 564                                                                                               |
| D.50 L=200 | 714                                                                                               |
| D.70 L=200 | 973                                                                                               |
| D.85 L=200 | 1112                                                                                              |

## MANUAL DRIVES price list

| Model                   | Price list € |
|-------------------------|--------------|
| R9 GALVANISED           | 5            |
| R9 304 STAINLESS STEEL  | 7            |
| R9 316 STAINLESS STEEL  | 9            |
| R10 GALVANISED          | 11           |
| R10 304 STAINLESS STEEL | 13           |
| R10 316 STAINLESS STEEL | 17           |
| R11 GALVANISED          | 15           |
| R11 304 STAINLESS STEEL | 25           |
| R11 316 STAINLESS STEEL | 32           |
| R12 GALVANISED          | 21           |
| R12 304 STAINLESS STEEL | 32           |
| R12 316 STAINLESS STEEL | 42           |
| R12 P18 GALVANISED      | 28           |
| R12 P18 X304            | 45           |
| R12 P18 X316            | 58           |

| Model                                 | Price list € |
|---------------------------------------|--------------|
| Front manual drive                    |              |
| R13 GALVANISED                        | 38           |
| R13 304 STAINLESS STEEL               | 50           |
| R13 316 STAINLESS STEEL               | 64           |
| Joint                                 |              |
| R14 GALVANISED                        | 12           |
| R14 304 STAINLESS STEEL               | 21           |
| R14 316 STAINLESS STEEL               | 27           |
| R20 GALVANISED                        | 20           |
| R20 304 STAINLESS STEEL               | 49           |
| R20 316 STAINLESS STEEL               | 64           |
| Assembly plate, internal flow control |              |
| R21 ALUMINIUM                         | 70           |
| R21 GALVANISED                        | 62           |
| R21 304 STAINLESS STEEL               | 146          |
| R21 316 STAINLESS STEEL               | 190          |

## Actuator assembly

| Brand     | Price list € |
|-----------|--------------|
| BELIMO    | 35           |
| SIEMENS   | 35           |
| SCHISCHEK | 200*         |
| Others    |              |

\*: including FAT  
FAT other motors €60

## Accessory price list

| BEARING OPTIONS                   | FIXED COST | PRICE LIST € | UNIT     |
|-----------------------------------|------------|--------------|----------|
| GALVANISED BEARINGS D.12          | 0          | 31           | €/ Blade |
| 304 STAINLESS STEEL BEARINGS D.12 | 0          | 52           | €/ Blade |
| 316 STAINLESS STEEL BEARINGS D.12 | 0          | 69           | €/ Blade |
| GALVANISED BEARINGS D.18          | 0          | 58           | €/ Blade |
| 304 STAINLESS STEEL BEARINGS D.18 | 0          | 86           | €/ Blade |
| 316 STAINLESS STEEL BEARINGS D.18 | 0          | 92           | €/ Blade |

| BEARINGS OPTIONS     | FIXED COST | PRICE LIST € | UNIT     |
|----------------------|------------|--------------|----------|
| TEFLON BEARINGS D.12 | 0          | 7            | €/ Blade |
| TEFLON BEARINGS D.18 | 0          | 14           | €/ Blade |

| BEARINGS OPTIONS     | FIXED COST | PRICE LIST € | UNIT |
|----------------------|------------|--------------|------|
| BRONZE BEARINGS D.6  | 0          | + 5 %        | EACH |
| BRONZE BEARINGS D.8  | 0          | + 5 %        | EACH |
| BRONZE BEARINGS D.12 | 0          | + 5 %        | EACH |
| BRONZE BEARINGS D.18 | 0          | + 5 %        | EACH |

| SPOT WELDING OPTIONS     | FIXED COST | PRICE LIST € | UNIT     |
|--------------------------|------------|--------------|----------|
| SPOT WELDING ON LINKAGES | 0          | 10           | €/ Blade |

| NUT OPTIONS                   | FIXED COST | PRICE LIST € | UNIT |
|-------------------------------|------------|--------------|------|
| SELF-LOCKING NUTS ON LINKAGES | 0          | + 5 %        | EACH |
| SELF-LOCKING NUTS ON BLADES   | 0          | + 5 %        | EACH |

| DRILLING OPTIONS | FIXED COST | PRICE LIST € | UNIT |
|------------------|------------|--------------|------|
| FLANGE ON DEMAND | 0          | 52           | EACH |

| DRIVE SHAFTS OPTIONS | FIXED COST | PRICE LIST € | UNIT |
|----------------------|------------|--------------|------|
| SQUARE DRIVE SHAFT   | 0          | 52           | EACH |
| DRIVE SHAFT >100     | 0          | 23           | EACH |

| SHAFTS OPTIONS                                | FIXED COST | PRICE LIST € | UNIT     |
|-----------------------------------------------|------------|--------------|----------|
| 304 STAINLESS STEEL SHAFTS AND LINKAGES D.12  | 0          | 12           | €/ Blade |
| 316L STAINLESS STEEL SHAFTS AND LINKAGES D.12 | 0          | 17           | €/ Blade |
| 304 STAINLESS STEEL SHAFTS AND LINKAGES D.18  | 0          | 29           | €/ Blade |
| 316L STAINLESS STEEL SHAFTS AND LINKAGES D.18 | 0          | 38           | €/ Blade |

| SHAFTS OPTIONS                       | FIXED COST | PRICE LIST € | UNIT     |
|--------------------------------------|------------|--------------|----------|
| GALVANISED STUB SHAFT D.18           | 0          | 13           | €/ Blade |
| 304 STAINLESS STEEL STUB SHAFT D.18  | 0          | 20           | €/ Blade |
| 316L STAINLESS STEEL STUB SHAFT D.18 | 0          | 23           | €/ Blade |

| SHAFTS OPTIONS                                | FIXED COST | PRICE LIST € | UNIT |
|-----------------------------------------------|------------|--------------|------|
| GALVANISED STEEL CONTINUOUS SOLID SHAFTS D.6  | 13         | 3            | €/ m |
| GALVANISED STEEL CONTINUOUS SOLID SHAFTS D.8  | 16         | 5            | €/ m |
| GALVANISED STEEL CONTINUOUS SOLID SHAFTS D.12 | 20         | 10           | €/ m |
| GALVANISED STEEL CONTINUOUS SOLID SHAFTS D.18 | 23         | 22           | €/ m |

All prices are list prices for local market, for a quotation please contact us.

| SHAFTS OPTIONS                                   | FIXED COST | PRICE LIST € | UNIT |
|--------------------------------------------------|------------|--------------|------|
| 304 STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.6  | 13         | 5            | €/ m |
| 304 STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.8  | 16         | 7            | €/ m |
| 304 STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.12 | 20         | 15           | €/ m |
| 304 STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.18 | 23         | 33           | €/ m |

| SHAFTS OPTIONS                                    | FIXED COST | PRICE LIST € | UNIT |
|---------------------------------------------------|------------|--------------|------|
| 316L STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.6  | 13         | 6            | €/ m |
| 316L STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.8  | 16         | 10           | €/ m |
| 316L STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.12 | 20         | 20           | €/ m |
| 316L STAINLESS STEEL CONTINUOUS SOLID SHAFTS D.18 | 23         | 46           | €/ m |

| LINKAGE COVER PLATE OPTIONS              | FIXED COST | PRICE LIST € | UNIT |
|------------------------------------------|------------|--------------|------|
| GALVANISED LINKAGE COVER PLATE           | 0          | 58           | €/ m |
| ALUMINIUM LINKAGE COVER PLATE            | 0          | 58           | €/ m |
| 304 STAINLESS STEEL LINKAGE COVER PLATE  | 0          | 92           | €/ m |
| 316L STAINLESS STEEL LINKAGE COVER PLATE | 0          | 115          | €/ m |

| LINKAGE OPTIONS                    | FIXED COST | PRICE LIST € | UNIT     |
|------------------------------------|------------|--------------|----------|
| GALVANISED DOUBLE LINKAGE          | 0          | 17           | €/ Blade |
| 304 STAINLESS STEEL DOUBLE LINKAGE | 0          | 29           | €/ Blade |
| 316L DOUBLE LINKAGE                | 0          | 40           | €/ Blade |

| GASKET OPTIONS  | FIXED COST | PRICE LIST € | UNIT     |
|-----------------|------------|--------------|----------|
| SILICONE GASKET | 0          | 35           | €/ Blade |

| PACKAGED PRODUCT OPTIONS  | FIXED COST | PRICE LIST € | UNIT |
|---------------------------|------------|--------------|------|
| PACKAGED PRODUCT ASSEMBLY | 0          | + 15 %       | EACH |

| CASING OPTIONS          | FIXED COST | PRICE LIST € | UNIT |
|-------------------------|------------|--------------|------|
| SPECIAL CASING < 210 mm | 0          | 52           | EACH |
| SPECIAL CASING <300 mm  | 0          | 104          | EACH |

| VERTICAL OPTIONS   | FIXED COST | PRICE LIST € | UNIT |
|--------------------|------------|--------------|------|
| VERTICAL OPERATION | 0          | + 10 %       | EACH |

| WIRE MESH OPTIONS              | FIXED COST | PRICE LIST € | UNIT   |
|--------------------------------|------------|--------------|--------|
| ALUMINIUM WIRE MESH            | 0          | 115          | €/ sqm |
| 304 STAINLESS STEEL WIRE MESH  | 0          | 144          | €/ sqm |
| 316L STAINLESS STEEL WIRE MESH | 0          | 173          | €/ sqm |
| 304 STAINLESS STEEL WIRE MESH  | 0          | 184          | €/ sqm |
| 316L STAINLESS STEEL WIRE MESH | 0          | 219          | €/ sqm |

| SUPPORT OPTIONS                             | FIXED COST | PRICE LIST € | UNIT |
|---------------------------------------------|------------|--------------|------|
| GALVANISED STEEL HEAT INSULATED SUPPORT     | 0          | 161          | EACH |
| 304 STAINLESS STEEL HEAT INSULATED SUPPORT  | 0          | 213          | EACH |
| 316L STAINLESS STEEL HEAT INSULATED SUPPORT | 0          | 230          | EACH |

FLANGE DRILLING OPTIONS AS PER ISO 15138 (list price +€52)

## ZONE 1

### Spring return 24-230V

All prices are list prices for local market, for a quotation please contact us.

|                                    | Zone 1           |             | Opening                      | Closing                 | Price list € |
|------------------------------------|------------------|-------------|------------------------------|-------------------------|--------------|
|                                    | Model            | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| ON-OFF, 3 points, 2 micro switches | EX MAX 5.10 - SF | 5-10        | 3/15/30/60/120               | 3 - 10                  | 3055         |
| ON-OFF, 3 points, 2 micro switches | EX MAX 15 - SF   | 15          | 3/15/30/60/120               | 3 - 10                  | 3388         |
| ON-OFF, 3 points, 2 micro switches | EX MAX 30 - SF   | 30          | 40/60/90/120/150             | 20                      | 4746         |
| ON-OFF, 3 points, 2 micro switches | EX MAX 50 - SF   | 50          | 40/60/90/120/150             | 20                      | 5422         |

### Modulating spring return 24-230V

|                                | Zone 1           |             | Opening                      | Closing                 | Price list € |
|--------------------------------|------------------|-------------|------------------------------|-------------------------|--------------|
|                                | Model            | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| 3 POINTS, 0...10 Volt 4...20 m | EX MAX 5.10 - YF | 5-10        | 7.5/15/30/60/120             | 3 - 10                  | 3263         |
| 3 POINTS, 0...10 Volt 4...20 m | EX MAX 15 - YF   | 15          | 7.5/15/30/60/120             | 3 - 10                  | 3594         |
| 3 POINTS, 0...10 Volt 4...20 m | EX MAX 30 - YF   | 30          | 40/60/90/120/150             | 20                      | 5287         |
| 3 POINTS, 0...10 Volt 4...20 m | EX MAX 50 - YF   | 50          | 40/60/90/120/150             | 20                      | 5961         |

### Spring return 24-230V - Offshore - Closure in 1 second

|                          | Zone 1          |             | Opening                      | Closing                 | Price list € |
|--------------------------|-----------------|-------------|------------------------------|-------------------------|--------------|
|                          | Model           | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| ON-OFF, 2 micro switches | EX MAX 8 - SF1  | 8           | 3/15/30/60/120               | 1                       | 3685         |
| ON-OFF, 2 micro switches | EX MAX 15 - SF1 | 15          | 3/15/30/60/120               | 1                       | 3855         |

### Spring return 24-230V - Offshore - Closure in 3 seconds

|                          | Zone 1          |             | Opening                      | Closing                 | Price list € |
|--------------------------|-----------------|-------------|------------------------------|-------------------------|--------------|
|                          | Model           | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| ON-OFF, 2 micro switches | EX MAX 30 - SF3 | 30          | 40/60/90/120/150             | 3                       | 5863         |
| ON-OFF, 2 micro switches | EX MAX 50 - SF3 | 50          | 40/60/90/120/150             | 3                       | 6532         |

| Accessories                                           | Model        | Price list € |
|-------------------------------------------------------|--------------|--------------|
| MICRO                                                 | EX SWITCH    | 679          |
| JUNCTION BOX                                          | EXBOX Y/S    | 308          |
| JUNCTION BOX WITH MICRO                               | EXBOX Y/S/SW | 338          |
| BRACKET FOR JUNCTION BOX 5/10/15 Nm                   | MKK-S        | 55           |
| BRACKET FOR JUNCTION BOX 30/50 Nm                     | MKK-M        | 73           |
| NICKEL PLATED CABLE GLAND KIT FOR ACTUATOR            | KIT-S8-MAX   | 39           |
| CABLE GLAND KIT FOR JUNCT. NICKEL PLATED JUNCTION BOX | KIT-S8-BOX   | 103          |

Actuators assembled, square drive shaft and FAT

## ZONE 2

### Spring return 24-230V

All prices are list prices for local market, for a quotation please contact us.

|                                    | Zone 2            |             | Opening                      | Closing                 | Price list € |
|------------------------------------|-------------------|-------------|------------------------------|-------------------------|--------------|
|                                    | Model             | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| ON-OFF, 3 points, 2 micro switches | RED MAX 5.10 - SF | 5-10        | 3/15/30/60/120               | 3 - 10                  | 2685         |
| ON-OFF, 3 points, 2 micro switches | RED MAX 15 - SF   | 15          | 3/15/30/60/120               | 3 - 10                  | 3066         |
| ON-OFF, 3 points, 2 micro switches | RED MAX 30 - SF   | 30          | 40/60/90/120/150             | 20                      | 4410         |
| ON-OFF, 3 points, 2 micro switches | RED MAX 50 - SF   | 50          | 40/60/90/120/150             | 20                      | 5084         |

### Modulating spring return 24-230V

|                                | Zone 2            |             | Opening                      | Closing                 | Price list € |
|--------------------------------|-------------------|-------------|------------------------------|-------------------------|--------------|
|                                | Model             | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| 3 POINTS, 0...10 Volt 4...20 m | RED MAX 5.10 - YF | 5-10        | 7.5/15/30/60/120             | 3 - 10                  | 2888         |
| 3 POINTS, 0...10 Volt 4...20 m | RED MAX 15 - YF   | 15          | 7.5/15/30/60/120             | 3 - 10                  | 3224         |
| 3 POINTS, 0...10 Volt 4...20 m | RED MAX 30 - YF   | 30          | 40/60/90/120/150             | 20                      | 4949         |
| 3 POINTS, 0...10 Volt 4...20 m | RED MAX 50 - YF   | 50          | 40/60/90/120/150             | 20                      | 5623         |

### Spring return 24-230V - Offshore - Closure in 1 second

|                          | Zone 2           |             | Opening                      | Closing                 | Price list € |
|--------------------------|------------------|-------------|------------------------------|-------------------------|--------------|
|                          | Model            | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| ON-OFF, 2 micro switches | RED MAX 8 - SF1  | 8           | 3/15/30/60/120               | 1                       | 3347         |
| ON-OFF, 2 micro switches | RED MAX 15 - SF1 | 15          | 3/15/30/60/120               | 1                       | 3514         |

### Spring return 24-230V - Offshore - Closure in 3 seconds

|                          | Zone 2           |             | Opening                      | Closing                 | Price list € |
|--------------------------|------------------|-------------|------------------------------|-------------------------|--------------|
|                          | Model            | Torque (Nm) | Motor running time (seconds) | Spring return (seconds) |              |
| ON-OFF, 2 micro switches | RED MAX 30 - SF3 | 30          | 40/60/90/120/150             | 3                       | 5486         |
| ON-OFF, 2 micro switches | RED MAX 50 - SF3 | 50          | 40/60/90/120/150             | 3                       | 6162         |

| Accessories                                | Model         | Price list € |
|--------------------------------------------|---------------|--------------|
| MICRO                                      | RED SWITCH    | 635          |
| JUNCTION BOX                               | REDBOX Y/S    | 276          |
| JUNCTION BOX WITH MICRO                    | REDBOX Y/S/SW | 308          |
| BRACKET FOR JUNCTION BOX 5/10/15 Nm        | MKK-S         | 55           |
| BRACKET FOR JUNCTION BOX 30/50 Nm          | MKK-M         | 73           |
| NICKEL PLATED CABLE GLAND KIT FOR ACTUATOR | KIT-S8-MAX    | 39           |
| NICKEL PLATED CABLE GLAND KIT FOR ACTUATOR | KIT-S8-BOX    | 103          |

| Special executions                         | Model       | Price list € |
|--------------------------------------------|-------------|--------------|
| SURCHARGE FOR STAINLESS STEEL 5/10/15 Nm   | MAX VAS     | 1691         |
| SURCHARGE FOR STAINLESS STEEL 30/50 Nm     | MAX VAM     | 3596         |
| SURCHARGE FOR MARINE COATING 5/10/15 Nm    | MAX CTS     | 676          |
| SURCHARGE FOR MARINE COATING 30/50 Nm      | MAX CTM     | 1014         |
| SURCHARGE FOR STAINLESS STEEL JUNCTION BOX | BOX../VA    | 610          |
| SURCHARGE FOR JUNCTION BOX MARINE COATING  | BOX../CT    | 308          |
| SURCHARGE FOR MICRO MARINE COATING         | SWITCH../CT | 308          |