

### Description

- Galvanised steel frame th. 1.5 mm Z200 spot welded with internal silicone seal, depth 160 mm, welded 40 mm flanges with  $\varnothing 8$  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  $\varnothing 18$  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

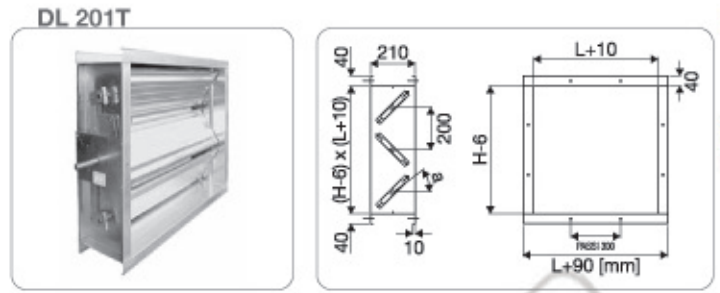
### Available execution (see page 11)

- 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 IIIC 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



### Description

- Galvanised steel frame th. 1.5 mm Z200 spot welded with internal silicone seal, depth 210 mm, welded 40 mm flanges with  $\varnothing 8$  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  $\varnothing 18$  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 IIIC 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

## ZONE 1 Spring return 24-230V

	Zone 1		Opening	Closing
	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
ON-OFF, 3 points, 2 micro switches	EX MAX 15 - SF	15	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	EX MAX 30 - SF	30	40/60/90/120/150	20
ON-OFF, 3 points, 2 micro switches	EX MAX 50 - SF	50	40/60/90/120/150	20

## Modulating spring return 24-230V

	Zone 1		Opening	Closing
	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
3 POINTS, 0...10 Volt 4...20 m	EX MAX 15 - YF	15	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	EX MAX 30 - YF	30	40/60/90/120/150	20
3 POINTS, 0...10 Volt 4...20 m	EX MAX 50 - YF	50	40/60/90/120/150	20

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

	Zone 1		Opening	Closing
	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
ON-OFF, 2 micro switches	EX MAX 15 - SF1	15	3/15/30/60/120	1

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

	Zone 1		Opening	Closing
	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
ON-OFF, 2 micro switches	EX MAX 50 - SF3	50	40/60/90/120/150	3

Actuators assembled, square drive shaft and FAT

## ZONE 2 Spring return 24-230V

	Zone 2		Opening	Closing
	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
ON-OFF, 3 points, 2 micro switches	RED MAX 15 - SF	15	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	RED MAX 30 - SF	30	40/60/90/120/150	20
ON-OFF, 3 points, 2 micro switches	RED MAX 50 - SF	50	40/60/90/120/150	20

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	Zone 2		Opening	Closing
	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
3 POINTS, 0...10 Volt 4...20 m	RED MAX 15 - YF	15	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	RED MAX 30 - YF	30	40/60/90/120/150	20
3 POINTS, 0...10 Volt 4...20 m	RED MAX 50 - YF	50	40/60/90/120/150	20

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ON-OFF, 2 micro switches	RED MAX 50 - SF3	50	40/60/90/120/150	3

Air flow control

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ON-OFF, 3 points, 2 micro switches	EX MAX 15 - SF	15	3/15/30/60/120	3 - 10
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ON-OFF, 2 micro switches	EX MAX 15 - SF1	15	3/15/30/60/120	1

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ON-OFF, 2 micro switches	EX MAX 50 - SF3	50	40/60/90/120/150	3

Actuators assembled, square drive shaft and FAT

## ZONE 2 Spring return 24-230V

	Zone 2		Opening	Closing
	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
ON-OFF, 3 points, 2 micro switches	RED MAX 15 - SF	15	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	RED MAX 30 - SF	30	40/60/90/120/150	20
ON-OFF, 3 points, 2 micro switches	RED MAX 50 - SF	50	40/60/90/120/150	20

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