

# DLT100 X4-X6

CLASSE TENUTA  
AIR LEAKAGE CLASSIFICATION

EN 1751:2014

1

A

EN 1751:2024

1

ATC5



Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

DAMPERS



## Description and application:

Rectangular duct damper with double flange, multi-blade type, equipped with an extended shaft suitable for both manual operation and motorized actuation.

Designed for balancing, setting and regulating airflow in HVAC systems, it is suitable for installation in air distribution networks and in rectangular ducts, whether main, secondary or terminal, in ventilation and air conditioning systems, for both civil and industrial applications.

## Construction:

- Execution made of stainless steel AISI 304 finishing 2B;
- Frame thickness 1 mm, riveted, depth 130 mm;
- Flange 40mm drilled Ø9 pitch 300mm with BM=20mm;
- Blades double skin thickness 0,6+0,6 mm;
- Blade pitch 100 mm with opposed movement operation;
- Central separator with "C" profile for dependent double field when Width > 1700 mm;
- Side sealing strips in raw stainless steel AISI 301;
- Nylon bushings;
- Stub shafts Ø12 mm in stainless steel AISI 303;
- Blades movement by external linkage in SS AISI 304;
- Control shaft Ø12 extended L=100mm;
- Control plate suitable for manual operation and/or motorized actuator (for models with anti-rotation rod);
- Metal stops on the frame for blade end position;
- Silicone free.

## Available execution:

- Made of stainless steel AISI 316L finishing 2B (X6 version);
- Atex version (see page 7).

## Operating limits:

- Maximum dimensions WxH: 2800x2010 mm;
- Temperature range: from -20\* to +80 °C (see option page 2);
- Dimensional drawing and drilling pattern: page 3;
- V max recommended: 15 m/s (see table page 5);
- Performance and Allowable Pressure: see page 5.

*\* Negative temperature is achievable only if ice formation is prevented.*

## Certifications and Testing:

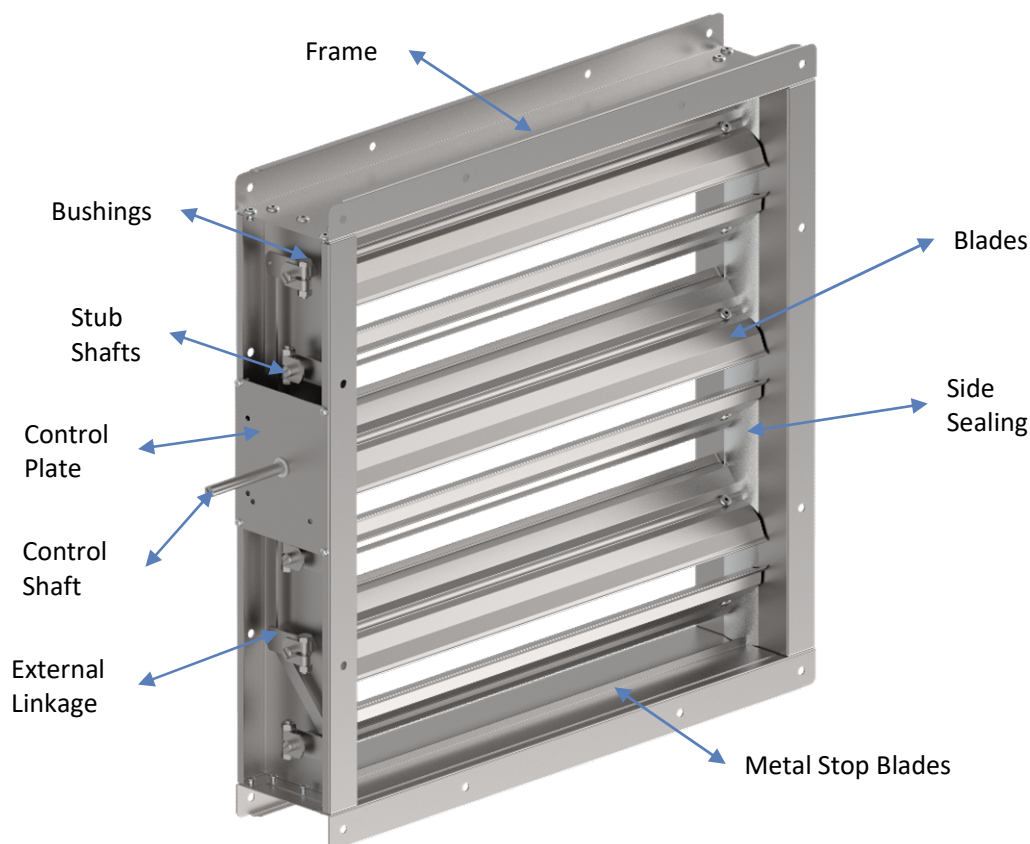
- Pressure drop tests carried out in accordance with ISO 7244 at Istituto Giordano (test report no. 136363);
- Self-generated noise tests carried out in accordance with UNI EN 25135 at Istituto Giordano (test report no. 148829);
- Air leakage tests carried out in accordance with DIN 1946/4;
- Air leakage tests carried out in accordance with EN 1751.



# DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

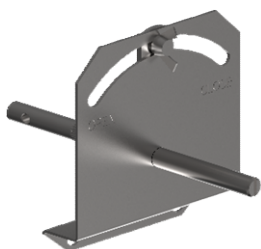
## Additional Construction Details



## Available Controls, Options, Accessories and Actuators

### Manual Control

R11 X4 or X6 for  $A < 1,2m^2$



R12 X4 or X6 for  $A > 1,2m^2$



### Option

Bronze Bushings  
( $T_{max} +200^{\circ}C$ )



Teflon Bushings  
( $T_{max} +250^{\circ}C$ )

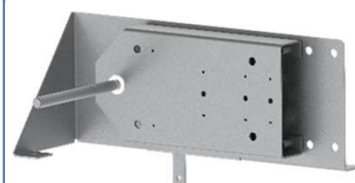


### Accessories

Control shaft with extended end  
 $\varnothing 18$  - R20 X4 or X6



Internal control plate support  
R21 X4 or X6



### Actuators

On/Off electric actuators with or without spring return

Modulating On/Off electric actuators with or without spring return

- Belimo
- Siemens
- Schischek



Double-acting pneumatic pistons/cylinders with flow regulators

- Waircom

Integrable accessories:

- 5-way solenoid valve + 24V or 230V coil

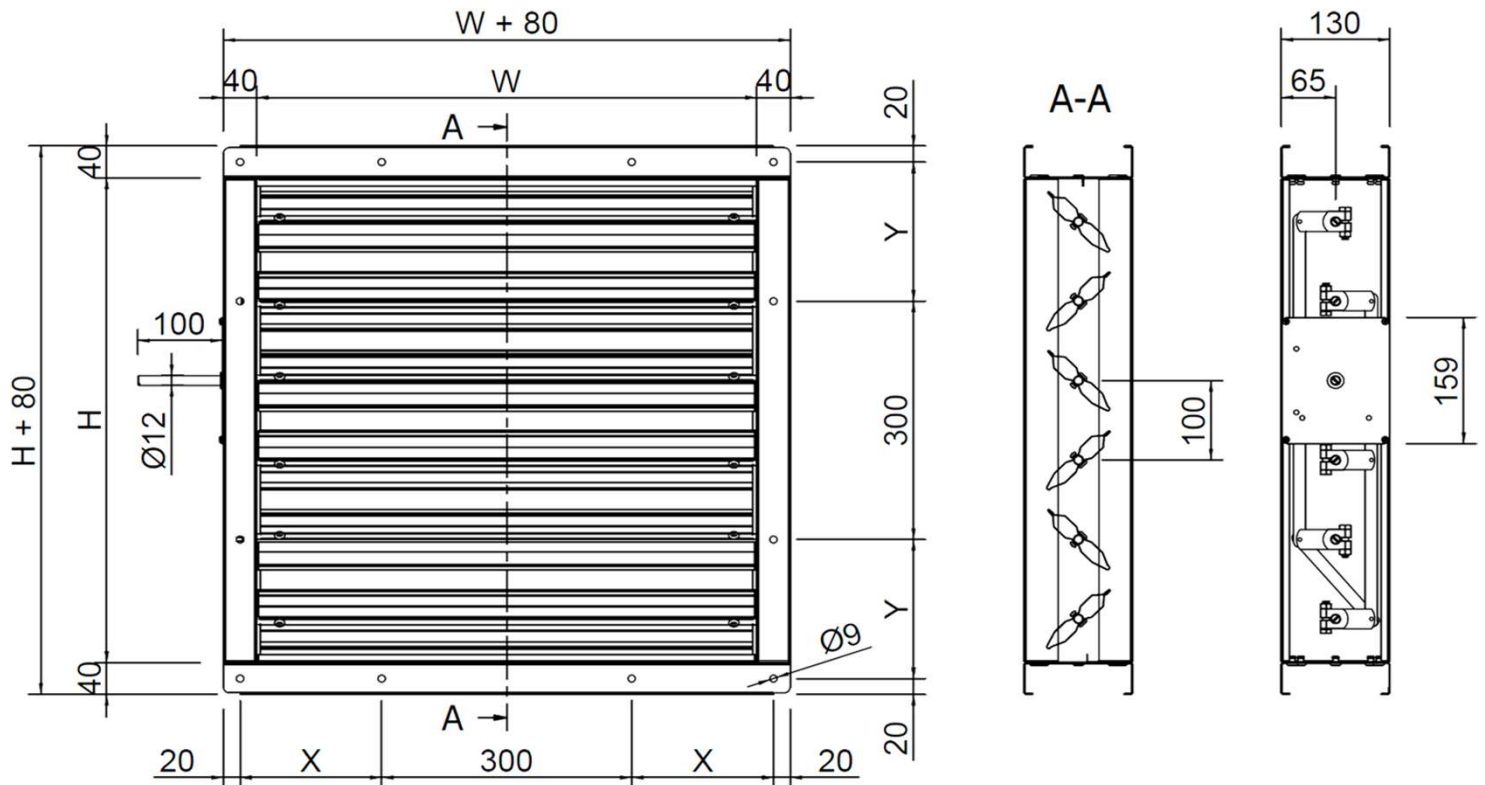




# DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

Dimensional Drawing and Standard Drilling Pattern (size in mm, always referred to the inside of the flanges)



## Nr. 4 HOLES CENTERED IN THE CORNERS ALWAYS PRESENT

| WIDTH DRILLING |         |     |      |         |     | HEIGHT DRILLING |         |     |      |         |     |
|----------------|---------|-----|------|---------|-----|-----------------|---------|-----|------|---------|-----|
| W              | N°HOLES | X   | W    | N°HOLES | X   | H               | N°HOLES | Y   | H    | N°HOLES | Y   |
| 200            | \       | \   | 1100 | 3       | 270 | 210             | \       | \   | 1110 | 3       | 275 |
| 250            | \       | \   | 1200 | 3       | 320 | 250             | \       | \   | 1150 | 3       | 295 |
| 300            | \       | \   | 1300 | 4       | 220 | 310             | \       | \   | 1210 | 3       | 325 |
| 350            | \       | \   | 1400 | 4       | 270 | 350             | \       | \   | 1250 | 3       | 345 |
| 400            | 1       | 220 | 1500 | 4       | 320 | 410             | 1       | 225 | 1310 | 4       | 225 |
| 450            | 1       | 245 | 1600 | 5       | 220 | 450             | 1       | 245 | 1350 | 4       | 245 |
| 500            | 1       | 270 | 1700 | 5       | 270 | 510             | 1       | 275 | 1410 | 4       | 275 |
| 550            | 1       | 295 | 1800 | 5       | 320 | 550             | 1       | 295 | 1450 | 4       | 295 |
| 600            | 1       | 320 | 1900 | 6       | 220 | 610             | 1       | 325 | 1510 | 4       | 325 |
| 650            | 1       | 345 | 2000 | 6       | 270 | 650             | 1       | 345 | 1550 | 4       | 345 |
| 700            | 2       | 220 | 2100 | 6       | 320 | 710             | 2       | 225 | 1610 | 5       | 225 |
| 750            | 2       | 245 | 2200 | 7       | 220 | 750             | 2       | 245 | 1650 | 5       | 245 |
| 800            | 2       | 270 | 2300 | 7       | 270 | 810             | 2       | 275 | 1710 | 5       | 275 |
| 850            | 2       | 295 | 2400 | 7       | 320 | 850             | 2       | 295 | 1750 | 5       | 295 |
| 900            | 2       | 320 | 2500 | 8       | 220 | 910             | 2       | 325 | 1810 | 5       | 325 |
| 950            | 2       | 345 | 2600 | 8       | 270 | 950             | 2       | 345 | 1850 | 5       | 345 |
| 1000           | 3       | 220 | 2700 | 8       | 320 | 1010            | 3       | 225 | 1910 | 6       | 225 |
| 1050           | 3       | 245 | 2800 | 9       | 220 | 1050            | 3       | 245 | 2010 | 6       | 275 |

**Note :** For sizes not listed in the table, the number of holes and the starting position X or Y (Width or Height) are determined by referring to the next lower standard dimension.

**N.B.** If the resulting value of X or Y is greater than 369.5 mm, the number of holes must refer to the next higher dimension.



# DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

| mm   | Actuator Torque Selection Table DLT100 X [Nm]                 |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
|------|---------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| W\H  | 210                                                           | 310 | 410 | 510 | 610 | 710 | 810 | 910 | 1010 | 1110 | 1210 | 1310 | 1410 | 1510 | 1610 | 1710 | 1810 | 1910 | 2010 |
| 200  | 3                                                             | 3   | 3   | 3   | 3   | 5   | 5   | 5   | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 10   | 10   | 10   |
| 300  | 3                                                             | 3   | 3   | 3   | 3   | 5   | 5   | 5   | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 10   | 10   | 10   | 10   |
| 400  | 3                                                             | 3   | 3   | 3   | 3   | 5   | 5   | 5   | 5    | 5    | 5    | 5    | 5    | 5    | 10   | 10   | 10   | 10   | 10   |
| 500  | 3                                                             | 3   | 3   | 3   | 3   | 5   | 5   | 5   | 5    | 5    | 5    | 5    | 5    | 10   | 10   | 10   | 10   | 10   | 10   |
| 600  | 3                                                             | 3   | 3   | 3   | 3   | 5   | 5   | 5   | 5    | 5    | 5    | 5    | 5    | 10   | 10   | 10   | 10   | 10   | 10   |
| 700  | 5                                                             | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5    | 5    | 5    | 5    | 10   | 10   | 10   | 10   | 10   | 10   | 10   |
| 800  | 5                                                             | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5    | 5    | 5    | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   |
| 900  | 5                                                             | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5    | 5    | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   |
| 1000 | 5                                                             | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5    | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 15   |
| 1100 | 5                                                             | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 15   | 15   | 15   |
| 1200 | 5                                                             | 5   | 5   | 5   | 5   | 5   | 5   | 10  | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 15   | 15   | 15   | 15   |
| 1300 | 5                                                             | 5   | 5   | 5   | 5   | 5   | 10  | 10  | 10   | 10   | 10   | 10   | 10   | 10   | 10   | 15   | 15   | 15   | 20   |
| 1400 | 5                                                             | 5   | 5   | 5   | 5   | 5   | 10  | 10  | 10   | 10   | 10   | 10   | 10   | 15   | 15   | 15   | 15   | 20   | 20   |
| 1500 | 5                                                             | 5   | 5   | 5   | 5   | 10  | 10  | 10  | 10   | 10   | 10   | 10   | 15   | 15   | 15   | 15   | 20   | 20   | 20   |
| 1600 | 5                                                             | 5   | 5   | 5   | 5   | 10  | 10  | 10  | 10   | 10   | 10   | 15   | 15   | 15   | 15   | 20   | 20   | 20   | 20   |
| 1700 | 5                                                             | 5   | 5   | 5   | 10  | 10  | 10  | 10  | 10   | 10   | 15   | 15   | 15   | 15   | 20   | 20   | 20   | 20   | 20   |
| W    | Central Separator with "C" Profile for Double Dependent Field |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |
| 1800 | 5                                                             | 5   | 5   | 10  | 10  | 10  | 10  | 10  | 10   | 15   | 15   | 15   | 15   | 20   | 20   | 20   | 20   | 20   | 25   |
| 1900 | 5                                                             | 5   | 5   | 10  | 10  | 10  | 10  | 10  | 10   | 15   | 15   | 15   | 15   | 20   | 20   | 20   | 20   | 25   | 25   |
| 2000 | 5                                                             | 5   | 10  | 10  | 10  | 10  | 10  | 10  | 15   | 15   | 15   | 15   | 20   | 20   | 20   | 20   | 25   | 25   | 25   |
| 2100 | 5                                                             | 5   | 10  | 10  | 10  | 10  | 10  | 10  | 15   | 15   | 15   | 20   | 20   | 20   | 20   | 25   | 25   | 25   | 30   |
| 2200 | 5                                                             | 10  | 10  | 10  | 10  | 10  | 10  | 15  | 15   | 15   | 20   | 20   | 20   | 20   | 25   | 25   | 25   | 25   | 30   |
| 2300 | 5                                                             | 10  | 10  | 10  | 10  | 10  | 10  | 15  | 15   | 15   | 20   | 20   | 20   | 20   | 25   | 25   | 25   | 30   | 30   |
| 2400 | 10                                                            | 10  | 10  | 10  | 10  | 10  | 10  | 15  | 15   | 20   | 20   | 20   | 20   | 25   | 25   | 25   | 30   | 30   | 30   |
| 2500 | 10                                                            | 10  | 10  | 10  | 10  | 10  | 15  | 15  | 15   | 20   | 20   | 20   | 25   | 25   | 25   | 30   | 30   | 30   | 30   |
| 2600 | 10                                                            | 10  | 10  | 10  | 10  | 10  | 15  | 15  | 20   | 20   | 20   | 20   | 25   | 25   | 30   | 30   | 30   | 30   | 30   |
| 2700 | 10                                                            | 10  | 10  | 10  | 10  | 10  | 15  | 15  | 20   | 20   | 20   | 25   | 25   | 30   | 30   | 30   | 30   | 30   | 30   |
| 2800 | 10                                                            | 10  | 10  | 10  | 10  | 15  | 15  | 20  | 20   | 20   | 20   | 25   | 30   | 30   | 30   | 30   | 30   | 30   | 30   |

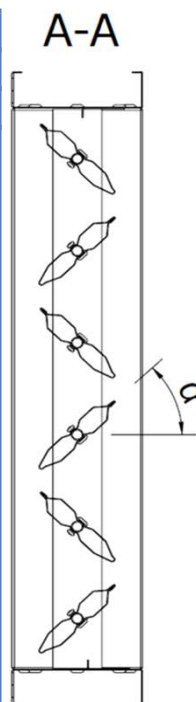
| Pneumatic Cylinder Selection Table    |                                  |                                  |
|---------------------------------------|----------------------------------|----------------------------------|
| Operating<br>air<br>pressure<br>[Bar] | Cylinder Type                    |                                  |
|                                       | Piston rod Ø27<br>stroke L=100mm | Piston rod Ø35<br>stroke L=150mm |
|                                       | Torque [Nm]                      | Torque [Nm]                      |
| 2                                     | 4                                | 10                               |
| 3                                     | 6                                | 15                               |
| 4                                     | 8                                | 20                               |
| 5                                     | 10                               | 25                               |
| 6                                     | 12                               | 30                               |
| 7                                     | 14                               | 36                               |
| 8                                     | 16                               | 41                               |



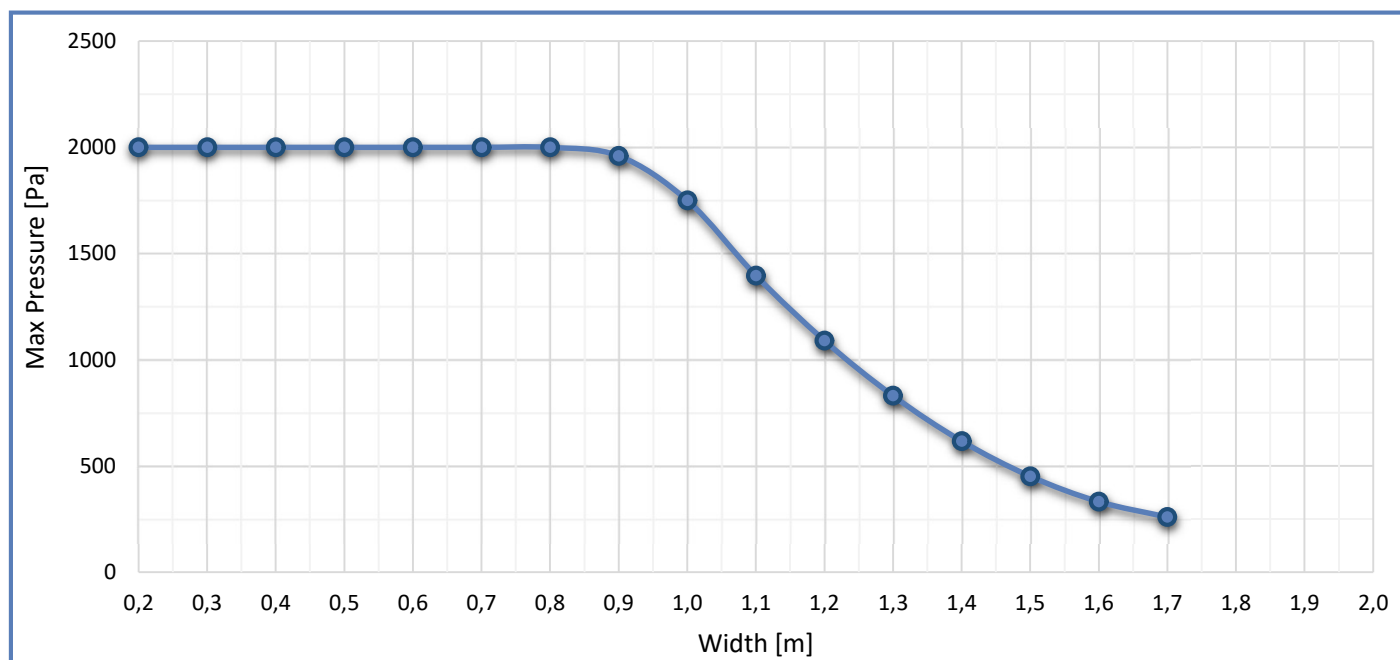
# DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

| Vel.<br>[m/s] | Pressure Drop and Generated Noise Data Table DLT100 |             |                     |             |                     |             |
|---------------|-----------------------------------------------------|-------------|---------------------|-------------|---------------------|-------------|
|               | $\alpha = 0^\circ$                                  |             | $\alpha = 30^\circ$ |             | $\alpha = 60^\circ$ |             |
|               | $\Delta p$ [Pa]                                     | LwA [dB(A)] | $\Delta p$ [Pa]     | LwA [dB(A)] | $\Delta p$ [Pa]     | LwA [dB(A)] |
| 1             | <5                                                  | <20         | 5                   | 27          | 78                  | 29          |
| 2             | <5                                                  | 23          | 23                  | 43          | 320                 | 50          |
| 3             | <5                                                  | 35          | 52                  | 54          | 780                 | 63          |
| 4             | <5                                                  | 43          | 90                  | 62          | 1350                | 72          |
| 5             | <5                                                  | 49          | 150                 | 66          | >1500               | 78          |
| 6             | <5                                                  | 53          | 240                 | 71          | >1500               | 84          |
| 7             | 7                                                   | 58          | 330                 | 74          | >1500               | 90          |
| 8             | 8                                                   | 62          | 420                 | 78          | >1500               | 93          |
| 9             | 11                                                  | 65          | 520                 | 82          | >1500               | 97          |
| 10            | 14                                                  | 68          | 640                 | 84          | >1500               | >100        |
| 11            | 17                                                  | 71          | 800                 | 86          | >1500               | >100        |
| 12            | 20                                                  | 73          | 960                 | 89          | >1500               | >100        |
| 13            | 23                                                  | 75          | 1090                | 91          | >1500               | >100        |
| 14            | 27                                                  | 77          | 1270                | 93          | >1500               | >100        |
| 15            | 32                                                  | 79          | 1470                | 94          | >1500               | >100        |



Maximum Allowable Pressure Chart DLT100 X





# DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

| mm<br>W\H | General Weight Table DLT100 X [Kg]                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------|---------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|           | 210                                                           | 310  | 410  | 510  | 610  | 710  | 810  | 910  | 1010 | 1110 | 1210 | 1310 | 1410 | 1510 | 1610 | 1710 | 1810 | 1910 | 2010 |
| 200       | 3,4                                                           | 4,3  | 5,2  | 6,1  | 7,0  | 7,9  | 8,8  | 9,7  | 10,6 | 11,5 | 12,4 | 13,3 | 14,2 | 15,1 | 16,0 | 16,9 | 17,8 | 18,7 | 19,6 |
| 300       | 4,1                                                           | 5,1  | 6,1  | 7,1  | 8,1  | 9,1  | 10,1 | 11,1 | 12,1 | 13,1 | 14,1 | 15,1 | 16,1 | 17,1 | 18,1 | 19,1 | 20,1 | 21,1 | 22,1 |
| 400       | 4,7                                                           | 5,8  | 6,9  | 8,0  | 9,1  | 10,3 | 11,4 | 12,5 | 13,6 | 14,7 | 15,8 | 16,9 | 18,0 | 19,1 | 20,2 | 21,4 | 22,5 | 23,6 | 24,7 |
| 500       | 5,4                                                           | 6,6  | 7,8  | 9,1  | 10,3 | 11,5 | 12,7 | 13,9 | 15,2 | 16,4 | 17,6 | 18,8 | 20,0 | 21,3 | 22,5 | 23,7 | 24,9 | 26,1 | 27,4 |
| 600       | 6,0                                                           | 7,3  | 8,6  | 10,0 | 11,3 | 12,6 | 14,0 | 15,3 | 16,6 | 18,0 | 19,3 | 20,6 | 21,9 | 23,3 | 24,6 | 25,9 | 27,3 | 28,6 | 29,9 |
| 700       | 6,6                                                           | 8,1  | 9,5  | 11,0 | 12,4 | 13,8 | 15,3 | 16,7 | 18,2 | 19,6 | 21,0 | 22,5 | 23,9 | 25,4 | 26,8 | 28,2 | 29,7 | 31,1 | 32,6 |
| 800       | 7,3                                                           | 8,8  | 10,4 | 11,9 | 13,5 | 15,0 | 16,6 | 18,1 | 19,7 | 21,2 | 22,8 | 24,3 | 25,9 | 27,4 | 29,0 | 30,5 | 32,1 | 33,6 | 35,2 |
| 900       | 7,9                                                           | 9,6  | 11,3 | 12,9 | 14,6 | 16,2 | 17,9 | 19,6 | 21,2 | 22,9 | 24,5 | 26,2 | 27,9 | 29,5 | 31,2 | 32,8 | 34,5 | 36,2 | 37,8 |
| 1000      | 8,6                                                           | 10,4 | 12,1 | 13,9 | 15,7 | 17,4 | 19,2 | 21,0 | 22,8 | 24,5 | 26,3 | 28,1 | 29,8 | 31,6 | 33,4 | 35,1 | 36,9 | 38,7 | 40,5 |
| 1100      | 9,2                                                           | 11,1 | 13,0 | 14,9 | 16,8 | 18,6 | 20,5 | 22,4 | 24,3 | 26,2 | 28,0 | 29,9 | 31,8 | 33,7 | 35,6 | 37,4 | 39,3 | 41,2 | 43,1 |
| 1200      | 9,9                                                           | 11,9 | 13,9 | 15,9 | 17,9 | 19,8 | 21,8 | 23,8 | 25,8 | 27,8 | 29,8 | 31,8 | 33,8 | 35,8 | 37,8 | 39,7 | 41,7 | 43,7 | 45,7 |
| 1300      | 10,5                                                          | 12,6 | 14,7 | 16,8 | 18,9 | 21,0 | 23,1 | 25,2 | 27,3 | 29,4 | 31,5 | 33,6 | 35,7 | 37,8 | 39,9 | 42,0 | 44,1 | 46,2 | 48,3 |
| 1400      | 11,2                                                          | 13,4 | 15,6 | 17,8 | 20,0 | 22,3 | 24,5 | 26,7 | 28,9 | 31,1 | 33,3 | 35,5 | 37,7 | 39,9 | 42,1 | 44,4 | 46,6 | 48,8 | 51,0 |
| 1500      | 11,9                                                          | 14,2 | 16,5 | 18,8 | 21,1 | 23,5 | 25,8 | 28,1 | 30,4 | 32,7 | 35,0 | 37,3 | 39,6 | 41,9 | 44,2 | 46,6 | 48,9 | 51,2 | 53,5 |
| 1600      | 12,5                                                          | 14,9 | 17,4 | 19,8 | 22,2 | 24,6 | 27,1 | 29,5 | 31,9 | 34,3 | 36,8 | 39,2 | 41,6 | 44,0 | 46,5 | 48,9 | 51,3 | 53,7 | 56,2 |
| 1700      | 13,2                                                          | 15,7 | 18,3 | 20,8 | 23,3 | 25,9 | 28,4 | 31,0 | 33,5 | 36,0 | 38,6 | 41,1 | 43,6 | 46,2 | 48,7 | 51,3 | 53,8 | 56,3 | 58,9 |
| W         | Central Separator with "C" Profile for Double Dependent Field |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 1800      | 14,3                                                          | 17,2 | 20,1 | 23,0 | 25,9 | 28,8 | 31,7 | 34,6 | 37,5 | 40,4 | 43,3 | 46,2 | 49,1 | 52,0 | 54,9 | 57,8 | 60,7 | 63,6 | 66,5 |
| 1900      | 14,9                                                          | 18,0 | 21,0 | 24,0 | 27,0 | 30,0 | 33,0 | 36,0 | 39,0 | 42,0 | 45,0 | 48,0 | 51,1 | 54,1 | 57,1 | 60,1 | 63,1 | 66,1 | 69,1 |
| 2000      | 15,6                                                          | 18,7 | 21,8 | 25,0 | 28,1 | 31,2 | 34,3 | 37,4 | 40,6 | 43,7 | 46,8 | 49,9 | 53,0 | 56,1 | 59,3 | 62,4 | 65,5 | 68,6 | 71,7 |
| 2100      | 16,3                                                          | 19,5 | 22,7 | 25,9 | 29,2 | 32,4 | 35,6 | 38,9 | 42,1 | 45,3 | 48,5 | 51,8 | 55,0 | 58,2 | 61,5 | 64,7 | 67,9 | 71,1 | 74,4 |
| 2200      | 16,9                                                          | 20,3 | 23,6 | 26,9 | 30,3 | 33,6 | 37,0 | 40,3 | 43,6 | 47,0 | 50,3 | 53,7 | 57,0 | 60,3 | 63,7 | 67,0 | 70,4 | 73,7 | 77,0 |
| 2300      | 17,6                                                          | 21,0 | 24,5 | 27,9 | 31,4 | 34,8 | 38,2 | 41,7 | 45,1 | 48,6 | 52,0 | 55,5 | 58,9 | 62,4 | 65,8 | 69,3 | 72,7 | 76,2 | 79,6 |
| 2400      | 18,2                                                          | 21,8 | 25,3 | 28,9 | 32,4 | 36,0 | 39,6 | 43,1 | 46,7 | 50,2 | 53,8 | 57,4 | 60,9 | 64,5 | 68,0 | 71,6 | 75,2 | 78,7 | 82,3 |
| 2500      | 18,9                                                          | 22,5 | 26,2 | 29,9 | 33,5 | 37,2 | 40,9 | 44,5 | 48,2 | 51,9 | 55,5 | 59,2 | 62,9 | 66,6 | 70,2 | 73,9 | 77,6 | 81,2 | 84,9 |
| 2600      | 19,5                                                          | 23,3 | 27,1 | 30,8 | 34,6 | 38,4 | 42,2 | 46,0 | 49,7 | 53,5 | 57,3 | 61,1 | 64,9 | 68,6 | 72,4 | 76,2 | 80,0 | 83,8 | 87,5 |
| 2700      | 20,2                                                          | 24,1 | 27,9 | 31,8 | 35,7 | 39,6 | 43,5 | 47,4 | 51,3 | 55,2 | 59,1 | 62,9 | 66,8 | 70,7 | 74,6 | 78,5 | 82,4 | 86,3 | 90,2 |
| 2800      | 20,8                                                          | 24,8 | 28,8 | 32,8 | 36,8 | 40,8 | 44,8 | 48,8 | 52,8 | 56,8 | 60,8 | 64,8 | 68,8 | 72,8 | 76,8 | 80,8 | 84,8 | 88,8 | 92,8 |



## DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

### ATEX Compliance:

The product is available in a version compliant with ATEX Directive 2014/34/EU for installation in **potentially explosive atmospheres**, classified as Zone 1 or 2 (gas) or Zone 21 or 22 (dust), depending on the requirements.

If fully motorized versions are requested, it is mandatory to use **ATEX-certified components** (for our certification, only Schischek-Rotork actuators may be used) and to follow the installation instructions specified for these environments.

### ATEX EXECUTION and available CERTIFICATIONS:

- Bronze bushings (maximum temperature +200 °C);
- For manual operation, round control shaft Ø12 mm, L=100 mm (standard shaft);
- For motorized versions, Schischek kit added with control square shaft 12x12 / 16x16;
- Grounding tab with corresponding label;
- ATEX certificate.



**ATEX version damper simple without actuator** equipped with free round control shaft Ø12 mm L=100mm and/or with manual control (optional heating cables can be installed on the damper).  
**SUITABLE FOR ZONE 1, 2, 21 e 22.**

Marcatura / marking

CE  II 2G Ex h IIC T6..T3 Gb  
 II 2D Ex h IIC T85°C..T200°C Db

**ATEX version damper with ExMax Schischek actuator** supplied by us and/or only prepared with Schischek kit (optional heating cables can be installed on the damper).  
**SUITABLE FOR ZONE 1, 21.**

Marcatura / marking

CE  II 2G Ex h IIC T6..T4 Gb  
 II 2D Ex h IIC T85°C..T135°C Db

**ATEX version damper with RedMax Schischek actuator** supplied by us and/or only prepared with Schischek kit (optional heating cables can be installed on the damper).  
**SUITABLE FOR ZONE 2, 22.**

Marcatura / marking

CE  II 3G Ex h IIC T6..T4 Gb  
 II 3D Ex h IIC T85°C..T135°C Db

**ATEX version damper (Non-Certified)** intended for safe areas and does not require certification. Available with free round control shaft Ø12 mm L=100mm and/or manual control mounted, or with InMax Schischek actuator supplied by us and/or only prepared with Schischek kit (optional heating cables can be installed on the damper).  
**SUITABLE FOR SAFE AREAS.**

Kit Schischek Tg.S - Plate support + Square shaft 12x12;



Kit Schischek Tg.M - Plate support + Square shaft 16x16;





## DLT100 X4-X6

Regulation damper 100 mm pitch in stainless steel AISI 304 or stainless steel AISI 316L

---

Kit Schischek Tg.S - Plate support + Square shaft 12x12;

Kit Schischek Tg.M - Plate support + Square shaft 16x16;