

IRIS



Description

- IRIS:** volume control damper
- option to read real-time flow value via Pressure plugs
 - made of galvanised steel

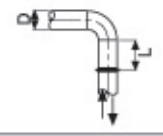
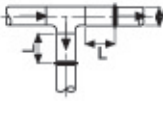
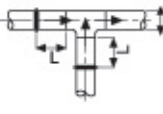

Δp

Max flow for V = 10 m/s up to DN 315 and V = 14 m/s other DN

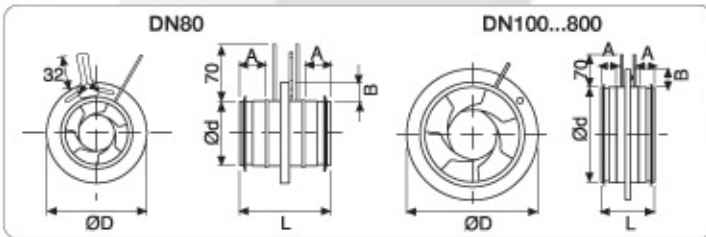
■: in AISI 304 stainless steel (except for DN 315/400 in AISI 316 L stainless steel)

NOTES: IRIS never closes completely

Tolerance with straight duct $\pm 5\%$

Assembly	Distance L	
	$m^2 = \pm 7\%$	$m^2 = \pm 10\%$
	≤ 10	≤ 10
	≤ 40	≤ 20
	≤ 20	≤ 20
	≤ 20	≤ 120

IRIS



IRIS dimensions

DN	Ød	ØD	L	A	B	Weight
80	79	125	110	30	22	0.5
100	99	165	110	30	32	0.5
125	124	188	110	30	32	0.7
150	149	230	210	27	40	0.9
160	159	230	110	30	35	0.9
200	199	285	110	30	42	1.4

IRIS dimensions

DN	Ød	ØD	L	A	B	Weight
250	249	335	135	40	42	2.1
315	314	410	135	40	47	3.5
400	398	525	190	60	62	6.4
500	498	655	170	50	77	9.6
630	628	815	170	50	92	15.6
800	798	1015	270	100	107	25.0

DLC



Description

- DLC:** single blade volume control damper
- made of galvanised steel
 - Drive shaft \varnothing 8 mm up to DN 250
 - Drive shaft \varnothing 12 mm up to DN 710

DLCX: like DLC but in AISI 304/316 stainless steel

Available execution

- In 304 stainless steel (list price x3)
- In 316L stainless steel (list price x4)
- Frame special dim. <500 mm (list price +30%)
- 8 mm casing return (list price +15%)

Accessories DLC (see page

- electric actuator/ pneumatic cylinder / etc.

DS



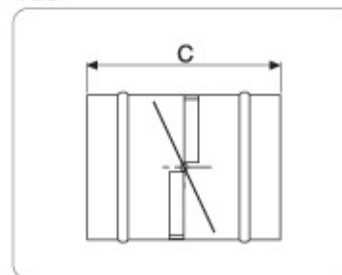
Description

- DS:** single blade volume control damper
- made of galvanised steel
 - manual control
 - pair of external outer gaskets
 - gasket on blade
 - leakage class 4 EN 1751

Accessories

- 24V or 230V actuators with 2 microswitches (list price €220)

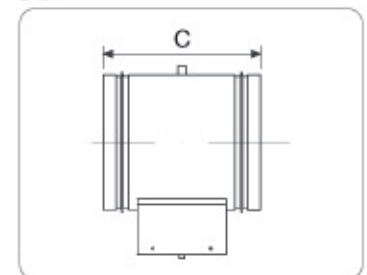
DLC



DLC

DN	C
100÷250	200
300÷355	300
400÷710	400

DS



DS

DN	C
80÷200	170
225÷400	255

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
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Air flow control

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