Motorized shut-off damper DTPU



Description

Motorised shut-off damper with pneumatic actuator.

Consists of a DTU damper with a pneumatic actuator installed. The actuator consists of a polyamide housing and metal parts of stainless steel.

When the actuator's control pressure increases, the actuator opens the damper blade. When the actuator's control pressure decreases, the actuator closes the damper blade, by using the spring inside the actuator. The damper blade is closed on delivery.

There is a separate assembly, measuring, balancing and maintenance instruction for this product.

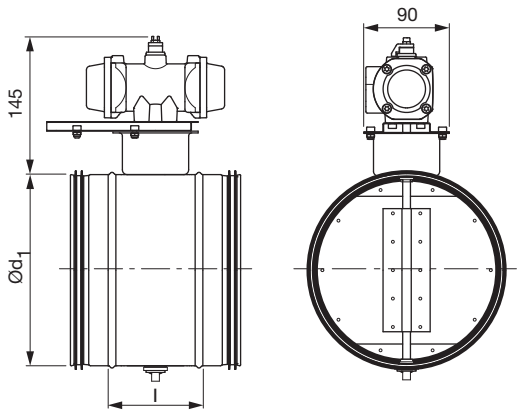
Order code

Product	DTPU
Dimension $Ød_1$	200
Motor type	PPWS

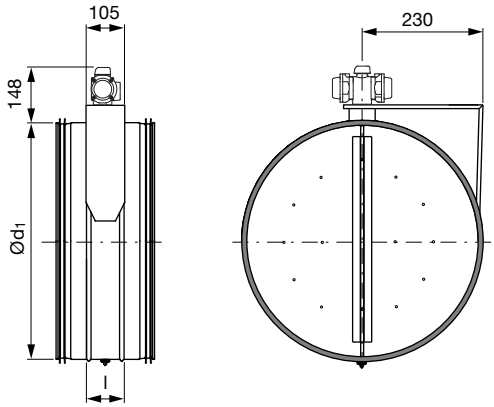
Order example: DTPU-200-PPWS

Dimensions

Ø80-400



Ø500-630



$Ød_{1\ nom}$ mm	l mm	m kg	Sealing class past closed blade	Pressure class in closed position
80	100	1,30	4	C
100	100	1,35	4	C
112	100	1,40	4	C
125	100	1,50	4	C
140	100	1,55	4	C
150	100	1,60	4	C
160	100	1,70	4	C
180	100	1,80	4	C
200	100	2,00	4	C
224	100	2,20	4	C
250	100	2,50	4	C
280	100	2,80	4	C
300	100	2,90	4	C
315	100	3,10	4	C
355	100	3,42	4	B
400	100	4,60	4	B
500	115	7,54	4	B
630	115	10,3	4	B

Lindab reserves the right to make changes without prior notice.

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Technical data

Pressure loss and sound data

Calculation of pressure loss, pressure drop and sound data is to be done in Lindab Quick Selection Tool (LindQST).

Calculate DTPU

Motors

PPWS

Properties	
Air connection	1/4” BSPP
Volume of free air required for full stroke	0,075 l
Max pressure	8 bar
Ambient temperature range	-5 to +60°C
Weight	0,50 kg
Running time 0–90°	1 s

	Pressure Bar	Position	Torque Nm
Spring movement	-	Start	10
Spring movement	-	End	6,7
Pneumatic movement	5	Start	7,4
Pneumatic movement	5	End	4,1
Pneumatic movement	6	Start	10,3
Pneumatic movement	6	End	7
Pneumatic movement	7	Start	13,1
Pneumatic movement	7	End	9,8
Pneumatic movement	8	Start	16,2
Pneumatic movement	8	End	12,9

PoWS

Properties	
Air connection	1/4” BSPP
Volume of free air required for full stroke	0,15 l
Max pressure	8 bar
Ambient temperature range	-5 to +60°C
Weight	0,90 kg
Running time 0–90°	1 s

	Pressure Bar	Position	Torque Nm
Spring movement	-	Start	18,8
Spring movement	-	End	12,7
Pneumatic movement	6	Start	15,9
Pneumatic movement	6	End	9,7
Pneumatic movement	7	Start	21
Pneumatic movement	7	End	14,8
Pneumatic movement	8	Start	26,1
Pneumatic movement	8	End	20

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