

PNEUMATIC SERIE



Heavy series pneumatic shutters have numerous advantages, combining the convenience of automation with a relatively simple installation.

The use of compressed air to operate the mechanism allows a quick and precise response in the opening and closing of the shutters.

This system offers flexible control, allowing real-time adjustments and adapting to different situations. In addition, pneumatic dampers are often considered safer than electric dampers in environments with fire danger. The damper control can be placed directly on the operating machine or on the machine operator panel.

The shutters are supplied standard with edges and ISO cylinder. Starting from the nominal size of Ø300, the device is always supplied with a protective housing. The heavy series is recommended on plants with passage of a lot of material and high depressions.

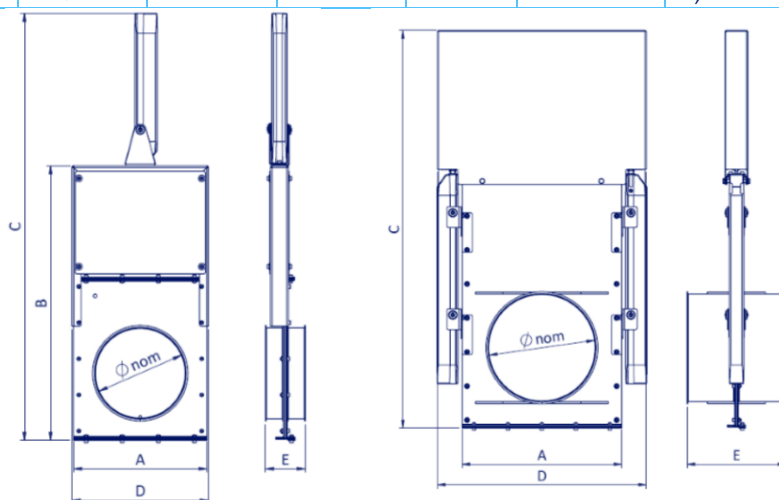
TECHNICAL DATA

- Available sizes: Ø80 ÷ Ø1000
- Maximum speed of air: 35 m/s
- Maximum working depression: 500 mmH₂O
- Working temperature: -20°C ÷ 80°C
- Time of closure: 10 mm/s
- Electric actuator specifications: see table below

Specific pneumatic cylinder						
Shutter's size	Ø80÷200	Ø220÷300	Ø350÷480	Ø500÷600	Ø620÷800	Ø850÷1000
Cylinders	ISO32	ISO40	ISO32	ISO40	ISO50	ISO63
Nr. Of Cylinders	1	1	2	2	2	2

DIMENSIONS

Ø [mm]	Mas s [kg]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	Body Thickness [mm]	Diaphragm Thickness [mm]
80	8	220	410	620	228	105	3,0	3,0
100	9	220	410	620	228	105	3,0	3,0
120	10	270	560	820	278	105	3,0	3,0
140	12	270	560	820	278	105	3,0	3,0
150	13	270	560	820	278	105	3,0	3,0
160	14	270	560	820	278	105	3,0	3,0
180	15	320	710	1020	328	105	3,0	3,0
200	17	320	710	1020	328	105	3,0	3,0
220	19	370	760	1130	378	105	3,0	3,0
240	21	370	760	1130	378	105	3,0	3,0
250	23	370	760	1130	378	105	3,0	3,0
260	24	370	760	1130	378	105	3,0	3,0
280	27	370	810	1230	378	105	3,0	3,0
300	28	420	-	1010	550	105	3,0	3,0
350	39	470	-	1160	600	285	3,0	3,0
400	47	520	-	1210	650	285	3,0	3,0
450	55	570	-	1360	700	285	3,0	3,0
500	64	620	-	1410	765	285	3,0	3,0
550	75	670	-	1600	815	285	3,0	3,0
600	85	720	-	1610	865	285	3,0	3,0
650	95	770	-	1760	945	285	3,0	3,0
700	105	820	-	1810	995	285	3,0	3,0
750	114	870	-	1960	1045	285	3,0	3,0
800	123	920	-	2010	1095	285	3,0	3,0
900	137	1020	-	2210	1195	285	3,0	3,0
1000	153	1120	-	2410	1400	285	3,0	3,0
1100	188	1226	-	2610	1395	285	3,0	3,0
1250	238	1376	-	2980	1564	285	3,0	3,0



Ø80 ÷ Ø280

Ø300 ÷ Ø1000

CHARACTERISTICS ON REQUEST

- ⊙ ATEX Version: Brass diaphragm and equipped with screw for grounding
- ⊙ Other materials: Stainless Steel AISI 304 or AISI 316
- ⊙ Other edges: smooth edges
- ⊙ Additional equipment: Smooth flanges or Pressed flanges, protection (not included for Ø80÷Ø280)
- ⊙ **Available upgrades:**
 - Electrovalve for combined electro/pneumatic control
 - Standard magnetic position sensor
 - ATEX magnetic position sensor
- ⊙ Specifications of solenoid valve: see table below

Solenoid Valve Specifications	
Fitting	1/8
Working pressure [bar]	6 ÷ 8
Dust and Liquids Protection	IP65
Available AC voltages	24V – 110V – 220V
Available DC voltages	24V