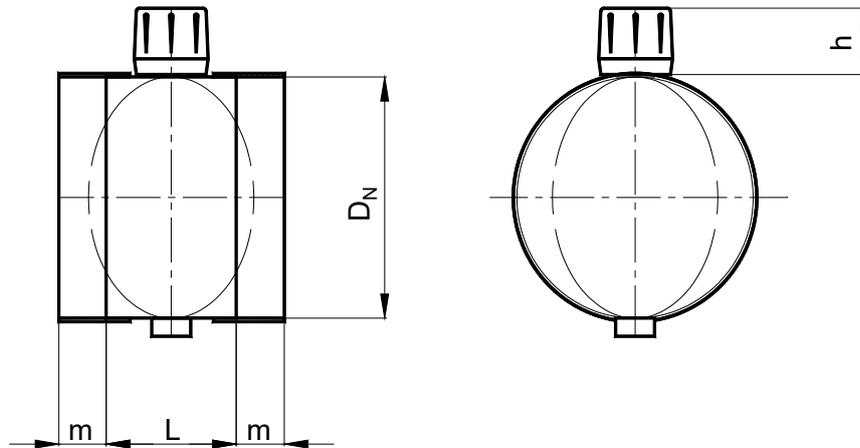


Damper Flap, manually adjustable

Art. No. 53300

prices on application

MIETZSCH



- Operating Conditions:** max. Flow velocity = 10 m / s
 perm. continuous load (permissible pressure difference) with closed flap:
 PVC: 1600 Pa at 30 °C.
 PPS: 1000 Pa at 30 °C.
- Flap Settings:** up to DN = 400 mm in 15 ° - Levels (infinitely variable upon request)
 larger than DN = 400 mm infinitely variable
- Connections:** default both sides with welding socket (with flange upon request)
- Special Design:** Other materials and versions for higher flow velocity or constant load available upon request.

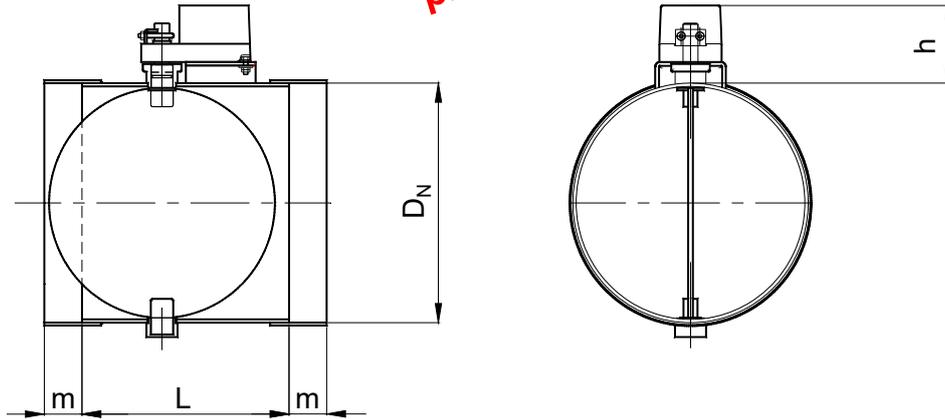
D _N mm	Dimensions			PPs EUR	PE EUR	PP EUR	PVC EUR	PVDF EUR	PPsX EUR
	L mm	m mm	h _{max} mm						
50	60	35	70						
63	60	35	70						
75	60	35	70						
90	60	35	70						
110	75	40	70						
125	70	40	70						
140	70	40	70						
160	70	40	70						
180	70	50	70						
200	70	50	70						
225	70	50	70						
250	70	50	70						
280	70	50	70						
315	70	50	70						
355	75	50	70						
400	80	50	70						
450	450	50	70						
500	500	50	70						
560	560	50	70						
630	630	50	70						
710	710	50	70						
800	800	50	70						

The dimensions are subject to technical changes and are not bound before written confirmation.

Designation Example:

Damper Flaps. manually adjustable D_N 250 PVC

prices on application



- Operating Conditions:** max. Flow velocity = 10 m / s
 perm. continuous load (permissible pressure difference) with closed flap:
PVC: 1600 Pa at 30 ° C **PPs:** 1000 Pa at 30 ° C.
- Materials:** either PVC or PPs (materials such as PE or conductive plastics upon request)
- Connections:** default both sides with welding socket (with flange upon request)
- Actuators:** Standard actuators are used in the following models:
 adjustable mechanical end limits
 Ambient temperature -30 ... + 50 ° C Degree of protection IP 54
- BELIMO-Actuators Runtime 150s, either AC/DC 24V or AC 230V**
AUF/ZU Standard drive for open / close or 3-point control
AUF/ZU-S with integrated auxiliary switch (changeover)
SR continuously adjustable with position feedback DC 2 ... 10 V
- BELIMO-Actuators Runtime 2.5s, 4s or 7s, AC/DC 24V**
AUF/ZU faster drive for open / close
AUF/ZU-S with attachable auxiliary switch (changeover optional)
- Upon request:
JOVENTA-Actuators Runtime 8s or 16s, either AC/DC 24V or AC 230V
AUF/ZU-SA faster drive for open / close or 3-point control
AUF/ZU-SA-S with integrated auxiliary switch (changeover)
- Without Actuator** with console. prepared for various actuators (specify type)
- Special Design:** other actuators. versions for other operating conditions
 explosion-proof flaps according to directive EN 2014/34/EU (**ATEX**) upon request

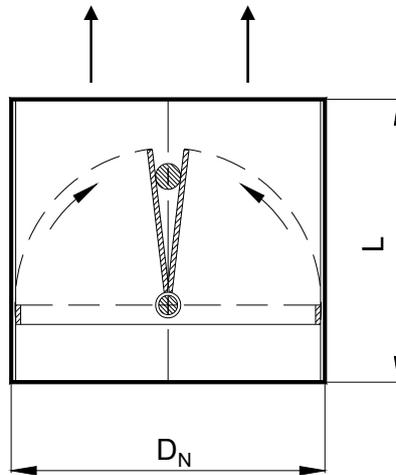
Dimensions				AUF/ZU	AUF/ZU-S	SR		Drive	AUF/ZU-SA		without actuator				
PPs / PE / PP				Standard	with aux. switch	constantly controllable			High-speed		(with console)				
D _N	L	m	h _{max}	24V or 230V	24V oder 230V	24V	230V	Belimo	24V	Drive	PPs PP/PE	PVC	PVDF	PPsX	
mm	mm	mm	mm	EUR	EUR	EUR	EUR		EUR	EUR	Belimo	EUR	EUR	EUR	EUR
75	250	30	95					LM..A	LMQ..A Runtime 2.5s						
90	250	30	95												
110	250	30	95												
125	280	30	95												
140	280	30	95												
160	280	30	95												
180	280	30	95												
200	280	30	95												
225	290	30	95												
250	290	30	95												
280	290	30	95					NMQ..A Runtime 4s							
315	350	30	95												
355	350	30	95												
400	350	30	95												
450	450	50	95												
500	500	50	95												
560	560	50	95					SMQ..A Runtime 7s							
630	630	50	110												
710	710	50	110												
800	800	50	110												
										Aux. switch S1					
										Aux. switch S2					

Designation Example: Damper Flap with Actuator AUF/ZU-S 230V D_N 250 PVC

Backdraft Flap, vertical (V)

Art. No. 53310

prices on application



- Operating Conditions:** only for vertical installation (type V)
 max. Flow Velocity = 16 m/s
 max. Operating Temp.: PVC : 50 °C
 PPs : 70 °C
- Connections:** smooth on both sides (GG) or
 both sides with sockets (MM)
- Loss Coefficient:** $\zeta = 0.3$
- Special Design:** other materials available upon request

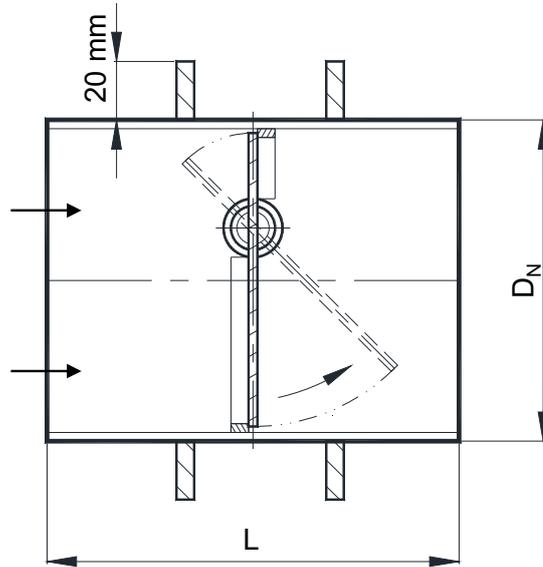
Dimensions		PPs	PE	PP	PVC	PVDF	PPsX
D _N mm	L mm	EUR	EUR	EUR	EUR	EUR	EUR
75	120						
90	130						
110	140						
125	150						
140	160						
160	160						
180	170						
200	190						
225	200						
250	220						
280	250						
315	270						
355	300						
400	330						
450	360						
500	390						
560	430						
630	450						

Designation Example: Backdraft Flap V-GG D_N 250 PVC

Backdraft Flap, horizontal (H)

Art. No. 53330

prices on application



- Operating Conditions:** only for horizontal installation (type H)
 max. Flow Velocity = 16 m/s
 max. Operating Temp.: PVC : 50 °C
 PPs : 70 °C
- Connections:** smooth on both sides (GG) or both sides with sockets (MM)
- Loss Coefficient:** $\zeta = 0.3$
- Special Design:** other materials available upon request

Dimensions		PPs	PE	PP	PVC	PVDF	PPsX
D _N mm	L mm	EUR	EUR	EUR	EUR	EUR	EUR
75	120						
90	130						
110	140						
125	150						
140	160						
160	160						
180	170						
200	190						
225	200						
250	220						
280	250						
315	270						
355	300						
400	330						
450	360						
500	390						
560	430						
630	450						

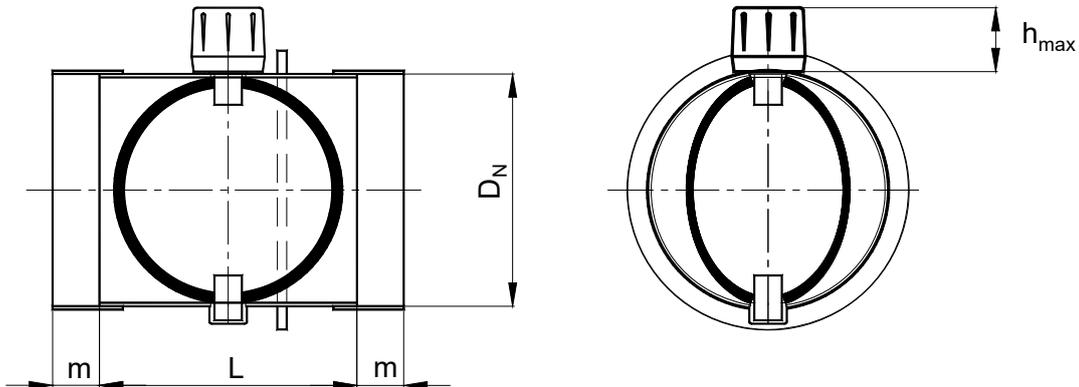
Designation Example: Backdraft Flap H-GG D_N 250 PVC

Butterfly Flap, manually adjustable

Art. No. 53320

prices on application

MIETZSCH



- Amount of Leakage:** airtight to DIN EN 1751
Leakage flow less than 10 m³/h / m² at 100 Pa pressure difference
- Operating Conditions:** Max. Flow Velocity = 10 m/s
perm. continuous load (permissible pressure difference) with closed flap:
PVC : 1600 Pa at 30 °C
PPs : 1000 Pa at 30 °C
- Flap Settings:** up to D_N=400 mm in 15° - levels (infinitely variable upon request)
larger than D_N=400 mm infinitely variable
- Connections:** default both sides with welding socket (with flange upon request)
- Special Design:** Other materials and versions for higher flow velocity or constant load available upon request.

D _N mm	Dimensions			PPs EUR	PE EUR	PP EUR	PVC EUR	PVDF EUR	PPsX EUR
	L mm	m mm	h _{max} mm						
75	120	30	70						
90	120	30	70						
110	140	30	70						
125	140	30	70						
140	160	30	70						
160	180	30	70						
180	200	30	70						
200	220	30	70						
225	240	30	70						
250	270	30	70						
280	300	30	70						
315	340	30	70						
355	380	30	70						
400	420	30	70						
450	450	50	70						
500	500	50	70						
560	560	50	70						
630	630	50	70						
710	710	50	70						
800	800	50	70						

Designation Example:

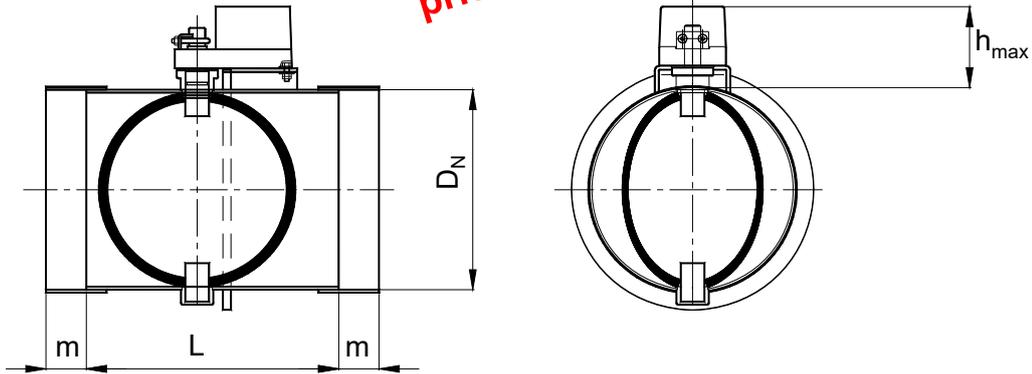
Butterfly Flap, manually adjustable D_N 250 PVC

Butterfly Flap with Actuator

Art. No. 53321

prices on application

MIETZSCH



- Amount of Leakage:** airtight to DIN EN 1751
Leakage flow less than 10 m³/h / m² at 100 Pa pressure difference
- Operating Conditions:** Max. Flow Velocity= 10 m/s
perm. continuous load (permissible pressure difference) with closed flap:
PVC : 1600 Pa at 30 °C **PPs** : 1000 Pa at 30 °C
- Materials:** either PVC or PPs (Materials such as PE or conductive plastics upon request)
- Connections:** default both sides with welding socket (with flange on request)
- Actuators:** Standard actuators are used in the following models:
adjustable mechanical end limits
Ambient temperature -30 ... + 50 ° C Degree of protection IP 54
- BELIMO-Actuators Runtime 150s, either AC/DC 24V or AC 230V**
AUF/ZU Standard drive for open / close or 3-point control
AUF/ZU-S with integrated auxiliary switch (changeover)
SR continuously adjustable with position feedback DC 2 ... 10 V
- BELIMO-Actuators Runtime 2.5s, 4s or 7s, AC/DC 24V**
AUF/ZU faster drive for open / close
AUF/ZU-S with attachable auxiliary switch (changeover optional)
- Upon request:
JOVENTA-Actuators Runtime 8s or 16s. either AC/DC 24V or AC 230V
AUF/ZU-SA faster drive for open / close or 3-point control
AUF/ZU-SA-S with integrated auxiliary switch (changeover)
- Without Actuator** with console. prepared for various actuators (specify type)
- Special Design:** other actuators. versions for other operating conditions
explosion-proof flaps according to directive EN 2014/34/EU (**ATEX**) upon request

Dimensions				AUF/ZU	AUF/ZU-S	SR		Drive	AUF/ZU-SA		without actuator			
D _N mm	PPs / PE / PP			Standard	with aux. switch	constantly controllable			Belimo	High-speed		(with console)		
	L mm	m mm	h _{max} mm	24V or 230V EUR	24V oder 230V EUR	24V EUR	230V EUR	24V EUR		Drive Belimo	PPs PP/PE EUR	PVC EUR	PVDF EUR	PPsX EUR
75	250	30	95											
90	250	30	95											
110	250	30	95											
125	280	30	95											
140	280	30	95											
160	280	30	95						LM..A					
180	280	30	95											
200	280	30	95											
225	290	30	95											
250	290	30	95											
280	290	30	95											
315	350	30	95						NM..A					
355	350	30	95											
400	350	30	95											
450	450	50	95						SM..A					
500	500	50	95											
560	560	50	95											
630	630	50	110											
710	710	50	110											
800	800	50	110											
									Aux. switch S1					
									Aux. switch S2					

Designation Example: Butterfly Flap with Actuator AUF/ZU-S 230V D_N 250 PVC