

Air Flow Control

Blue-S Volume Control Dampers

At Gerhman we are driven by a strong desire to continuously generate improvements. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.



gerhman.com

Air Flow Control

Blue-S

Volume Control Dampers



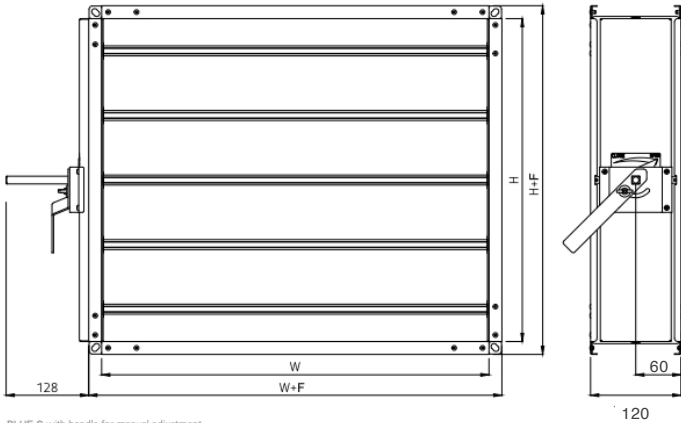
Volume control dampers type 'Blue-S', are used for air volume and pressure control. They are made out of galvanized steel sheet. Damper gears and bearings are produced out of ABS plastic. Damper can be operated manually or equipped with electric actuator (24V or 230V) with or without position indicator.

Design

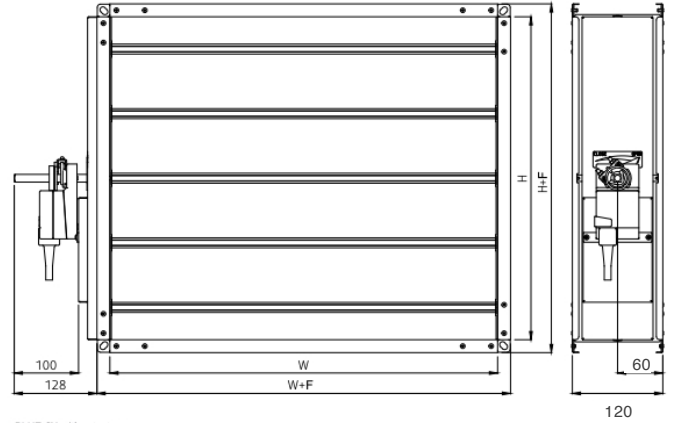
- Blue-S units are made from sheet steel frame and Aluminium profile blades.
- Available in stainless steel upon on request. (SS304, SS316, SS316L)...SS
- The frame has 20-25-30-35 mm wide flanges options.
- The aerofoil blades are from extruded aluminium.
- The blades are optionally equipped by rubber gaskets eliminating leakage in closed position.
- Opposed blade operation
- Casing air leakage according to EN1752, class C
- Open/close, continuous, fast acting and spring return actuators options
- Operation: $\Delta p_{max} = 1000 \text{ Pa}$; $t_{max} = 70 \text{ }^\circ\text{C}$

Dimensions

Blue-S



BLUE-S with handle for manual adjustment



BLUE-SX with actuator



Flange Options	F
20 mm (standard)	40 mm
25 mm (standard)	50 mm
30 mm	60 mm
35 mm	70 mm

DIMENSIONS

Base W [mm]	Height H [mm]
200	200
300	300
400	400
500	500
600	600
700	700
800	800
900	900
1000	1000
1200	1000
1400	1000

* All combinations W x H are possible

WEIGHTS

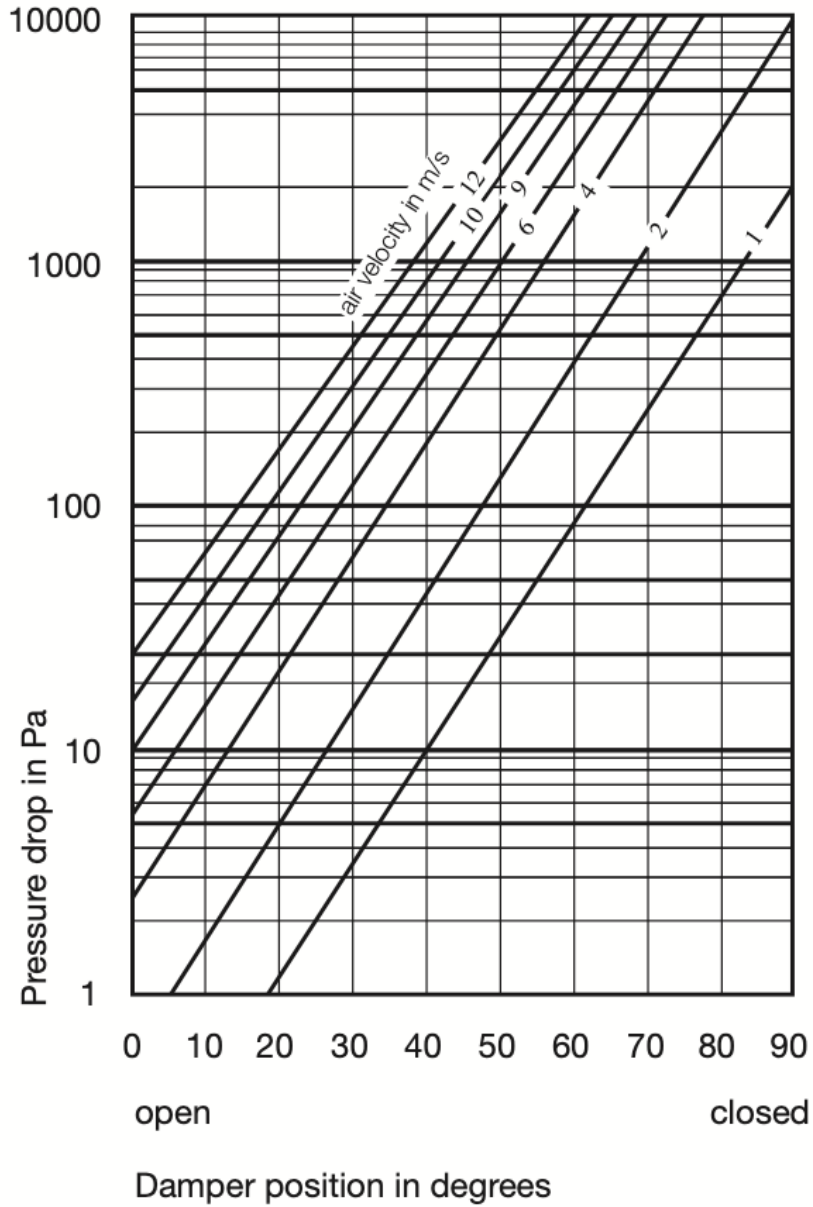
Except actuators!

Base W [mm]	Height H [mm]									
	200	300	400	500	600	700	800	900	1000	
200	2	2	3	3	3	4	4	5	5	
300	3	3	4	4	5	5	5	6	6	
400	4	4	5	5	6	6	7	7	8	
500	4	4	5	5	6	7	7	8	9	
600	5	5	6	7	7	8	9	9	10	
700	6	6	7	8	8	9	10	11	11	
800	6	7	8	9	9	10	11	12	13	
900	7	7	8	9	10	11	12	13	14	
1000	7	7	9	10	11	12	13	14	15	
1200	8	9	10	11	12	13	14	15	16	
1400	9	10	11	12	13	14	15	16	17	

*Weights are shown in kg.

Performance Data

Blue-S



Selection actuator

Blue-SX (with electric actuator)

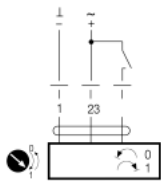


	0-10 V		2/3-point		Spring return "OPEN" and "CLOSED"		Spring return 0-10 V
	24 V AC/DC	230 V AC	24 V AC/DC	230 V AC	24 V AC/DC	230 V AC	24 V AC/DC
4 Nm	-	-	-	-	M21	M20	M23
5 Nm	M12	M16	M01	M02	-	-	-
10 Nm	M13	M17	M03	M04	M27	M29	M28
20 Nm	M14	M18	M05	M06	M25	M24	M22
40 Nm	M15	-	M07	M08	-	-	-

Wiring diagram

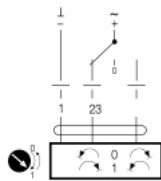
-open/close

AC/DC 24 V, open/close



1 = black
2 = red
3 = white

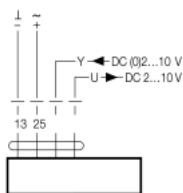
AC/DC 24 V, 3-point



1 = black
2 = red
3 = white

-continuous

AC/DC 24 V, modulating

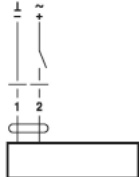


1 = black
2 = red
3 = white
5 = orange

Actuator

-spring return

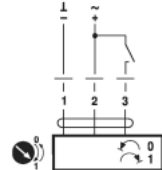
AC/DC 24 V, open/close



1 = black
2 = red

-fast-acting

AC/DC 24 V, open/close

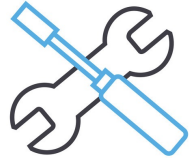


1 = black
2 = red
3 = white

Air Flow Control

Blue-S

Volume Control Dampers



Installation, Maintenance & Operation

The fixing bolts, nuts, clips and gaskets shall be delivered by the installation company. The damper cannot be installed carrying any mechanical loads from other structures. Blue-S is mounted into the ductwork by a standard flange.

Transport & Storage

Dry indoor conditions with a temperature range of -20°C to +50°C.

Supplement

We reserve the right to make any changes to the product without prior notice, provided that these changes do not affect the quality of the product and the required parameters.



gerhman.com

Air Flow Control

Blue-S Volume Control Dampers



• +90 0850 303 4766



• info@gerhman.com



• gerhman.com