

BV3 & BV5 Series

Air Intake Shutdown Butterfly Valve

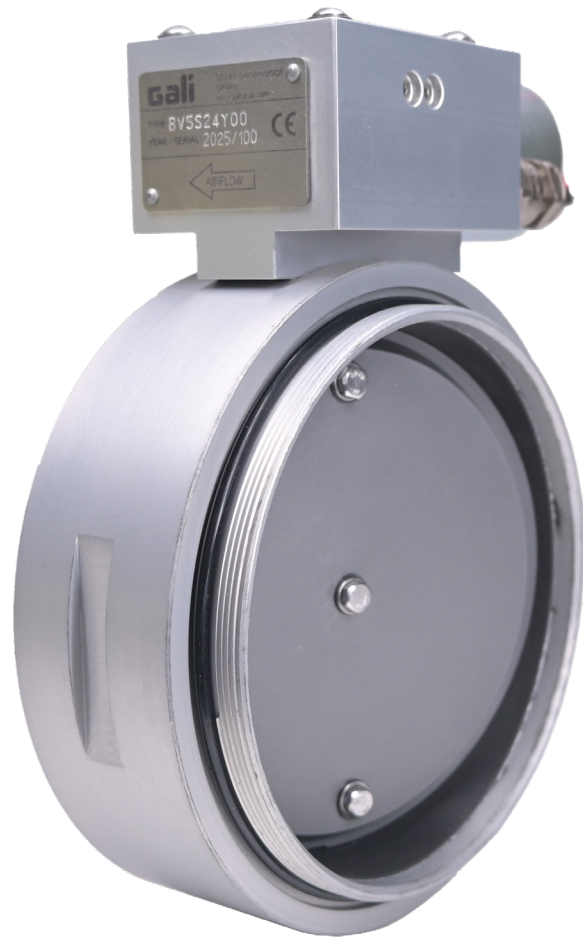
(Energized to open / Fail safe)

gali

BV-CA_en-a



BV3 Series



BV5 Series

- Suitable for both **naturally aspirated and turbo charged engines**.
- Available with a **microswitch to indicate valve status** (open or closed).
- **Mountable in any position**.
- Operating **temperature range**: -40°C to +120°C.

- **ATEX Zone 1**  certified version is **available** ensuring compliance and safety in the most demanding environments.
- Our valve is **designed to replace existing installations without modifications**. Fully **compatible with most market valves**, it ensures a cost-effective upgrade.

Diesel engines are at risk of uncontrolled overspeed. The **GALI Butterfly Valve** is specifically designed to be **installed in the air intake line of a diesel engine**, providing **fast emergency shutdown to prevent engine runaway**.

The valve is **energized to open and fails safe**. In the event of a **power failure or emergency**, the

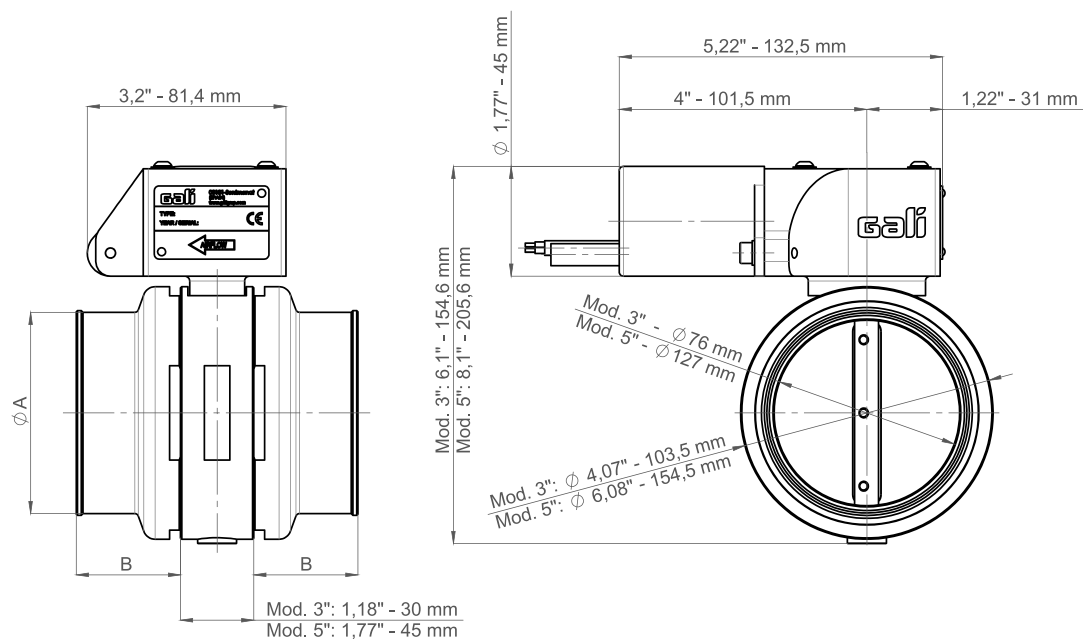
valve closes automatically, stopping the engine within seconds to prevent damage or disaster.

Constructed from corrosion-resistant materials, the GALI valve is built for durability and performance. It is **adaptable to a wide range of pipe sizes through the use of hose adaptors**, ensuring a perfect fit for your engine configuration.

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TECHNICAL DATA

Valve size	BV3 (3")	BV5 (5")
Current / Voltage	60A (pull) + 1A (hold) @ 12VDC	
	30A (pull) + 0,5A (hold) @ 24VDC	
	Cable length 300 mm	
Temperature	Ambient: min. -40°C / max. +120°C	
	Air intake: max. +120°C	
Micro switch	24V 1A max.	
	Cable length 3 m (Standard)	
Maximum allowable tension time for actuation of the traction solenoid	1,5 seconds	
Maximum number of drive cycles	4 cycles / minute	
Recommended setting for the drive of the traction solenoid in the stop controller	1 second	

Adapters for 3" / Ø76 mm valve

Reference	ØA(mm) / ØA(inches)	B(mm) / B(inches)
BV31038	38 / 1 1/2	132 / 5,2
BV31044	44.5 / 1 3/4	130 / 5,1
BV31051	51 / 2	127 / 5,0
BV31057	57 / 2 1/4	125 / 4,9
BV31060	60 / 2 3/8	124 / 4,9
BV31063	63.5 / 2 1/2	123 / 4,8
BV31067	67 / 2 5/8	121 / 4,8
BV31070	70 / 2 3/4	120 / 4,7
BV31076	76 / 3	118 / 4,6
BV31082	82.5 / 3 1/4	116 / 4,6
BV31089	89 / 3 1/2	90 / 3,5
BV31102	102 / 4	114 / 4,5

Adapters for 5" / Ø127 mm valve

Reference	ØA(mm) / ØA(inches)	B(mm) / B(inches)
BV51089	38 / 3 1/2	164 / 6,5
BV51095	95 / 3 3/4	161 / 6,3
BV51102	102 / 4	157 / 6,2
BV51108	57 / 4 1/4	153 / 6,0
BV51114	114 / 4 1/2	150 / 5,9
BV51121	121 / 4 3/4	146 / 5,7
BV51127	127 / 5	142 / 5,6
BV51140	140 / 5 1/2	129 / 5,1
BV51152	152 / 6	124 / 4,9