

BV3 & BV5 Series

Air Intake Shutdown Butterfly Valve

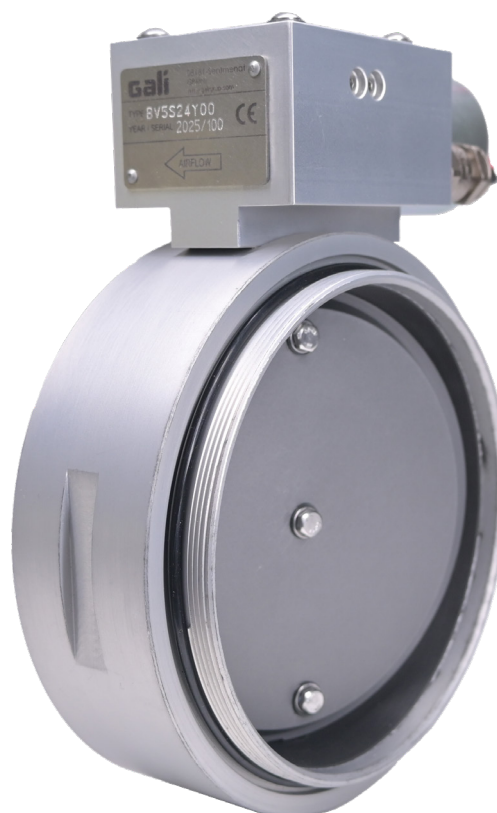
(Energized to open / Fail safe)

gali

BV-CA_en-b



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 over-speed. 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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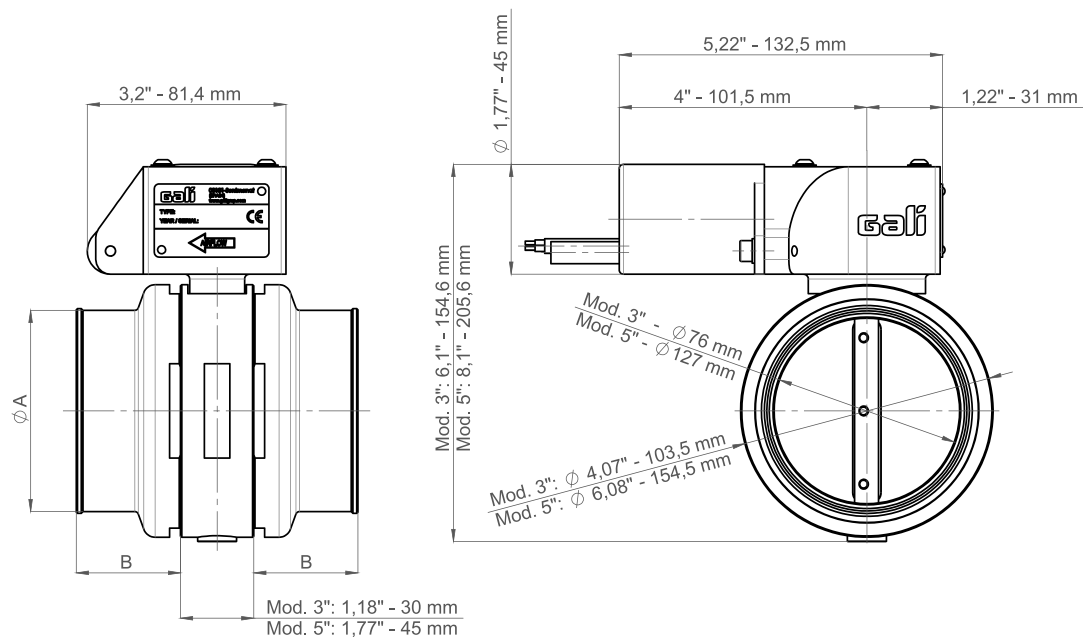
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TECHNICAL DATA

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 lenght 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	ØAmm / ØA[in]	B(mm) / B[in]
BV31038	38 / [1 1/2]	51 / [5,2]
BV31044	44.5 / [1 3/4]	50 / [5,1]
BV31051	51 / [2]	49 / [5,0]
BV31057	57 / [2 1/4]	47 / [4,9]
BV31060	60 / [2 3/8]	47 / [4,9]
BV31063	63.5 / [2 1/2]	46 / [4,8]
BV31067	67 / [2 5/8]	46 / [4,8]
BV31070	70 / [2 3/4]	45 / [4,7]
BV31076	76 / [3]	44 / [4,6]
BV31082	82.5 / [3 1/4]	43 / [4,6]
BV31089	89 / [3 1/2]	30 / [3,5]
BV31102	102 / [4]	42 / [4,5]

Adapters for 5" / Ø127 mm valve

Reference	ØA(mm) / ØA[in]	B(mm) / B[in]
BV51089	89 / [3 1/2]	59 / [2,3]
BV51095	95 / [3 3/4]	58 / [2,3]
BV51102	102 / [4]	57 / [2,2]
BV51108	108 / [4 1/4]	54 / [2,1]
BV51114	114 / [4 1/2]	52 / [2]
BV51121	121 / [4 3/4]	50 / [2]
BV51127	127 / [5]	48 / [1,9]
BV51140	140 / [5 1/2]	42 / [1,7]
BV51152	152 / [6]	39 / [1,6]

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