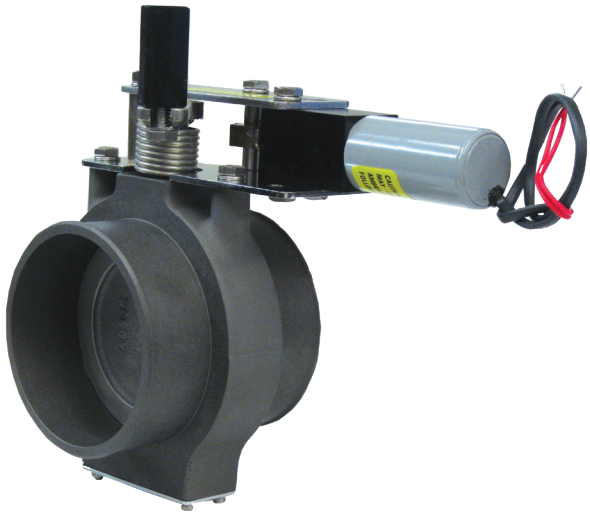
Air Intake Shut-off Valve

Model 4262C



Overview

Diesel runaway is a constant problem, injuring personnel and causing severe damage to equipment every year. A diesel engine will runaway and self destruct on hydrocarbon vapors, even if the engine's primary source of fuel is taken away. An air intake shut-off valve is a must for diesel engines which have even a possibility of encountering hydrocarbon vapors.

Model 4262C Air Intake Shut-off Valve is manually opened prior to starting the engine. To stop the engine in an emergency or in the event of engine runaway (overspeed), it can be actuated pneumatically, hydraulically or electrically and a manual option is available.

Key features and benefits

- Fast acting, solenoid operation
- Compact design for easy installation
- Corrosion resistant (anodized aluminum and stainless steel construction)

Typical applications

Runaway/overspeed shutdown of small diesel engines powering the following, but not limited to, equipment:

Aerial platforms, Air compressors, Aircraft refuelling, Cranes, Diesel mowers, Diggers, Fork lift trucks, Fuel tankers, Generator sets, Hydraulic power packs, Jetting pumps, Light towers, Marine engines, Mining machinery, Mud pumps, Seismic testing trucks, Vacuum trucks, Vehicles, Water pumps, Welding sets, Wire line units

Specifications

Standard materials	Valve body and disc	Hard anodized aluminum	
	Valve shafts	Stainless steel	
	Seals	Viton	
	Safety control operator	Anodized aluminum	
	Pneumatic cylinders	Aluminum and stainless steel	
	Brackets	Stainless steel	
Maximum intake air temperature	Viton	125°C	257°F
Valve size	*Valve Size*	*OD*	*BORE*
	4”	10.1 cm | 4.0 in	9.4 cm | 3.7 in
	6”	15.2 cm | 6.0 in	14.2 cm | 5.6 in
Net weight (including operator)	*Valve Size*		
	4”	1.81 kg	4.0 lbs
	6”	3.4 kg	7.5 lbs
Pneumatic cylinder	Minimum actuation pressure	207 kPa	30 psi
	Maximum working pressure	1380 kPa	200 psi
	Pressure connection	1/8” NPT	
Manual operator	Mechanical pull to release	67 N	15 lbs
Electric solenoid operators (intermittent duty)	12VDC & 24 VDC	107 W	
	Maximum coil temperature	175°C	350°F
	Rated for intermittent duty; 1 minute on, 9 minutes off		
Safety control operator	Adjustable tripping pressure	34 - 275 kPa	5 - 40 psi falling
	Maximum pressure on diaphragm	1172 kPa	170 psi
	Pressure connection	1/4” NPT	

Dimensions (Reference Table 1)

Solenoid

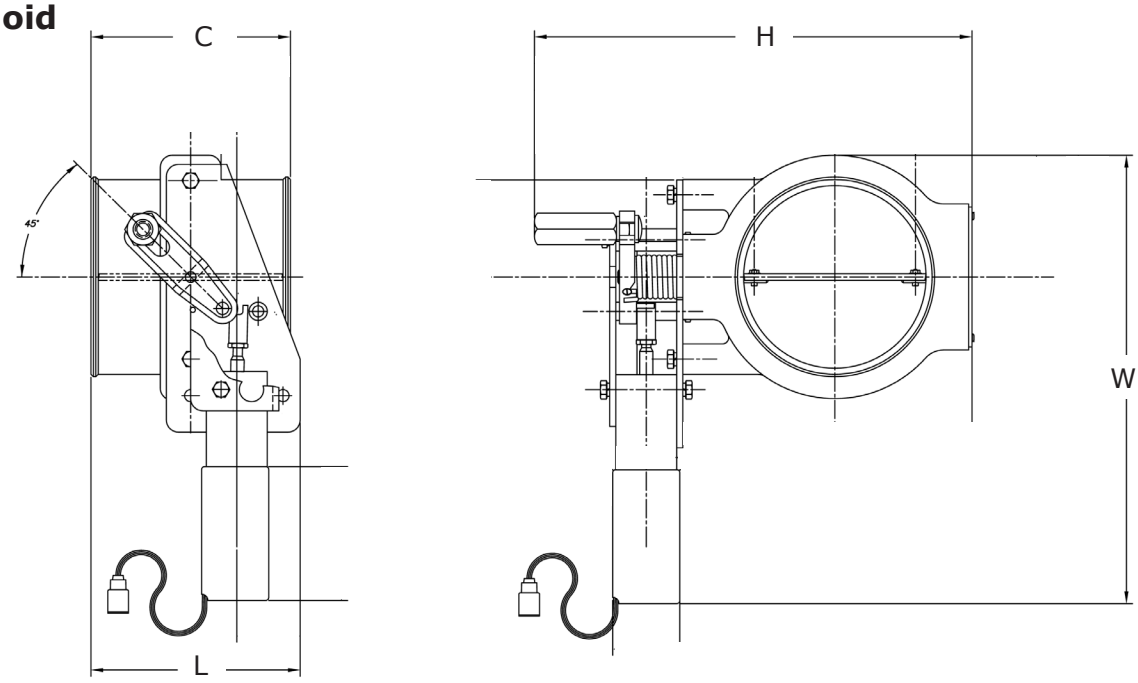


Table 1

Actuation Type	Size (in)	Dimensions							
		C		H		L		W	
		mm	in	mm	in	mm	in	mm	in
Solenoid	4	104	4.1	229	9	109	4.3	234	9.2
	6	108	4.2	273	10.7	114	4.5	259	10.1

Note: Contact factory for more detailed dimensions or other actuation configurations.

How to Order

MODEL | **4262C** | **AA** | **B** | **C** | **DD**

AA	Valve Size
04	4”
06	6”

B	Valve Material
A	Aluminum/ Viton O-ring

C	Actuator Option
0	Standard actuator

DD	Actuation Type
21	Pneumatic Cylinder: Pressurize to run, spring return to close, NPT threads
23	Manual/Pneumatic Cylinder: Manually cocked to run, pressurize or manual trip to shut down, NPT thread
25	Pneumatic Cylinder: Pressurize to close, spring return to open
41	Safety Control, NPT thread
71*	Electric Solenoid: 12 VDC, manually cocked to run, energize to shut down
72*	Electric Solenoid: 24 VDC, manually cocked to run, energize to shut down

*Electric solenoid should be installed in horizontal orientation.

Accessories

A range of accessories including Speed Switches, Installation Kits, Activation Kits and Wiring Harness Kits can be purchased with your 4262C valve. See System Selection Guide (DS-System-Selection-Guide-07-12)

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