

# Intake Air Shut-off Valve

Model 4261D

## Overview

Diesel run-away 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 intake air shut-off valve is a must for diesel engines which have even a possibility of encountering hydrocarbon vapors. The 4261D Intake Air Shut-off Valves from AMOT use the best available technology to shut down a runaway diesel by choking off engine intake air.



**4261D**

**Intake Air Shut-off Valve**

## Typical applications

For engine idle in the event of overspeed caused by mechanical failure or intake of hydrocarbon vapors.

## Key features and benefits

- Corrosive resistant, anodized aluminum and stainless steel construction
- Best available technology - "Butterfly Valve" design
- Use "Stand alone" or in complete runaway shut down system
- Remote reset capability
- Manual, pneumatic, electric or hydro mechanical actuation
- Easily installed, saves money
- Most compact design available



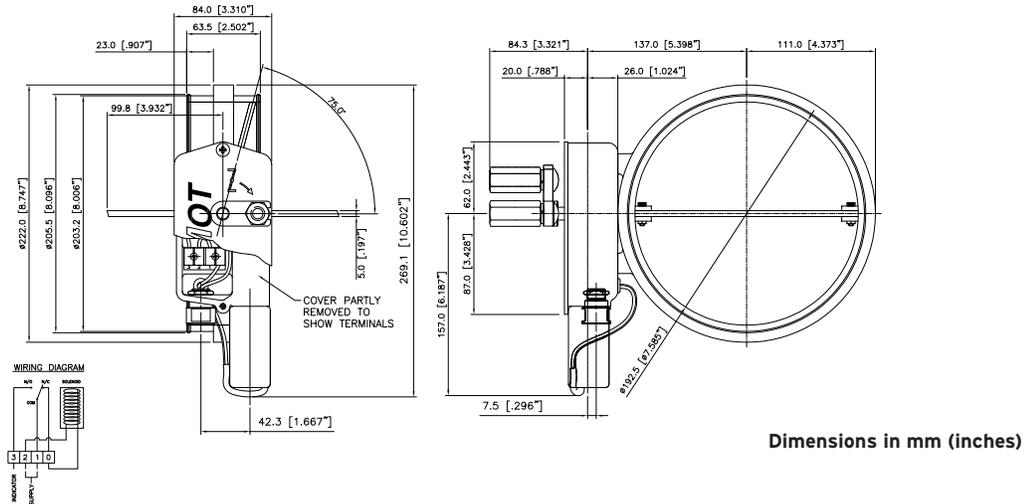
# Intake Air Shut-off Valve - Model 4261D

## Specification

<b>Standard materials</b>	Valve body and disc	Hard anodized aluminum	
	Valve shafts	Stainless steel	
	Seals	Buna N (Nitrile) / Viton	
	Safety control operator	Anodized aluminum	
	Pneumatic cylinders	Aluminum & stainless steel	
	Brackets	Plated steel	
<b>Maximum intake air temperature</b>	Viton seals	149°C	300°F
	Buna N (Nitrile) seals	121°C	200°F
<b>Valve bore size</b>	2.8" valve size	56 mm	2.2 inch
	3.5" valve size	74 mm	2.9 inch
	5.5" valve size	124 mm	4.9 inch
	7.0" valve size	160 mm	6.3 inch
<b>Net weight (inc. operator)</b>	2.8" valve size	1.4 - 1.8 kg	3.1 - 4.0 lbs
	3.5" valve size	1.4 - 1.8 kg	3.1 - 4.0 lbs
	5.5" valve size	1.8 - 2.2 kg	4.0 - 4.9 lbs
	7.0" valve size	2.3 - 2.7 kg	5.0 - 5.9 lbs
<b>Pneumatic cylinder</b>	Minimum actuating pressure	207 kPa	30 psi
	Maximum working pressure	1380 kPa	200 psi
<b>Pneumatic and Manual operator</b>	Manual actuation (pull to release)	67 N	15 lbs
<b>Electric solenoid operators (intermittent duty)</b>	12VDC & 24 VDC	107 W	
	Maximum coil temperature	175°C	350°F
<b>Safety control operator</b>	Adjustable tripping pressure	34 - 275 kPa	5 - 40 psi falling
	Maximum pressure on diaphragm	1380 kPa	170 psi

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## Dimensions



## How to order

Use the tables below to select the unique specification of your Model 4261D Intake Air Shut-off Valve:

Example	4261D	03	A	0	21	-AA	Code Description	
<b>Basic Model Code</b>	4261D						Model	
							<b>mm</b>	<b>inches</b>
<b>Valve Size</b>		02					71.12	2.8
		03					88.9	3.5
		05					139.7	5.5
		07					177.8	7.0
<b>Valve Material</b>			A				Aluminum/Buna N (Nitrile)	
<b>Operators</b>				0			Standard	
<b>Valve Operator</b>								
<b>Valve Operator</b> *Contact factory before using in mobile applications					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.	
<b>Special Requirements</b>						-AA	Standard	
							Please contact AMOT for any special requirements.	

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