

DETEX

PRESSURE DETECTOR



Interceptor®
Smart Pressure Detection

Detex®





The DetEx® pressure detector uses a ceramic material embedded in a fluid at the end of each stainless steel detection probe to measure the pressure within the process being protected.

The detector has state-of-the-art programming for both dynamic detection and static detection. The detector programming includes a “floating zero” feature. The floating zero is designed to differentiate and adjust the activation point based on process fluctuations. This allows for minor pressure spikes within the protected process to have no effect on the pressures required by our system for activation. Each detector includes a process adaptor for easy installation. All DetEx® detectors feature data recording and can generate plots that provide second to second recording of the pressure inside the protected volume.



DetEx® Pressure Detector

The DetEx® pressure detector combined with the floating zero technology provides unsurpassed reliability and reaction for chemical suppression systems.



DetEx® Dual Pressure Detector

The dual headed DetEx® includes two probes that can be programmed for a variety of different voting logics. The DetEx® pressure detector combined with the floating zero technology provides unsurpassed reliability and reaction for chemical suppression systems.

FEATURES

Floating Zero

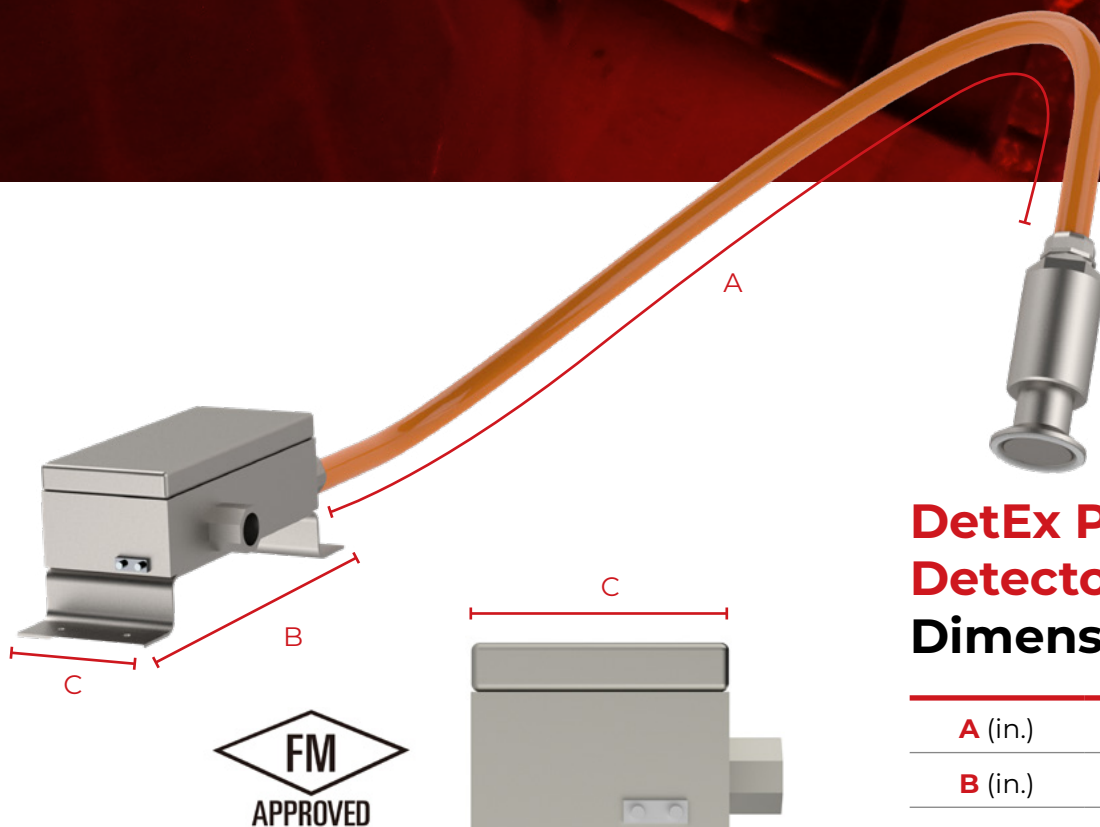
The DetEx® pressure detector programming comes with a “floating zero” feature. The floating zero was designed to distinguish and adjust the activation point based on process fluctuations. When minor spikes occur within the protected vessel, there will be no effect on the pressures required for the system to activate.

Plot Generation

The DetEx pressure detector includes a data recording feature which allows the program to generate plots that provide a second to second recording of the pressure inside the protected vessel. This technology allows the customer to have complete control over their protected volume and any abnormal occurrences.

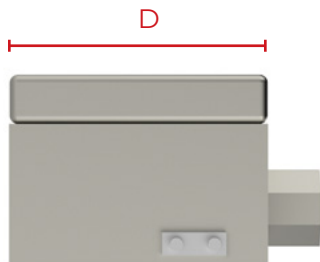
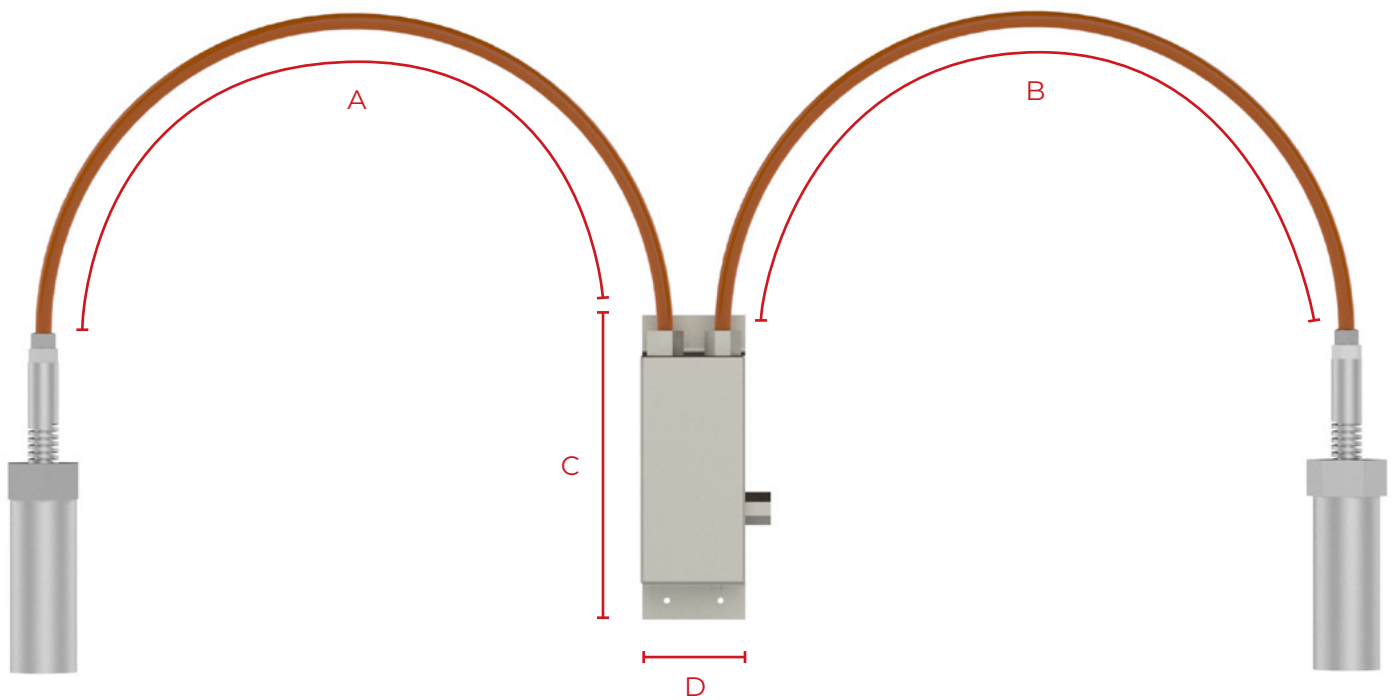
NFPA 69 Compliant

The DetEx pressure detector is a compliant solution in NFPA 69 and is compliant for FM 7-76. The DetEx has an ATEX approval for detection of a variety of different types of dusts



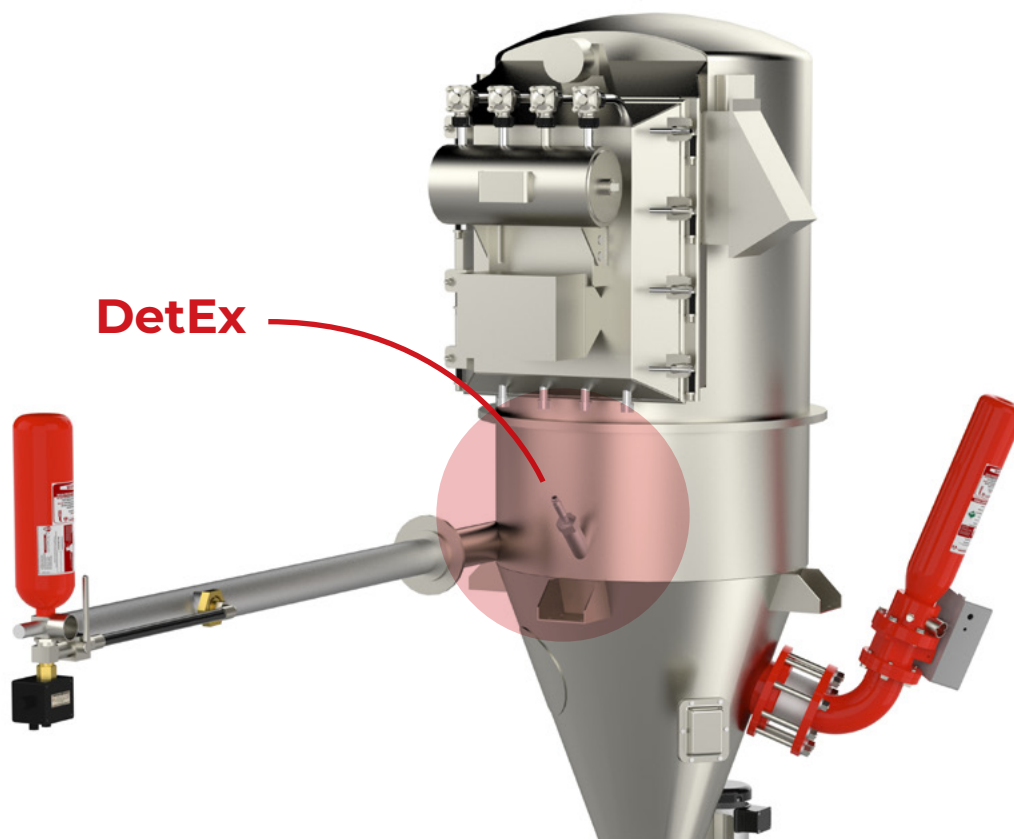
DetEx Pressure Detector Dimension

A (in.)	78.74
B (in.)	8.18
C (in.)	3.15



DetEx® Dual Pressure Detector Dimension

A (in.)	B (in.)	C (in.)	D (in.)
157.48	157.48	8.18	3.15



SPECIFICATIONS



Interceptor®
Smart Pressure Detection

Detex®

	Description
Compliance and Certifications:	NFPA 69 ATEX, EN 14373 and 15089 Certified FM 7-76, FM 7-17
Housing Material:	Stainless Steel Body Stainless Steel Welding Ring
Evaluation unit casing material:	Aluminum
Detection Points:	Single or Dual Headed Probes
Detector Options:	Standard High-Temperature USDA Type F
Pressure range:	-11.6 to 17.4 PSI (-80 to 120 kPa)
Response time:	Programmable
Supply voltage:	18 to 27 VDC (Powered by Controller)
Supply current (Single Head):	Less than 45 mA
Supply current (Dual Head):	Less than 60 mA
Process temperature range:	-40°F to 302°F (-40°C to 150°C)
Ambient temperature range:	-4°F to 185°F (-20°C to 85°C)
Environmental Ingress:	IP 65
Cable length (Single Head):	6.5 feet (2 meters)
Cable length (Dual Head):	13 feet (4 meters)
Detector Type:	Smart – Static and Pressure Rise Over Time (dp/dt)
Dimensions of Detector:	6.17" x Ø1.58" (15.7mm x Ø40 mm)
Dimensions of Process Adaptor:	5.9" x Ø2.04" (14.9 mm x Ø52 mm)
Static Set Point:	Ranges from 0.035 bar to 0.15 bar
Adaptors Offered:	Standard Cooling Adaptor for High Temperatures Water Cooling Adaptor Flexible Adaptor for Vibration-Sensitive Areas USDA Type F Adaptor
Hazard:	Maximum Pred < 2.00 bar (29 PSI)

Contact us for more info!

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CV TECHNOLOGY®
FIRE AND EXPLOSION PROTECTION