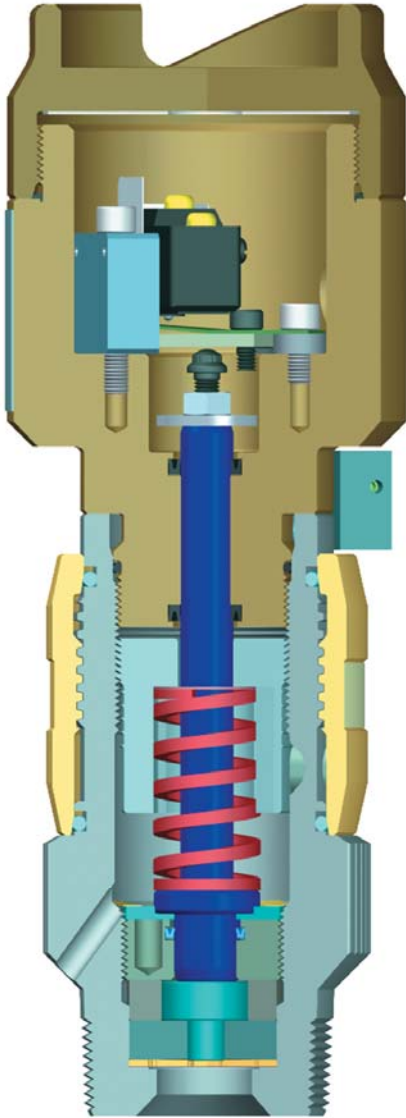




**Argus Pressure Switch**  
For Reliable Pressure Control

# Switch to Argus!

Standard, Simple, and Reliable – The Argus Pressure Switch has set the standard with a design that provides unsurpassed durability and reliability.



Patented



NRTL/C

## Consider these features:

- Microswitch trip mechanism makes field replacement convenient.
- Pressure sensing capsule utilizes an Inconel® diaphragm to withstand sour and corrosive media in oil, gas and steam applications. All parts in contact with the media meet the requirements of NACE MR0175.
- Accurately responsive to working pressures ranging from a minimum of 20 PSI (138 kPa) to a maximum of 5000 PSI (34,470 kPa). All Argus switches are proof-tested to 7500 PSI (51,710 kPa) and will sustain rupture tests up to 20,000 PSI (137,900 kPa).
- Functionally simple, yet versatile—each pressure spring covers a wide range, with only a few variations required to cover the full spectrum of pressure settings.
- Tested over 1,000,000 cycles.
- All models use the same trim to prevent misapplication in the field.
- Rugged design prevents the need for resetting after installation.
- External trip point adjustment—no need to remove the switch housing cap.
- Automatic or manual reset models available.
- Optional vibration lock for severe, shock, or vibrating service.
- Bears the CSA NRTL/C mark, signifying that it is certified for use in Canada and the United States.
- Upon request all models are available with factory-installed wiring harnesses.
- All main components are manufactured from rolled bar and sheet stock.

# Product Specifications

## General Specifications

<i>Type:</i>	Automatic or Manual Reset	<i>Microswitch:</i>	Precision Snap Acting SPDT
<i>Press. Sensing Element:</i>	Diaphragm	<i>Electrical Rating:</i>	½ Amp @ 125 VDC ¼ Amp @ 250 VDC 5 Amps @ 125, 250 or 480 VAC 50/60 Hz
<i>Setting:</i>	External	<i>Proof Pressure:</i>	7500 PSI (51,710 kPa)
<i>Dead Band:</i>	Fixed	<i>Basic Dimensions:</i>	Automatic Reset-3.75" OD x 10.38" Lg Manual Reset-3.75" OD x 11.06" Lg
<i>Std. Process Connection:</i>	2" NPT Male Thread	<i>Approximate Weight:</i>	10 lbs (4.54 kg)
<i>Electrical Connection:</i>	½" NPT Female Thread	<i>Enclosure:</i>	Type 4
<i>Service:</i>	Sour Low Temp.	<i>Classification:</i>	CSA Class I, Div. 1 & 2, Group D Hazardous Locations
<i>Set Point Repeatability:</i>	±1% of Adjustable Range		
<i>Process Oper. Temp.:</i>	-50°F to +600°F (-46°C to +315°C)		
<i>Switch Housing Temp.:</i>	-50°F to +185°F (-46°C to +85°C)		

Argus Model No.		Pressure Range	
Automatic	Manual	(PSI)	(kPa)
AEF-1.0	MBF-1.0	20 – 100	140 – 690
AEF-2.0	MBF-2.0	40 – 200	275 – 1380
AEF-8.0	MBF-8.0	80 – 800	550 – 5515
AEF-14	MBF-14	150 – 1400	1035 – 9650
AEF-20	MBF-20	250 – 2000	1720 – 13,790
AEF-50	MBF-50	1500 – 5000	10,340 – 34,470

## Materials

<i>Process Housing:</i>	ASTM 'A350-LF2' Class 1 -coated to combat corrosion	<i>Pressure Diaphragm:</i>	Inconel®, Grade '718'
<i>Electrical Housing:</i>	ASTM '6061-T6' Aluminum – coated to combat corrosion	<i>Microswitch:</i>	Beryllium Copper Spring
<i>Seals:</i>	Fluorosilicone		

## Design Specifications:

<i>ABSA:</i>	CRN No. OF2161.2134
<i>ASME:</i>	B31.3 (Process Piping)
<i>CSA:</i>	C22.2 No. 30 and C22.2 No.14 (Explosion-Proof Enclosures for Hazardous Locations)
<i>NACE:</i>	MR-01-75 (Standard Material Requirements for Sour Service)
<i>Patents:</i>	Applied for and Granted

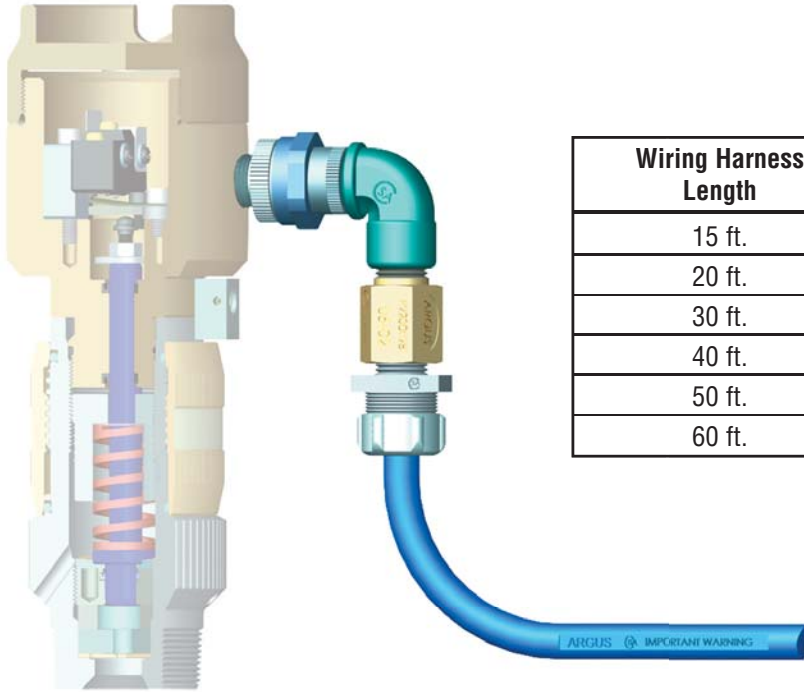
## Available Options:

Access Collar Tamper-Proof Block	Tamper-Proof Cap
Grayloc (GR-20) Process Connection (3720 PSI MOP @ 600°F)	Vibration Lock
Securemax (2SJ20) Process Connection (4025 PSI @ 600°F)	
Wiring Harness (See back page)	

\* Specifications are subject to change without prior notice.

# Argus Wiring Harness

Argus Wiring Harness – c/w Quick Connect 90° Elbow



Wiring Harness Length	3-Wire (14 Gauge) Part No.
15 ft.	WH200006
20 ft.	WH200007
30 ft.	WH200008
40 ft.	WH200009
50 ft.	WH200010
60 ft.	WH200011

Wiring harness may be factory installed on all models upon request



Designed and Manufactured by:  
**Argus Machine Co. Ltd.**

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