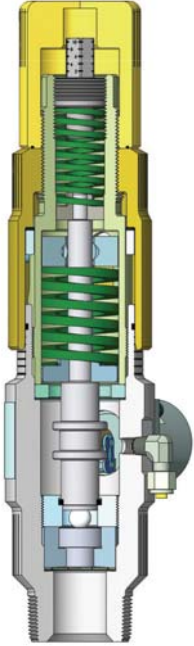




## Argus Hydraulic Pressure Pilot

Argus has taken the next step in providing you with a superior product. By incorporating the sensing capsule design of the Argus Pressure Switch, which has been field proven for a number of years, we now offer you this same technology in the Argus Pressure Pilot.

### Consider these features:



- Simplifies Control Circuits – Designed for use with the Argus Self-Contained Hydraulic Pump Module. Controls a maximum circuit pressure of 1500 PSI (10,342 kPa), utilizing the same hydraulic pressure as the actuator.
- Utilizes an Inconel® pressure sensing capsule (patented) to withstand sour and corrosive media in oil and gas applications from 50°F (-46°C) to plus 250°F (+121°C). All parts in contact with the media meet the requirements of NACE MR0175.
- 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.
- Accurately responsive to working pressures ranging from a minimum of 20 PSI (138 kPa) to a maximum of 5000 PSI (34,473 kPa). All Argus Pilots are proof-tested to ensure seal integrity.
- All models use the same trim to prevent misapplication in the field.
- All main components are manufactured from rolled bar and sheet stock.
- Rugged design prevents the need for resetting after installation.
- Easily adjustable set points. Separate springs for high and low pressure.
- Exceeding set point pressure will not alter the set point calibration.
- No brass or bronze components.

### General Specifications:

Pressure Sensing Element: .....	Patented
Setting: .....	External
Process Connection: .....	2" NPT Male Thread <sup>(1)</sup>
Port Connections: .....	1/8" NPT Female Thread
Service Conditions: .....	Sweet and Sour <sup>(2)</sup>
Instrument Media: .....	Hydraulic Fluid
Temperature Range: .....	-50°F to +250°F (-46°C to +121°C)
Maximum Operating Pressure: .....	5000 PSI (34,473 kPa)
Basic Dimensions: .....	3.38" OD x 15" Lg. (8.59 cm x 38.1 cm)
Approximate Weight: .....	22 lbs (10kg)

<sup>(1)</sup> Other connections may be available on request. Contact factory for your specific application.

<sup>(2)</sup> Argus Pressure Pilots are manufactured to meet the requirements of NACE MR0175.

The Argus Pressure Pilot only requires two instrument lines, and four fittings to connect into a control circuit. Teamed with the Argus Self-Contained Hydraulic Pump Module the field operator now has precise system control and trouble free service.

## Materials:

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Process Housing:.....ASTM 'A350-LF2' – Coated to combat corrosion  
Seals:.....Fluorosilicone , Low Temperature Nitrile, & Highly Saturated Nitrile  
Poppet Block:.....Aluminum, 6061-T6-Coated to combat corrosion  
Pressure Diaphragm:.....Inconel®, Grade '718'

## Design Specifications:

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Designed and manufactured to meet the requirements of:

ASME:.....B31.3 (Process Piping)  
NACE:.....MR0175 (Standard Material Requirements for Sour Service)  
Patents:.....Applied For

## Set Point Ranges:

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Hydraulic Models:	AHPL (Argus Hydraulic Pilot Low Pressure)	AHPH (Argus Hydraulic Pilot High Pressure)
HIGH (Increasing)	130 to 2600 PSI (896 to 17,927 kPa)	400 to 5000 PSI (2758 to 34,474 kPa)
LOW (Decreasing)	20 to 600 PSI (138 to 4137 kPa)	50 to 800 PSI (345 to 5516 kPa)

\*\* Contact Argus to confirm available set points

When ordering your Argus Pressure Pilot, please ensure you have the following information readily available to ensure a proper fit with your application:

## Operating Environment:

- Service Media: Crude Oil, Natural Gas, Other
- Service Conditions: Sweet, Sour, Other
- Maximum Working Pressure:
- Minimum & Maximum Operating & Ambient Temperatures
- Special Requirements: ie. Isolation Valve, Flanged Connections, etc.

\* Contact factory or your local representative for more information.

## System Specifications:

- High and Low Set Point Pressure



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

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