



Level Indication > Zero Emission

Redtail Hawk

This sealed float-activated level gauge features a unique dry-seal design making this unit superior to other sealed level gauging systems. It can be relied upon to measure storage and production tanks, with an 18 year production history and over 8000 units installed globally.

Design

The robust dry-seal design of the Redtail Hawk gauging system utilizes two reels of cable separated by a pressure seal and fixed to a common axle. One reel, on the sealed side of the gauge head, is exposed to the tank process and attaches to the float. The other reel attaches to the external gauge board indicator and moves in unison with the tank-exposed reel. The integral sloped channel to the tank connection allows condensation to drain back into the tank, eliminating freezing risk.

Construction

Cast aluminum and stainless steel construction makes this gauge head ideal for any process conditions, including high temperature, corrosive and sour gas environments. Available with optional stainless steel float.

Flexibility

The Redtail Hawk gauge head can transmit level electronically by attaching a Goshawk Transmitter. Performed before or after the installation of the gauge head on the tank, the addition of a Goshawk Transmitter is simple with stock parts available from Hawkeye Industries Inc. The addition of a Goshawk transmitter indicates allows tank level measurement via both electronic signal from the transmitter and the mechanical gauge board display.

Ordering Information

- 1.) Specify Redtail Hawk Sealed Gauge Head System
- 2.) Specify Optional Goshawk Transmitter
- 3.) Specify Tank Height and Volume
- 4.) Specify Gauge Board Readout (Volume or Linear Height)
- 5.) Specify Level Switches (if required)
- 6.) Specify Float Guide Anchor Plate (required if tank does not have attachment points at bottom for float guide cables)



Above: Redtail Hawk Gauge Head

Below: Redtail with Optional Goshawk Transmitter installed on a tank.



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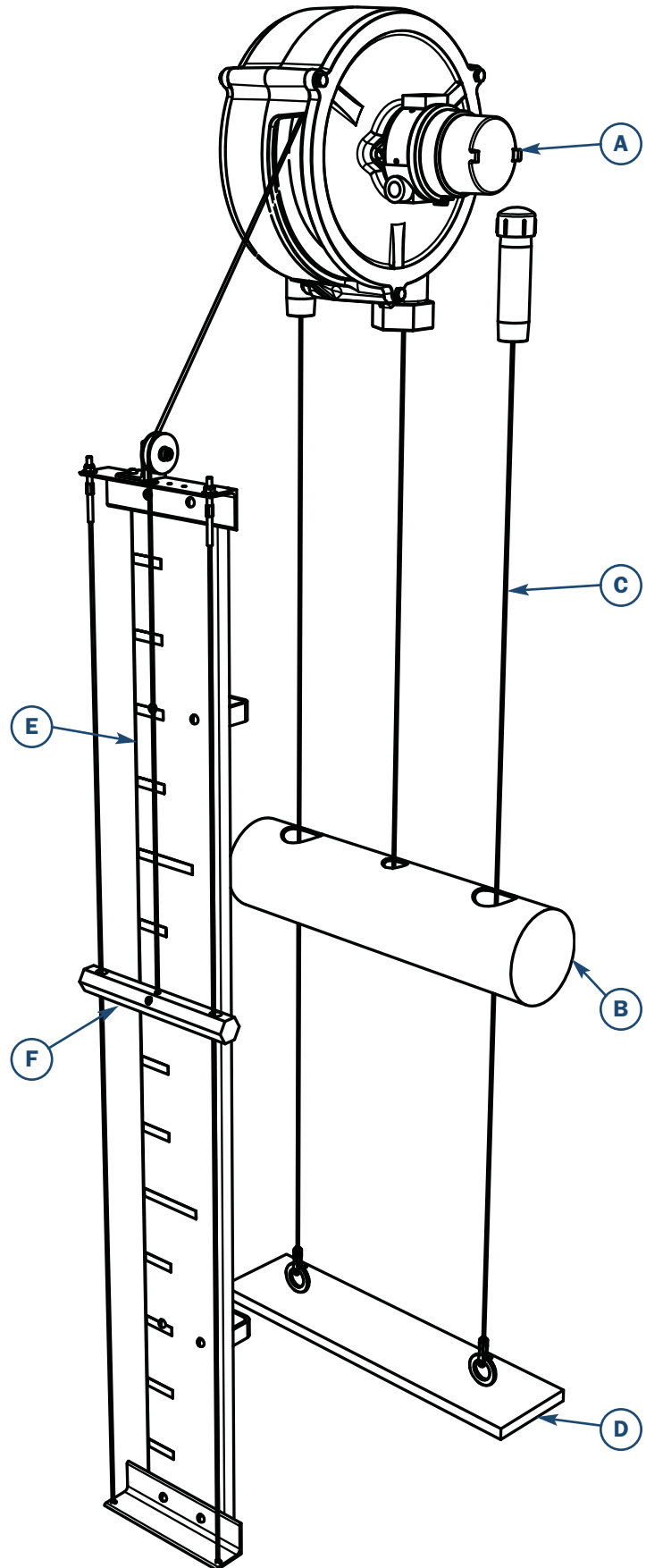
Specifications

Measuring Principle	Float
Maximum Range	20 m [66 ft]
Local Display	Gauge Board & Indicator
Process Connection	2 NPTF
Process Temperature	-40°C to 80°C (w/ PE Float)
Ambient Temperature	-40°C to 70°C
Pressure	0.15 bar [2 psi]

Related Products

Add these items to complete the Redtail Hawk Gauging System.

- ▶ Goshawk Level Transmitter (A)
- ▶ Polyethylene or Stainless Steel Float (B)
- ▶ Float Guide Kit (C)
- ▶ Float Guide Anchor Plate (D)
- ▶ Gauge Board with Decal and Mounting Clips (E)
- ▶ Indicator & Guide Kit (F)
- ▶ Level Switches (not shown)



Goshawk Transmitter

The optional bolt-on Goshawk Level transmitter adds 4-20 mA electronic level indication to the Redtail Hawk Gauge Head. See the Goshawk brochure for more information.

Output	4 - 20 mA
Power Supply	13 - 24 VDC, Loop.
Maximum Height	GH1: 7.6 m [25 ft] GH2: 11.4 m [37 ft]
Process Connection	Bolted via specific gauge cover
Hazardous Location	CSA Class I, Div. 1, Group C&D