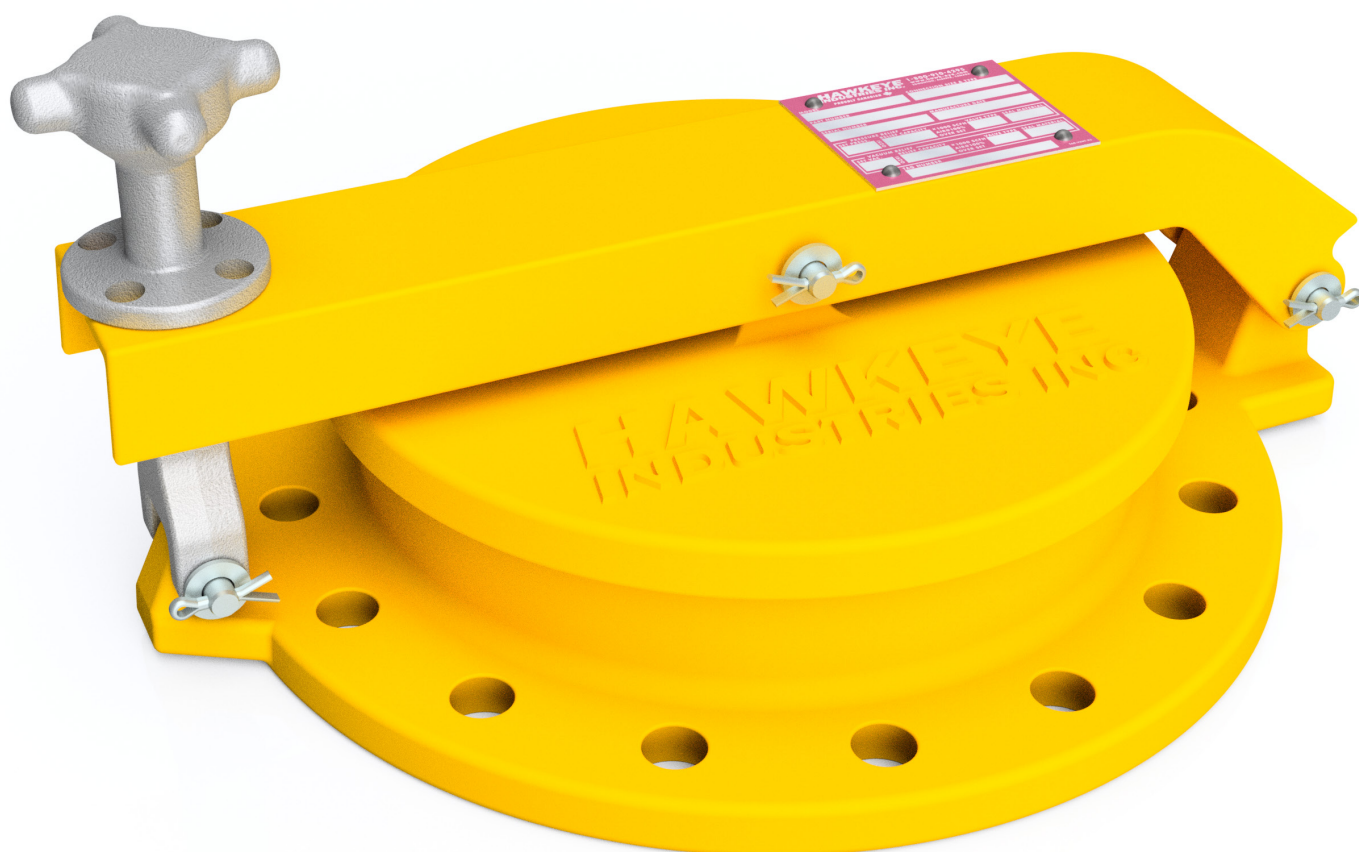


VENTING | GAUGE HATCHES

MODEL 500 LOCKDOWN HATCH



Features

- Full Throat Access.
- 8" API and 8" ANSI 150# connections available.
- Sweet and Sour-Service Options.
- Simple locking design.
- Precision parts, all made in Canada.



FEATURES

Full Throat Access

- The 8" Lockdown Hatch provides a full 8" diameter opening for tank access.

Sweet and Sour Service Options

- Seal options available for both sweet and sour service. Alternate seals available for other chemical service.

Simple Locking Design

- The flip-down locking knob allows for quick access to the tank while providing an integral locking point to restrict entry to the tank.

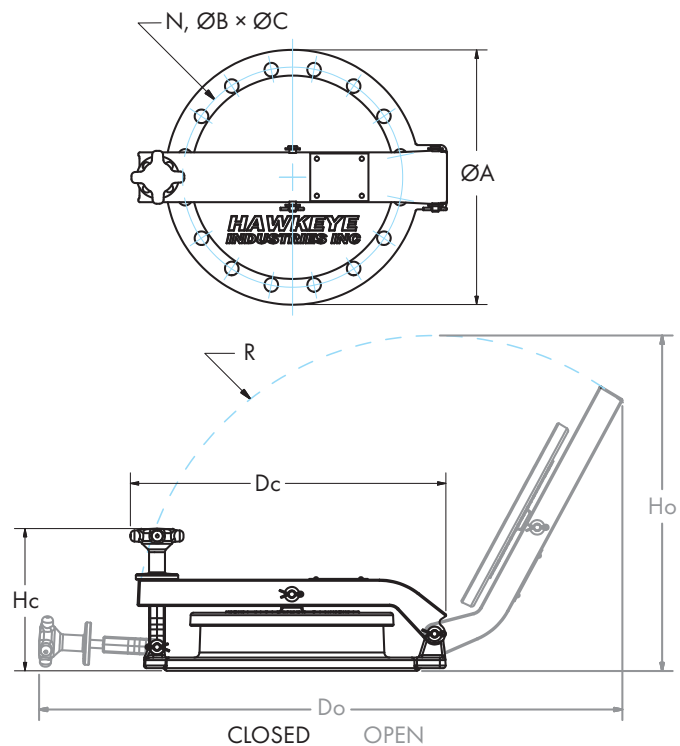
Precision Parts Made in Canada

- Manufactured and assembled from high precision components at the Hawkeye Industries factory in Edmonton, Alberta, Canada.

DIMENSIONS

	Dimension	Value			
		8 API 12F		8 ANSI 150#	
	Connection Size	[in.]	[mm]	[in.]	[mm]
A	Flange Diameter	12	305	13.5	343
N	Number of Bolts	16		8	
B	Bolt Hole Diameter	5/8	16	7/8	22
C	Bolt Circle	10.375	264	11.75	299
Hc	Height - Closed	6.7	170	6.7	170
Ho	Height - Open	16	406	16	406
Dc	Depth - Closed	15	381	15	381
Do	Depth - Open	27.6	701	27.6	701
R	Swing Radius	14.2	361	14.2	361
W	Device Weight ¹	9.6 lb	4.4 kg	9.6 lb	4.4 kg
Bolt Quantity & Size		16×1/2-13UNC		8×3/4-10 UNC	

¹ Weight excludes mounting hardware and packaging. Estimate an additional 5-7 lbs [2.3-3.2 kg] for shipping weight.



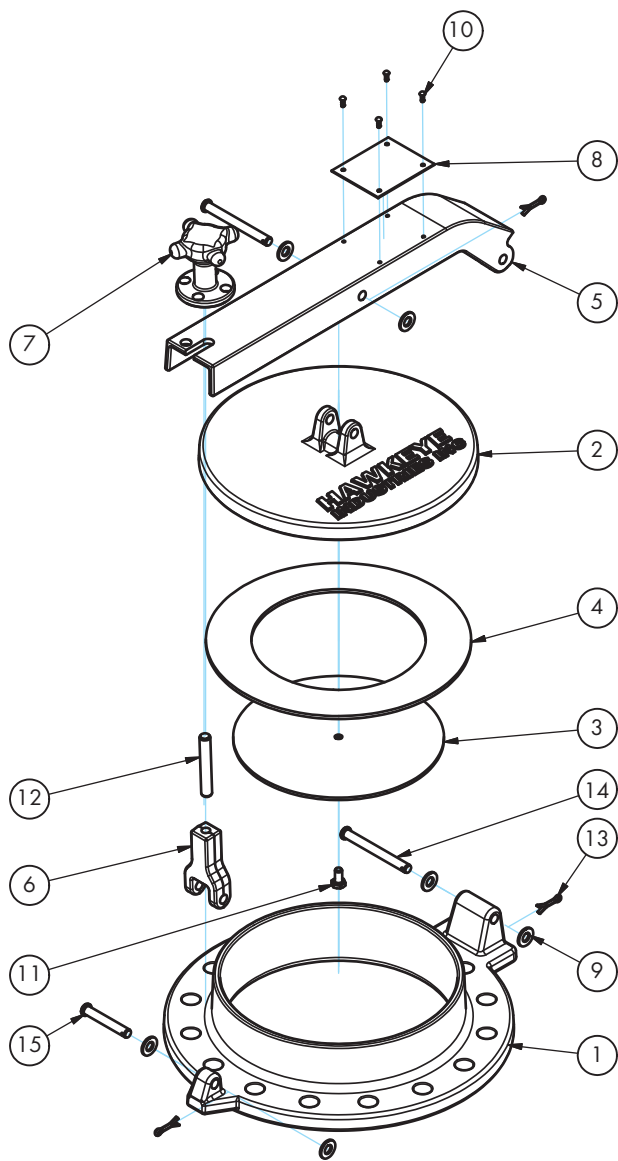
SPECIFICATIONS

Function	Locking Gauge Hatch (Non-Venting)
Temperature Range	- 50°C to 100°C ¹ [-58°F to 212°F] (Sweet, CR) -26°C to 100°C ¹ [-14°F to 212°F] (Sour, FKM, normal) -40°C to 120°C [-40°F to 248°F] (Sour, FKM, short-term extended operating)
Maximum allowable pressure	4 psi [28 kPag]
Tank Connection	8" API (Fig 1 API 12F) or 8" ANSI B16.5 150#

¹ Maximum temperature is upper limit of powder coating operating temperature. Increased operating temperatures may be realized with different coatings, or omitting the coating entirely. Contact your Hawkeye Sales Rep for more information.



PARTS LIST & MATERIALS OF CONSTRUCTION



Item	Part Name	Std. Material	Opt. Material
1	Base ¹	A356 Aluminum	
2	Pallet ¹	A356 Aluminum	
3	Seal Retainer	5052 Aluminum	
4	Seal	CR (Neoprene)	FKM (Viton)
5	Arm ¹	A356 Aluminum	
6	Stem	A356 Aluminum	
7	Knob	A356 Aluminum	
8	Hatch Tag	Aluminum	
9	Washer	Steel, ZP	
10	Tag Rivet	Steel, ZP	
11	Cap Screw, Hex	Steel, ZP	
12	Stud	Steel, ZP	
13	Pin-Cotter	Steel, ZP	
14	Pin-Clevis Long	Steel, ZP	
15	Pin-Clevis Short	Steel, ZP	

¹ Powder Coated Safety Yellow. All other parts bare or as specified.

HATCH MARKING

All completed and tested Lockdown Hatches have a permanent metal tag affixed to the topmost arm indicating: Device Type, Connection Size, Part Number, Serial Number, Date of Manufacture, and Seal Materials.

LEAK TESTING

Model 500 Lockdown hatches are leak tested before shipment.

Items passing the quality control measures are marked with the label at right.



HAWKEYE
INDUSTRIES INC.
PROUDLY CANADIAN

1-800-910-4295
www.hawk-eye.com
EDMONTON, ALBERTA, CANADA

MODEL

CONNECTION SIZE & TYPE

PART NUMBER

SERIAL NUMBER

MANUFACTURE DATE

PRESSURE RELIEF

SET PRESS.

RELIEF CAPACITY

×1000 SCFH

VALVE TYPE

SEAL MATERIAL

OVER SET

VACUUM RELIEF

SET VAC.

RELIEF CAPACITY

×1000 SCFH

VALVE TYPE

SEAL MATERIAL

OVER SET

TAG NUMBER

TAG-VENT-R4

ORDERING INFORMATION

Most Model 500 Lockdown Hatch configurations are near-stock, and we endeavor to ship in 2 - 4 business days ARO. Other configurations are typically build-to-order and available in about two weeks. Configure your desired Model 500 Lockdown Hatch using the part number legend below. Coatings, seals and bolt & gasket materials in bold are standard items and have fastest lead times. For project quantities, or configurations not listed here, contact your Hawkeye sales rep for more information.

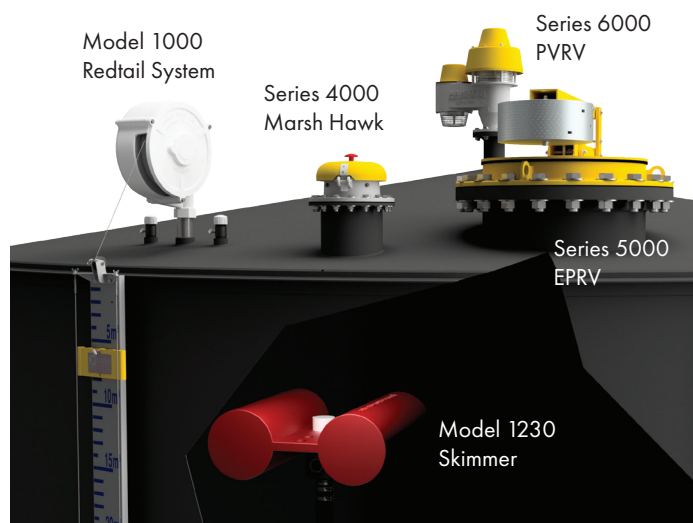
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Bolt kits include, Hex Cap Screws, Nuts, Washers, and are sized per the relevant standard and have lengths to accommodate a standard thickness mounting flange and gasket. Contact us for non-standard lengths.

Examples
Model 500 Lock Down Hatch, 8" API 12B/F, Sweet Service w/ Gr 5 Bolt Kit and Neoprene Tank Gasket LDHA-5080-000 & VCBK-0805-0 + VCGA-0800-0
Model 500 Lock Down Hatch, 8" ANSI 150#, Sour Service w/ Gr 8 Bolt Kit and Thick Viton Tank Gasket LDHA-5085-100 & VCBK-0808-0 + VCGA-0801-1
Model 500 Lock Down Hatch, A" API 12B/F, Sour Service, Severe Sour Coating w/ Stainless Bolt Kit and Viton Tank Gasket LDH-5080-110 & VCBK-080G-0 + VCGA-0801-0

Tank gaskets are flat-face and sized to match the relevant standard. 1/8" thick gaskets stock in most materials, 1/4" thick gaskets stocked in FKM (Viton).

RELATED PRODUCTS



The Model 500 Lockdown Hatch is just one Hawkeye's Tankage Product lines, which also include:

Vapor Control

Series 4000 Marsh Hawk TRV

Series 5000 EPRV

Series 6000 PVRV

Mechanical Level Indication

Model 1000 Redtail Dry Seal Zero Emission Level Gauging Systems

Model 1230 Floating Skimmer



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