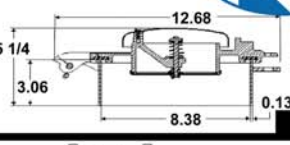
HA 8" full opening pressure/vacuum tank hatch for bulk storage tanks

Applications: Silos, grain elevators, baghous for cement, food products, grain, industrial products

Features: Full opening cover can be used for sampling or inspection; available with bolted or weld flange base; dependable design is easy to maintain; relieves pressure at 1.5 oz./sq. in. and vacuum at .5 oz./sq. in. with 46.4 sq. in. free area of pressure relief and 15.9 sq. in. free area of vacuum relief

Base	Cover	Dome	Pressure Option
1 Steel, weld, straight **2** Cast iron, flanged, sloped	**1** Plated Steel	**1** Plated	**0** None

Avg. ship weight: 14 lbs (flanged base) 19 lbs (weld ring)



HA1110 ✪

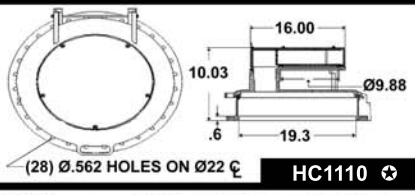
HC 20" full opening pressure/vacuum tank hatch for bulk storage tanks

Applications: Silos, grain elevators, baghous for cement, food products, grain, industrial products

Features: Bolted flange base; full opening, dependable design, easy to maintain; 291 sq. in. free area of pressure relief and 78.5 sq. in. free area of vacuum relief; not for use on any hazardous materials – product can be emitted when relieving pressure

Base	Cover
1 Cast Aluminum	**1** Cast Aluminum

Avg. ship weight: HC1120 40 lbs • HC1110 60 lbs • HC1111 100 lbs **Overall height:** 4 ½" approximate
Vacuum Setting: 0.5 oz./sq. in. on all models



HC1110 ✪

HH 24" pressure/vacuum tank hatch for bulk storage tanks

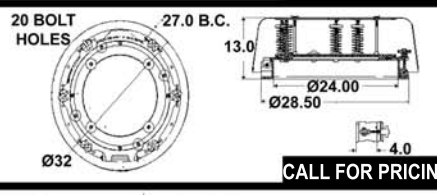
Applications: Silos, grain elevators, baghous for cement, food products, grain, industrial products

Features: All-aluminum contact parts eliminate corrosion; no internal hardware to contaminate product; weather hood provides protection from the elements; palm nuts allow for quick, easy opening; large 24" opening provides higher venting capacity and improved access into the tank

Pressure Setting	Vacuum Setting	Gasket
Settings: 02 through 29 oz. (first two digits indicate pressure setting)	Setting: 0.5 through 9 oz. (second two digits indicate vacuum setting)	**1** White Food Grade (FDA approved)

Part Number Example: HH02051 = 2 oz. pressure, 0.5 oz. vacuum

Warning: Cover should be inspected at least once each month for proper operation and proper functioning hardware. The weather hood should be inspected for damage. Replace any missing or damaged items. **Avg. ship weight:** 81 lbs **Overall height:** 13" approximate



CALL FOR PRICING

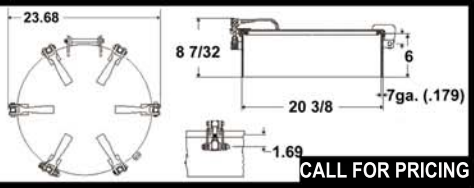
MJ 20" full opening pressure manhole for cargo tank/industrial/bulk storage tanks — up to 18PSI

Applications: General purpose access door for non-code applications ≤ 18PSI

Features: 6 quick-opening adjustable cam levers; safety catch helps prevent accidents when opening against residual pressure; locking tabs enable contents to be secured with tamper-proof seal

- **MJ1110 — Carbon Steel Cover; Plated Steel Hardware; Carbon Steel Weld Ring; Buna Gasket.**

Avg. ship weight: 55 lbs (steel) **Overall height:** 8 ¾" approximate



CALL FOR PRICING

LM 20" full opening pressure manhole for rail car/cargo tank/ industrial/intermodal/ bulk containers (IBC) — up to 30 PSI

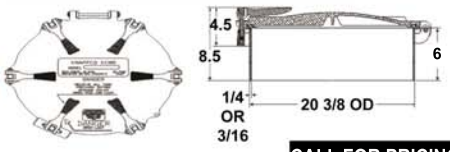
Applications: Salt, cement, dry food products, sand chemicals, crude oil and other general application: with a working pressure ≤ 30PSI

Features: 6 quick-opening adjustable cam levers; open rib cover design provides strength without product hangup; meets MC307 and DOT-407(HM183) requirements

- **LM1151—Aluminum Cover; Plated Steel Hardware; Nylon Wear Plates Aluminum Weld Ring; White Neo Gasket.**

Additional weld ring and gasket material are available on request.

Avg. ship weight: 55 lbs (steel) **Overall height:** 8 ¾" approximate

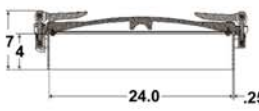


CALL FOR PRICING

KZ 24" Full opening pressure manway / quick access inspection door - up to 30 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Aluminum / Plated	0 None	1 Buna N	0 No Vent	1358
2 Aluminum / Steel	1 4" x 3/16" Steel	2 White Neoprene		4165
	2 4" x 3/16" SS304	V Viton*		3643
		S Silicone*		2190

Applications: Cement, chemical, crude oil, dry food products, liquids, salt, sand and other general applications with a working pressure ≤ 30 PSI
Locations: Cargo tanks, storage tanks, rail cars and more
Features: 9 quick-opening adjustable cam levers; safety catch helps prevent accidents when opening against residual pressure; locking tabs enable contents to be secured with tamper-proof seal
Avg ship weight: 75 lbs **Overall Height:** 6 1/4" approximate
** Note: The viton and silicone gasket must be ordered as an extra gasket and not as part of a complete unit*

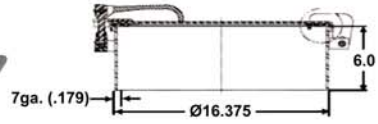


CALL FOR PRICING

LG 16" Full opening pressure manway / quick access inspection door – up to 12 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacemer Gasket
1 Steel / Plated	0 None	1 Buna N	0 No Vent	4934
2 SS304 / Plated	1 6" x 7 Ga. Steel	2 Red Silicone		5221
4 SS304 / SS304	2 6" x 7 Ga. SS304	3 White Neoprene		5354

Applications: General purpose access door for non-code applications ≤ 12 PSI
Locations: Conveyors, elevator legs, hoppers, silos, spouting, storage tanks and more
Features: 4 quick-opening adjustable cam levers; safety catch helps prevent accidents when opening against residual pressure; locking tabs enable contents to be secured with tamper-proof seal
Avg ship weight: 40 lbs **Overall Height:** 8 1/4" approximate



CALL FOR PRICING

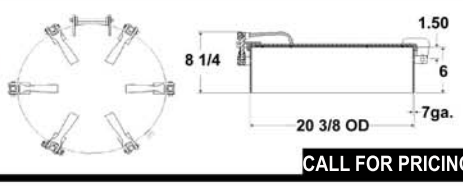
KS 20" full opening pressure manhole for cargo tank/industrial/bulk storage tanks — up to 12PSI

Applications: General purpose access door for non-code applications ≤ 12PSI

Features: 6 quick-opening adjustable cam levers; safety catch helps prevent accidents when opening against residual pressure; locking tabs enable contents to be secured with tamper-proof seal

- **KS1110 — Carbon Steel Cover; Plated Steel Hardware; Carbon Steel Weld Ring; Buna Gasket.**
- **KS4210 — SS304 Cover; SS304 Hardware; SS304 Weld Ring; Buna Gasket.**

Avg. ship weight: 52 lbs **Overall height:** 8 ¼" approximate



CALL FOR PRICING

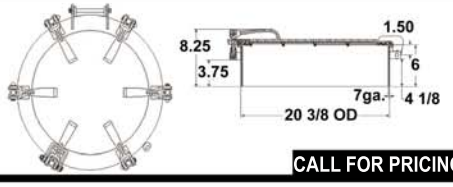
MZ 20" full opening pressure manhole for cargo tank/industrial — up to 25PSI

Applications: Hot oil, asphalt, general purpose access door with working pressure ≤ 25PSI

Features: 6 quick-opening adjustable cam levers; safety catch helps prevent accidents when opening against residual pressure; locking tabs enable contents to be secured with tamper-proof seal

- **MZ1110 – Carbon Steel Cover; Plated Steel Hardware; Carbon Steel Weld Ring; Buna Gasket.**

Avg. ship weight: 75 lbs **Overall height:** 8 ¾" approximate

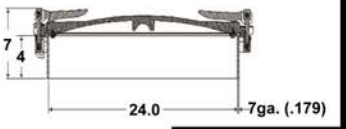


CALL FOR PRICING

KY 24" Full opening pressure manway/ quick access inspection door - up to 18 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Aluminum / Plated	0 None	1 Buna N	0 No Vent	1358
2 Aluminum / Steel	1 4" x 3/16" Steel	2 White Neoprene		4165

Applications: Cement, chemical, crude oil, dry food products, liquids, salt, sand and other general applications with a working pressure ≤ 18 PSI
Locations: Cargo tanks, conveyors, elevator legs, intermodal bulk containers (IBC), rail cars and more
Features: Nine (9) quick-opening cam levers; safety catch helps prevent accidents when opening against residual pressure; locking tabs enable contents to be secured with tamper-proof seal
Avg ship weight: 70 lbs **Overall Height:** 6 1/4" approximate



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