KNAPPCO

PRESSURE APPLICATIONS

MN 8" Full opening pressure fill cover / quick access inspection door – up to 25 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Aluminum / Aluminum and Plated	0 None 1 Aluminum 2 Steel	1 Buna N	0 No Vent	4582

Applications: General purpose access door for non-code applications ≤ 25 PSI
Locations: Conveyors, elevator legs, hoppers, silos, spouting, storage tanks and more
Features: Single strongback and positive locking cam lever makes it easy to open and close
Avg ship weight: 9 lbs **Overall Height:** 5 1/2" approximate

AT 18 7/8" hot products manway for ≤ 14.7 psi working pressure

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Steel / Plated	0 None 1 11" x 1/4" Steel 2 9" x 1/4" Aluminum	1 Braided Teflon	0 No Vent	1507

Applications: Hot products, asphalt, hot oil
Features: Single wing-nut assembly gives the cover a tight, secure seal; high-temperature braided Teflon gasket; meets HM198 for hot products
Retrofit kits available for: Fruehauf 18 7/8" asphalt covers
Philadelphia 18" asphalt covers
Knappco 20" asphalt covers
Avg ship weight: 82 lbs **Overall Height:** 17 1/16" approximate

MJ 20" Full opening pressure manway / quick access inspection door – up to 18 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Steel/Plated 2 SS304 / Plated 3 SS316 / Plated 4 SS304 / SS304 5 SS316 / SS304	0 None 1 6" x 3/16" Steel 2 6" x 3/16" SS304 3 6" x 3/16" SS316	1 Buna N 2 White Neoprene	0 No Vent	4683 4684

Applications: General purpose access door for non-code applications ≤ 18 PSI
Locations: Conveyors, elevator legs, hoppers, silos, spouting, storage tanks and more
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
Avg ship weight: 52 lbs **Overall Height:** 8 1/4" approximate

LM 20" 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 2 Aluminum / SS304	0 None 1 6" x 1/4" Aluminum 2 6" x 3/16" Steel 3 6" x 3/16" SS304	1 Buna N 2 White Neoprene 3 Viton 4 Teflon Envelope	0 No Vent	3395 3523 4244 4875

Applications: Cement, chemical, crude oil, dry food products, salt, sand and other general applications with a working pressure ≤ 30 PSI
Locations: Cargo tanks, conveyors, elevator legs, intermodal bulk containers (IBC), rail cars and more
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 meets MC307 and DOT-407 (HM183) requirements
Avg ship weight: 55 lbs - Steel weld ring 45 lbs - Aluminum weld ring
Overall Height: 8 1/4" approximate

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 2 Aluminum / Steel	0 None 1 4" x 3/16" Steel 2 4" x 3/16" SS304	1 Buna N 2 White Neoprene V Viton* S Silicone*	0 No Vent	1358 4165 3643 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*

PRESSURE APPLICATIONS

LJ 10" pressure-relieving fill cover — relieves pressure from 3 PSI to 5 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 SS304 / SS304 2 Steel / Steel 3 Aluminum / Plated	0 None 1 3" x 10 Ga. SS304 2 3" x 10 Ga. Steel 3 3" x 0.190" Aluminum	1 Buna N 2 Viton 3 Teflon Envelope with Neoprene 4 White Neoprene	0 No Vent 1 NV2001 3 VE0008	3429 4949 3956 4868

Applications: Cleanout, Fill Opening, Inspection Cover, Sampling Port
Features: Spring-loaded fill cap provides positive seal under normal operation; eliminates flutter during emergency pressure release; additional venting capabilities; rated emergency venting capacity 191,268 CFH at 5 PSI
Avg ship weight: 16 lbs **Overall Height:** 4 1/2" approximate

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

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Steel / Plated 2 SS304 / Plated 4 SS304 / SS304	0 None 1 6" x 7 Ga. Steel 2 6" x 7 Ga. SS304	1 Buna N 2 Fed Silicone 3 White Neoprene 4 Teflon 5 EPDM 6 Hi-Temp	0 No Vent	4934 5201 5354 2567 5648 5875

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

KS 20" Full opening pressure manway / quick access inspection door – up to 12 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Steel / Steel 2 SS304 / Plated 3 SS316 / Plated 4 SS304 / SS304 5 SS316 / SS304	0 None 1 6" x 3/16" Steel 2 6" x 3/16" SS304 3 6" x 3/16" SS316 5 12" x 3/16" Steel	1 Buna N 2 White Neoprene 3 Hi-Temp 4 Viton	0 No Vent	1026 1432 2726 2573

Applications: General purpose access door for non-code applications ≤ 12 PSI
Locations: Conveyors, elevator legs, hoppers, silos, spouting, storage tanks and more
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
Avg ship weight: 52 lbs **Overall Height:** 6" approximate

MZ 20" Full opening pressure manway/quick access inspection door - up to 25 PSI

Cover Material Contact / External	Weld Ring	Gasket	Vent	Replacement Gasket
1 Steel / Plated	0 None 1 6" x 3/16" Steel	1 Buna N 2 Teflon Braided	0 No Vent	2244 5761

Applications: Asphalt, hot oil, general purpose access door for non-code applications ≤ 25 PSI
Locations: Conveyors, elevator legs, hoppers, silos, spouting, storage tanks and more
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
Avg ship weight: 75 lbs **Overall Height:** 8 3/4" approximate

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 2 Aluminum / Steel	0 None 1 4" x 3/16" Steel 2 4" x 3/16" Aluminum 3 4" x 3/16" SS304 4 4" x 3/16" SS316	1 Buna N 2 White Neoprene V Viton* S Silicone*	0 No Vent	1358 4165 3643 2190

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
** Note: The viton and silicone gasket must be ordered as an extra gasket and not as part of a complete unit*

PRESSURE / VACUUM RELIEVING TANK HATCH

HA 6" full opening pressure / vacuum relieving tank hatch

Base Contact / External	Cover	Dome	Pressure Option
1 Steel, Weld, Straight 2 Cast Iron, Flanged, Sloped	1 Plated Steel	1 Plated	0 None

Replacement Gasket	Dome	Cover
Black Neoprene	1663	1676
White Neoprene	6769	6770

Relieves pressure at 1.5 oz / sq inch and vacuum at 0.5 oz/sq inch
Applications: Baghouse, food products, grain elevators, industrial products, silos
Features: Full opening cover can be used for sampling or inspection; available with bolt-on flanged base or straight weld-on base; dependable design is easy to maintain pressure relief of 46.4 sq inch free area and vacuum relief of 15.9 sq inch free area
Avg ship weight: 14 lbs (flanged base) / 19 lbs (weld ring)
Overall height: 5 1/4 weld base / 4 5/8" flanged base

HC 20" full opening pressure / vacuum relieving tank hatch

Base	Cover	Dome	Pressure Option
1 Cast Aluminum	1 Cast Aluminum	1 plated steel dome 2 cast aluminum dome (only available with 1oz setting)	0 1 oz aluminum dome 0 2 oz steel dome 1 4 oz steel dome 2 5 oz steel dome 3 6 oz steel dome 4 8 oz steel dome

Replacement Gasket	Dome	Cover
Black Neoprene	1164	1165
White Neoprene	1160	1163

Applications: Baghouse, food products, grain elevators, industrial products, silos
Features: Full opening cover can be used for sampling or inspection; available with bolt-on flange only. Pressure relief of 291 sq inch free area and vacuum relief of 78.5 sq in free area. Not for use with hazardous materials; product can be emitted when relieving pressure
Overall height: 10 1/4" approximate
Avg ship weight: HC1120 = 40 lbs
HC1110 = 60 lbs
HC1111 = 100 lbs
Vacuum Setting (not adjustable): 0.5 oz / sq in. all models

HH 24" full opening pressure / vacuum relieving tank hatch

Pressure Settings	Vacuum Settings	Gasket
2.0 oz through 29.0 oz (increments of 1.0 oz)	0.5 oz through 9.0 oz (increments of 1.0 after the 1.0 oz setting 5oz vacuum setting is 0.5 oz	White Food Grade (FDA Approved)

Applications: Baghouse, food products, grain elevators, industrial products, silos
Features: All-aluminum contact parts eliminate corrosion; no internal hardware to contaminate products; weather hood provides protection from elements; palm nuts allow for quick, easy opening; large 24" opening provides higher venting capacity and improved access into equipment.
Overall height: 13" approximate **Avg ship weight:** 81 lbs
Warning: Cover should be inspected at least once each month to ensure proper operation and properly functioning hardware.The weather hood should be inspected for damage. Replace missing or damaged items.

☆ CALL PREMIER ☆ COMPONENTS FOR ALL YOUR ACCESS DOOR AND TANK HATCH NEEDS.

SOLUTIONS FOR COMMON NON-PRESSURE & PRESSURE APPLICATIONS

ACCESS DOOR
BIN ENTRY
CLEANOUT PORTS
FILL OPENINGS
INSPECTION COVERS
MANHOLES
SAMPLING PORTS

COMMON INSTALLATION LOCATIONS

BAG HOUSES
CONVEYORS
ELEVATOR LEGS
FLOOR OPENINGS
GARNERS
HOPPERS
MIXERS
SCALES
SILOS
SPOUTING
TANKS