

Attention Regulatory Manager

49 CFR §178.2(c)(1)(ii) NOTICE

Per 49 CFR §178.2(c)(1)(ii), the below listed closures and gaskets were used to performance qualify Hoover Materials Handling Group, Inc.'s (HMHGI) Intermediate Bulk Containers (IBCs). It is important for the IBC user to know what closures have been installed by HMHGI.

Metal 31A and 31B Closure Descriptions - per below or print

bung: 2" 304 stainless steel, carbon steel or aluminum with EPDM, Teflon[®], Viton[®], silicone or Buna gasket.

drum cover: 22" 304, 316 stainless, carbon steel or aluminum with 22" plated steel bolted clamp ring with EPDM, Viton[®], silicone, Buna, neoprene or Teflon[®] gasket: with 3" 316 stainless steel, aluminum or bronze fusible vent with EPDM, Viton[®], Buna, silicone, Teflon[®] coated or Teflon^{®**} gasket.

bottom discharge: 2" 316 stainless steel or bronze ball valve, Teflon[®] seats & stem bushings and 2" PP or steel plug with EPDM, Viton[®] or Teflon[®] gasket.

2" and 3" threaded fittings with non-Teflon[®] gaskets: install until solid gasket contact is achieved then tighten an additional 3/8 turn.

2" and 3" threaded fittings with Teflon[®] gaskets: install until solid gasket contact is achieved then tighten an additional 1/8 turn (1-1/4 inches travel).

22" drum rings with multi-seal gasket: 1) Seat the ring by "striking" it with blows around the circumference of the ring with a mallet. 2) Start the 5/8" bolt by hand and tighten until hand tight. 3) Re-strike the ring again as in 1) above. 4) Using a wrench, tighten the 5/8" bolt again, repeating 3) until the bolt tightening resistance does not change. 5) Note: the ring ends should be approximately 3/8" apart and must not meet.

Blowmolded 31HA1, 31HG1 and 31HH1 Closure Descriptions - per below or print

lid: 6" black, white or natural HDPE with Viton[®], Teflon[®], Santoprene[®], Buna-n or EPDM gasket and 2" natural LDPE emergency plug with EPDM, Viton[®] or Teflon[®] gasket.

bottom discharge: 2" HDPE butterfly valve (Santoprene[®] gasket, PP with glass & EPDM o-rings) with 2" HDPE threaded cap and EPDM gasket) or 2" ball valve (PP with glass & carbon black, EPDM, Viton[®] or Teflon[®] o-rings, Teflon[®] seats and stem bushing) and with gray HDPE threaded cap & EPDM gasket.

torque to seal lids: install the lid until solid gasket contact is achieved then tighten an additional 1/4 turn.

torque to seal screw type collar of bottom discharge onto bottle's snout: install the discharge until solid gasket contact is achieved then tighten an additional 1/8 turn

torque to seal self-sealing bung plugs: install until solid sealing area contact is achieved then tighten an additional 1/8 turn.

torque to seal gasketed bung plugs: install until solid gasket contact is achieved then tighten an additional 3/8 turn.

Rotationally Molded 31H2 and 31HA1 Closure Descriptions - per below or print

lid: 6" black or white HDPE with EPDM, Viton® or Teflon® gasket, 2" PP emergency plug with EPDM, Viton® or Teflon® gasket; 2" vent (HDPE, 316 stainless steel, Hastelloy C with EPDM, Viton® or Teflon® gasket/flapper).

bottom discharge: 2" coupler/valve/adapter combination (PP with glass and carbon black*; EPDM, Viton® or Teflon® o-rings, Teflon® seats and stem bushings), 2" dust cap (PP with glass and carbon black* and 2" EPDM or Viton® or Teflon® gasket) and 2" snout gasket (EPDM, Viton® or Teflon®): 2" hose barb (PP with glass and carbon black*), 2" ball valve (PP with glass and carbon black*, EPDM, Viton® or Teflon® o-rings, Teflon® seats and stem bushings), 2" male adapter (PP with glass and carbon black*), 2" cap (PP with glass and carbon black* with EPDM, Viton®, Buna or Teflon® gasket).

torque to seal lids: install the lid until solid gasket contact is achieved then tighten an additional 1/8 turn (+1/8 / -1/16 turn) until tight.

torque to seal screw type collar of bottom discharge onto bottle's snout: install the discharge until solid gasket contact is achieved then tighten an additional 1/8 turn

torque to seal self-sealing bung plugs: install the bung plug until solid sealing area contact is achieved then tighten an additional 1/8 turn (1-1/8 inches travel).

torque to seal gasketed bung plugs: install the bung plug until solid gasket contact is achieved then tighten an additional 3/8 turn.

* = Some may be without carbon black.

** = Solid Teflon® gasket only available in a Liquitote® with bolted lid assembly.

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