

Title (en)
COLD BOX FOR CRYOGENIC DISTILLING PLANT

Title (de)
KÜHLBOX FÜR KRYOGENISCHE REKTIFIKATIONSANLAGE

Title (fr)
BOITE FROIDE POUR UNITE DE DISTILLATION CRYOGENIQUE

Publication
EP 1034409 B1 20030205 (FR)

Application
EP 98954540 A 19981109

Priority
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• FR 9714378 A 19971117

Abstract (en)
[origin: FR2771160A1] A cryogenic distillation unit has a column and heat exchanger combination (4 - 8) located within a double-walled chamber (2) provided with inter-wall solid insulation (17, 18). Preferred Unit: A solid bulk insulation (18) is located around and above the column and heat exchanger combination (4 - 8) and solid insulation (18) is positioned between the bottoms of the two walls (9, 13) to support the interior wall (9). The distillation column (4) and the heat exchanger (5) are supported by feet (19) which pass through the bottom (10) of the interior wall (9) and rest on the bottom (14) of the exterior wall (13). A shaft (24) passes through the double wall (9, 13) to provide access to auxiliary equipment of the distillation apparatus (4 - 8). The heat exchanger and any other equipment, operating at a temperature different from that of the distillation column, are wrapped with an insulating foil or strip. A dry inert gas is introduced into the chamber (2) and/or into the inter-wall space. Valves (29) are provided for limiting the internal pressure.

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IPC 8 full level
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