

Title (en)  
Helium gas compressing apparatus.

Title (de)  
Helium-Gas-Kompressionsgerät.

Title (fr)  
Dispositif de compression de gaz d'hélium.

Publication  
**EP 0436084 A1 19910710 (EN)**

Application  
**EP 90120714 A 19901029**

Priority  
• JP 7219190 U 19900705  
• JP 7219290 U 19900705  
• JP 29525689 A 19891114

Abstract (en)  
The helium gas compressing apparatus of this invention is constructed in such a manner that the oil separator (5) in the high-pressure gas passage (4) is connected to the low-pressure gas passage (2); that the oil return path having the first (30) and second (31) branch paths is provided between the high- and low-pressure gas passages; that the capillary tube (6) is installed in one of the two branch paths; and that the adjust valve (32) is installed in the other branch path to adjust the pressure difference between the supply gas in the high-pressure gas passage (4) and the return gas in the low-pressure gas passage (2). Because of this construction, the adjust valve (32) can be manipulated from outside to make fine adjustments on the pressure difference or change it to a desired value with ease even during operation of the apparatus, thereby adjusting the refrigerating capability of the helium refrigerating machine and the power consumption of the helium gas compressing apparatus.

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Citation (search report)  
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