

Fig. 4 Dilution cryostat for high pressure experiments

1. He⁴ evaporator
2. Heat exchanger
3. Condenser
4. Impedance
5. Wood's metal seal
6. Vacuum jacket
7. Still
8. Shield jacket
9. Heat exchanger
10. Mixing chamber
11. Thermometer
12. High pressure cell

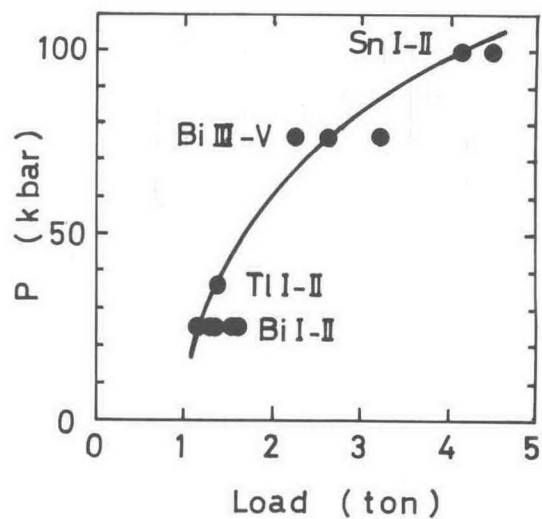


Fig. 5 Pressure-load calibration curve at room temperature (4φ Bridgman anvil)

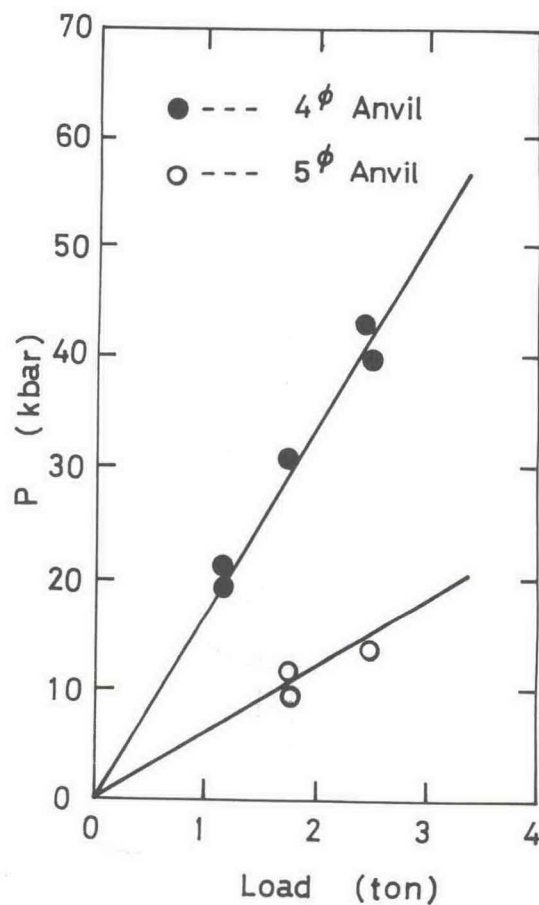


Fig. 6 Pressure-load calibration curve at low temperature

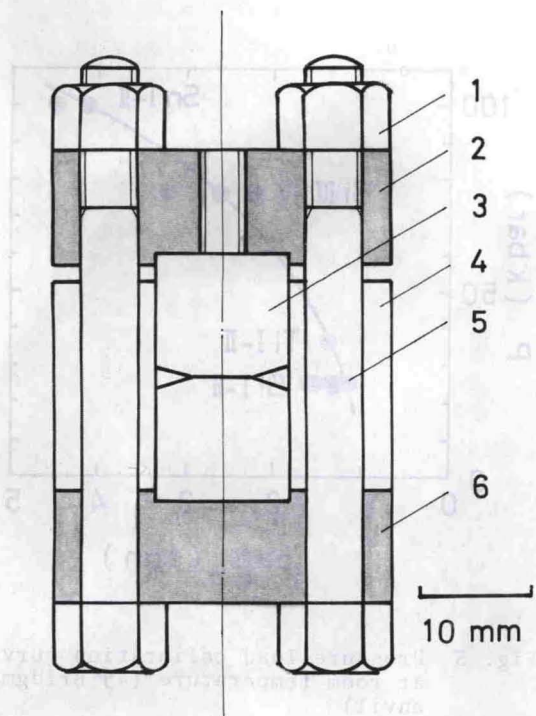


Fig. 1 D-I type high pressure clamp cell
This cell is used for a.d.c.
electrical resistance measurement

1. Fixing nut
2. Upper flange
3. Tungsten carbide anvil
4. Anvil guide
5. Fixing bolt
6. Lower flange

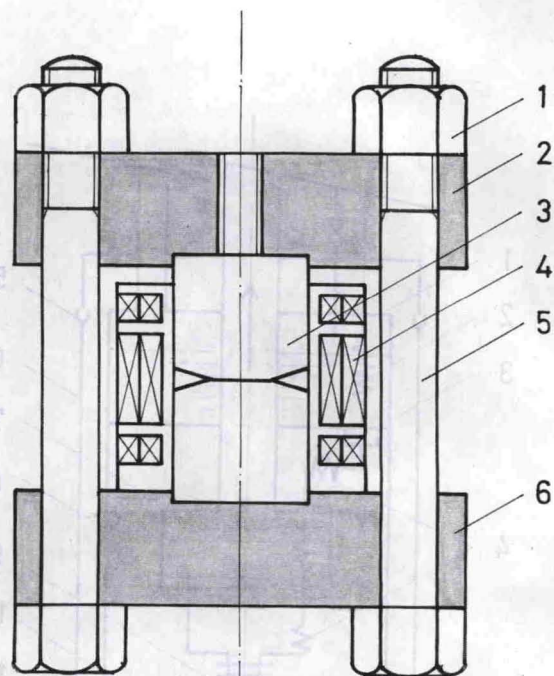
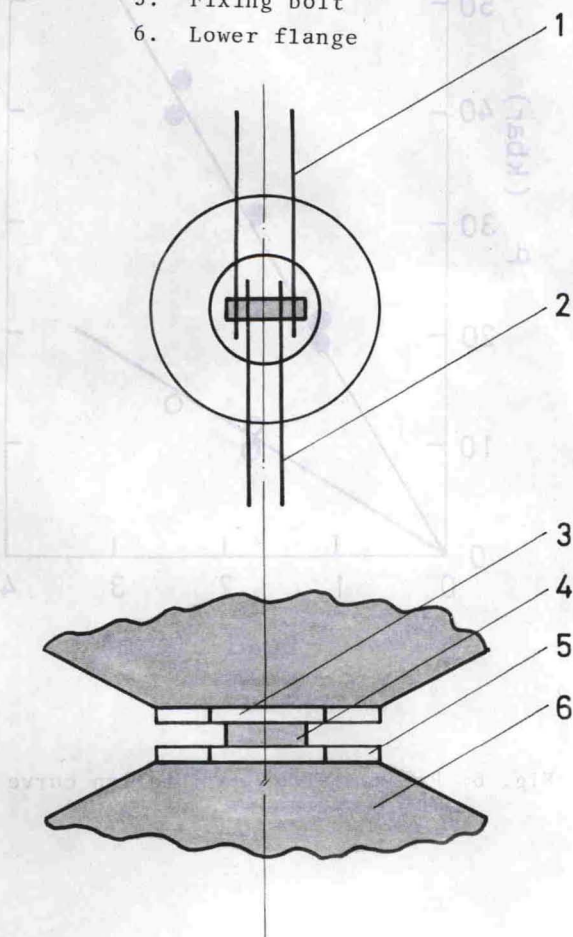


Fig. 2 D-II type high pressure clamp cell
This cell is used for an a.c.
magnetic susceptibility measure-
ment

1. Fixing nut
2. Upper flange
3. Tungsten carbide anvil
4. Measuring coil
5. Fixing bolt
6. Lower flange

Fig. 3 Sample assembly for d.c. method

1. Current lead
2. Potential lead
3. Talc disk
4. Sample
5. Phyllosilicate ring
6. Tungsten carbide anvil