

Тема 5. Хидравлични управляващи устройства – дросели, разпределители и клапани

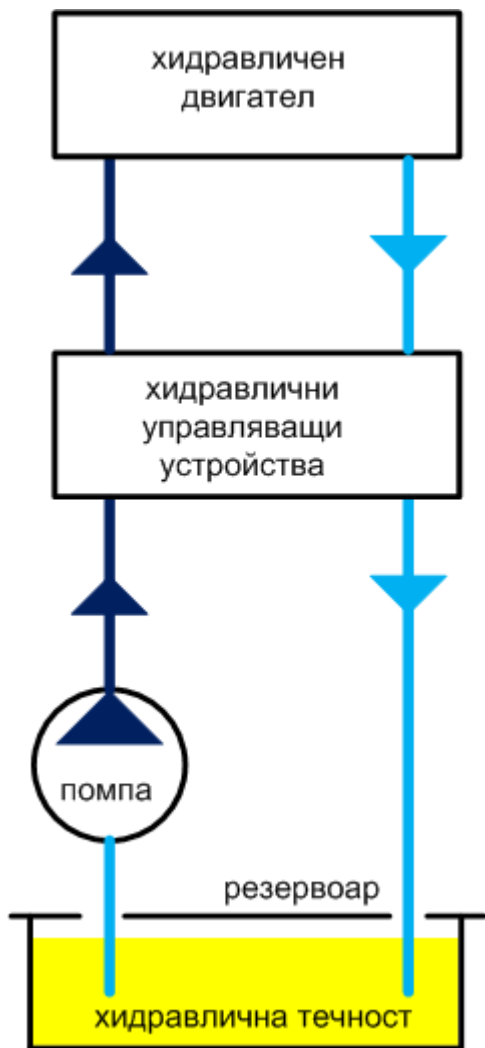
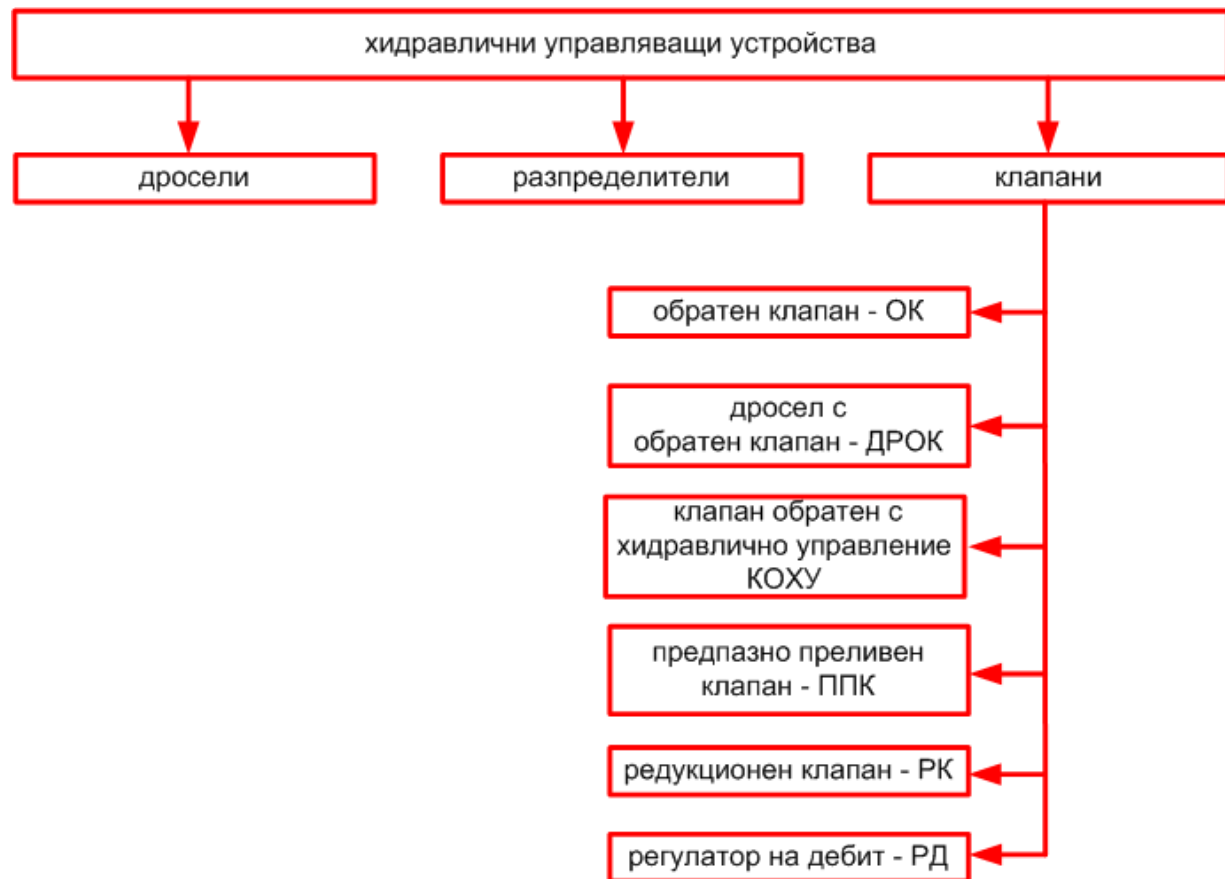
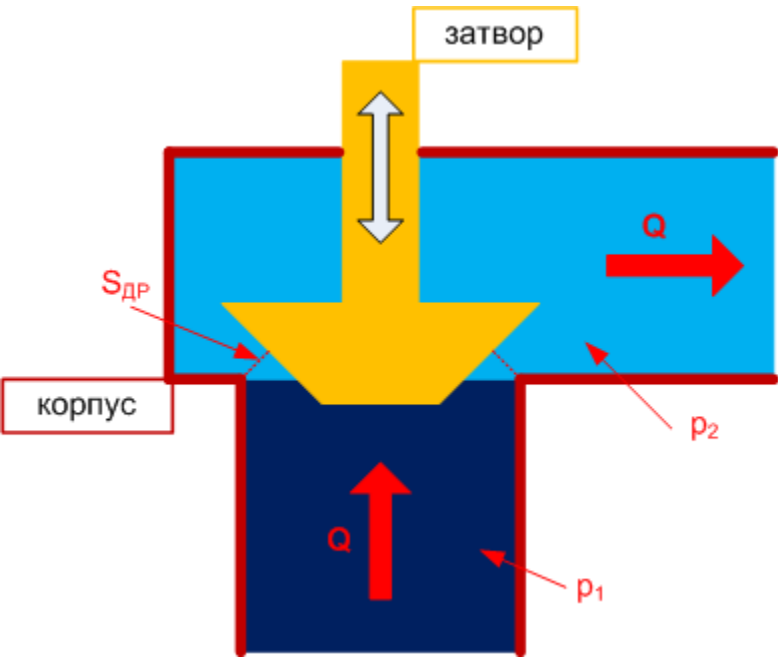


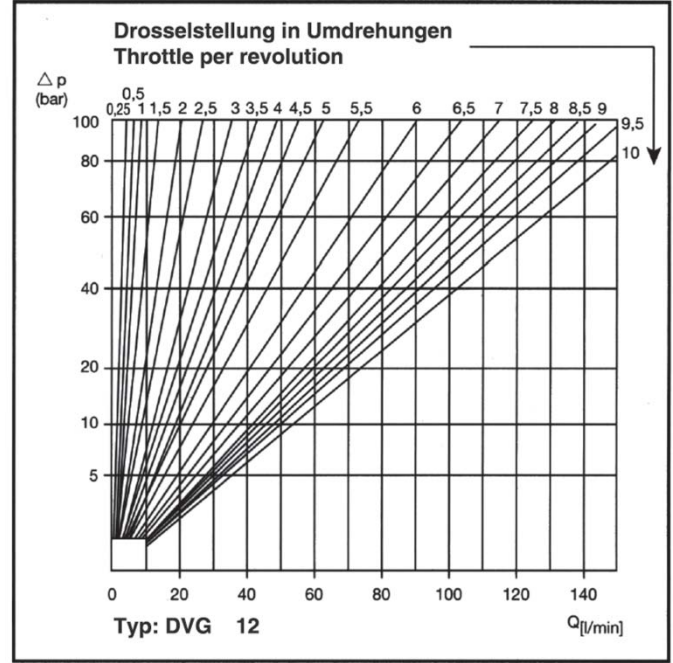
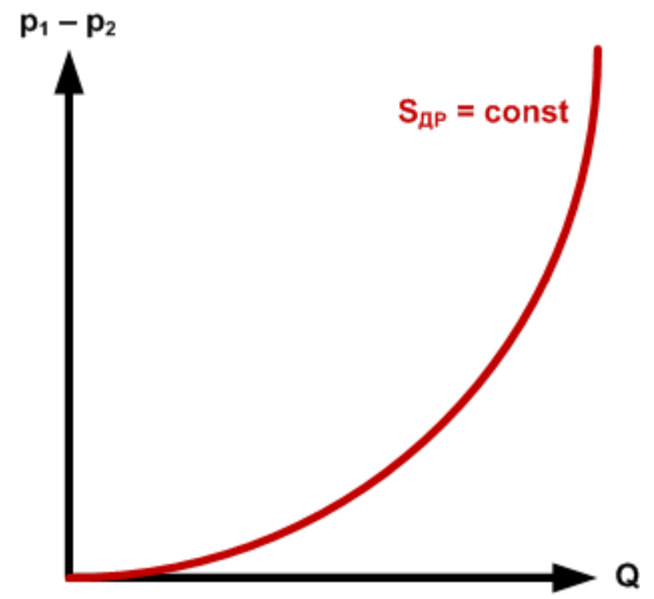
Схема на хидравлична задвижваща система



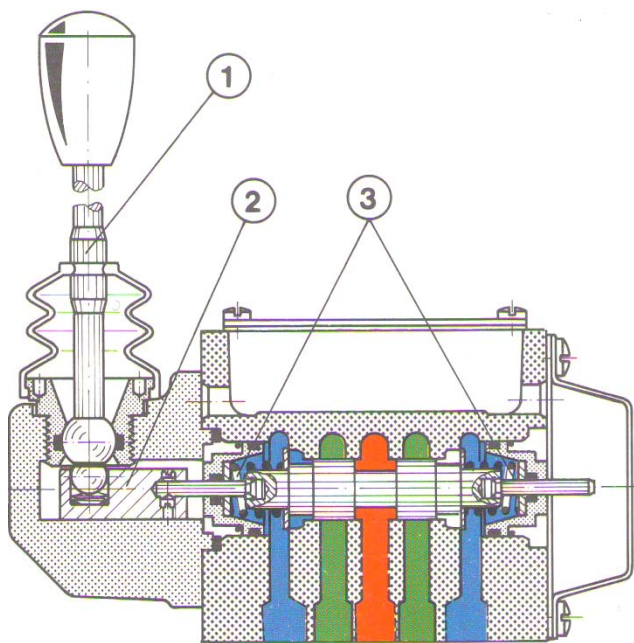
1. Хидравлический дросел



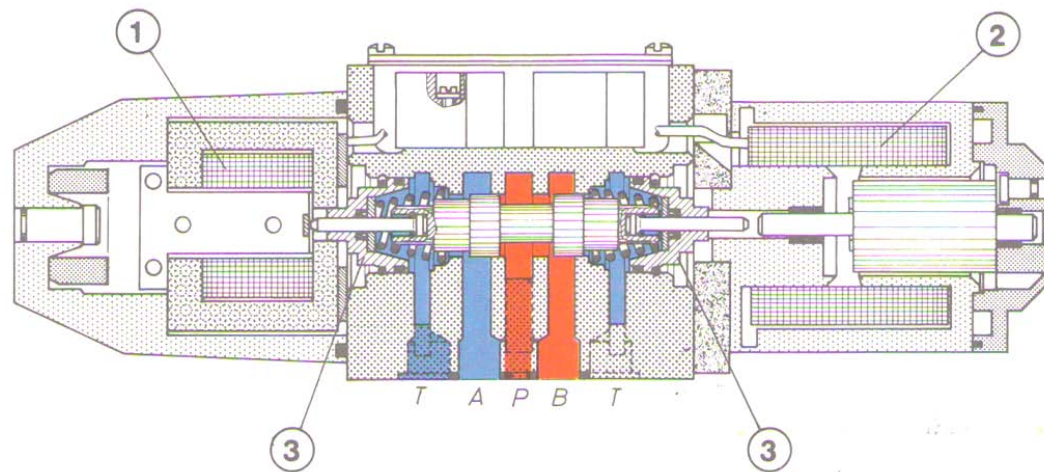
$$Q = \mu S_{ДР} \sqrt{2 \frac{(p_1 - p_2)}{\rho}}$$



2. Хидравличен разпределител



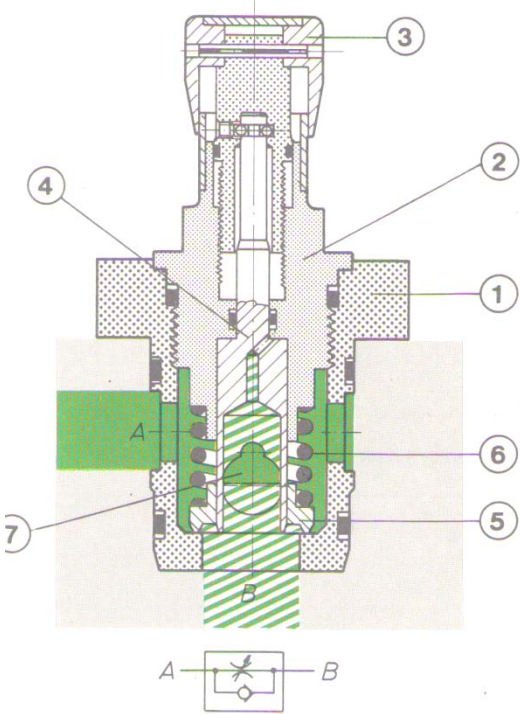
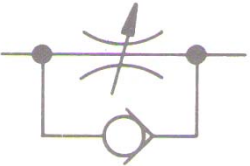
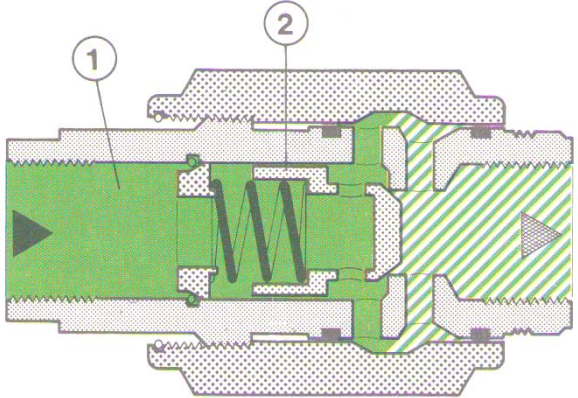
Хидравличен разпределител
с ръчно управление



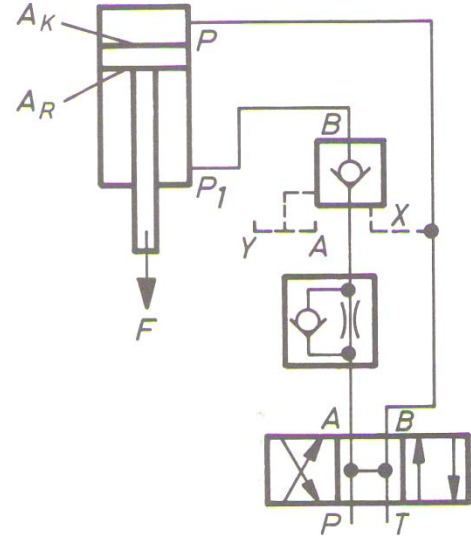
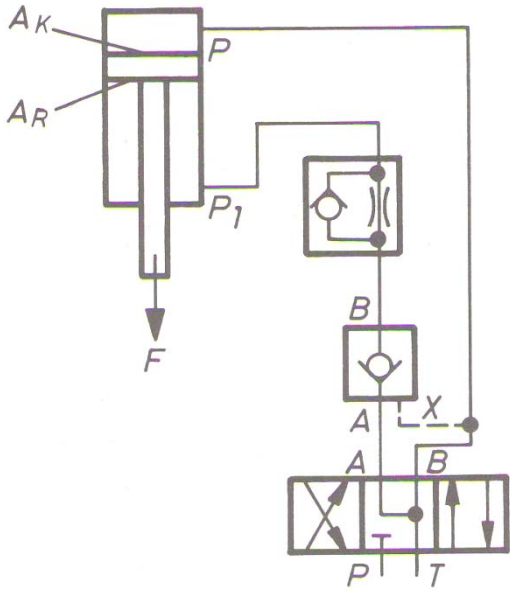
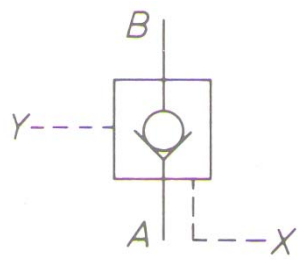
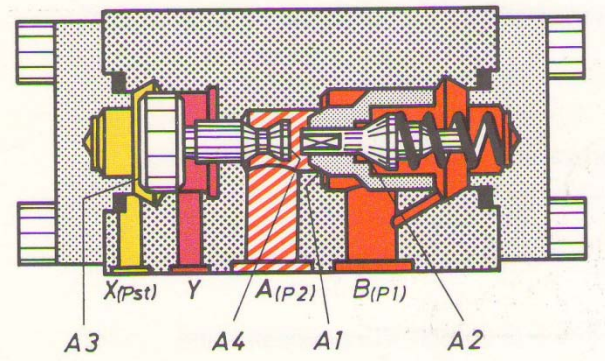
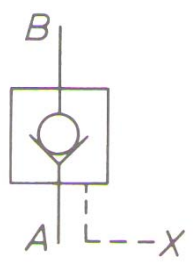
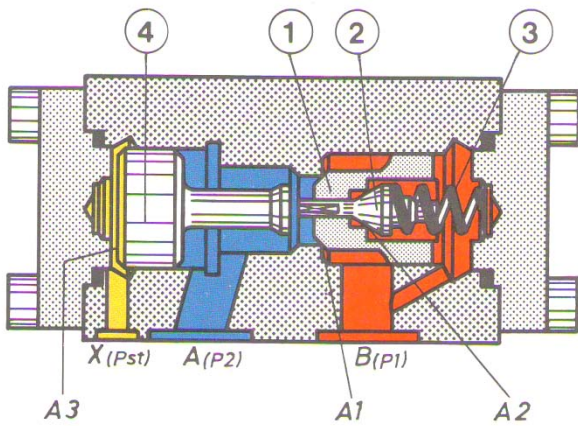
Хидравличен разпределител
с електрическо управление

3.Клапани

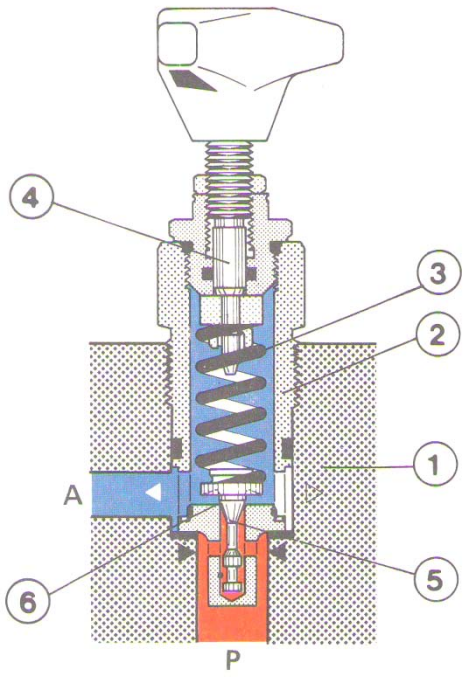
3.1. Дросел с обратен клапан



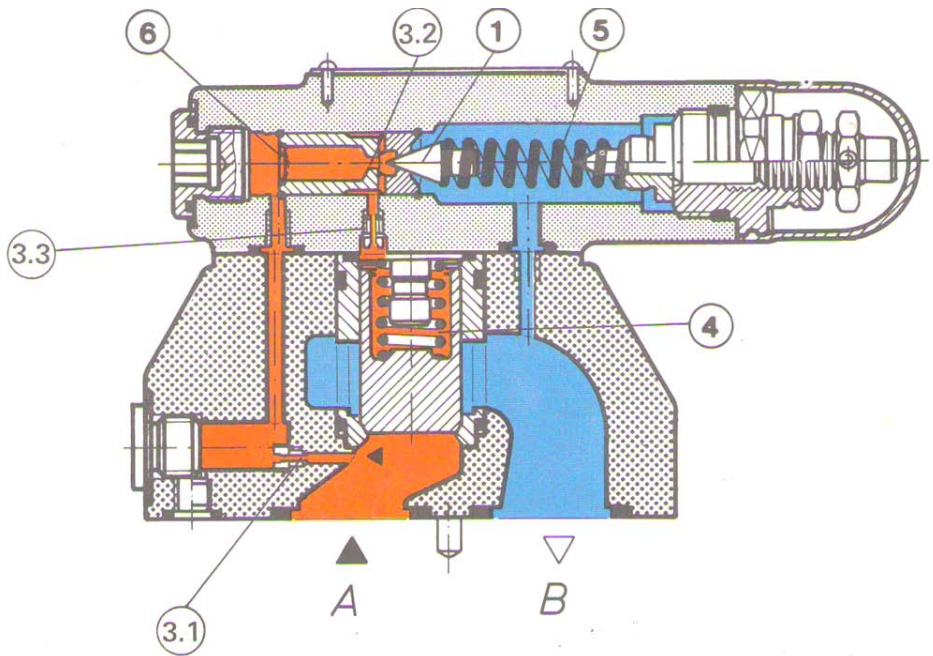
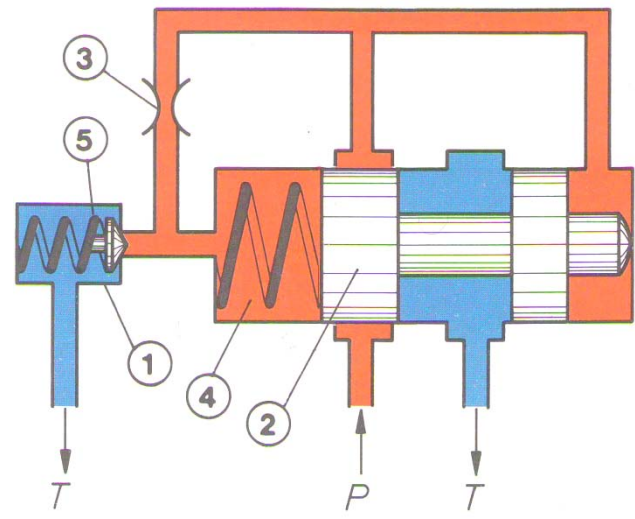
3.2. Клапан обратен с хидравлично управление



3.3. Предпазно преливен клапан



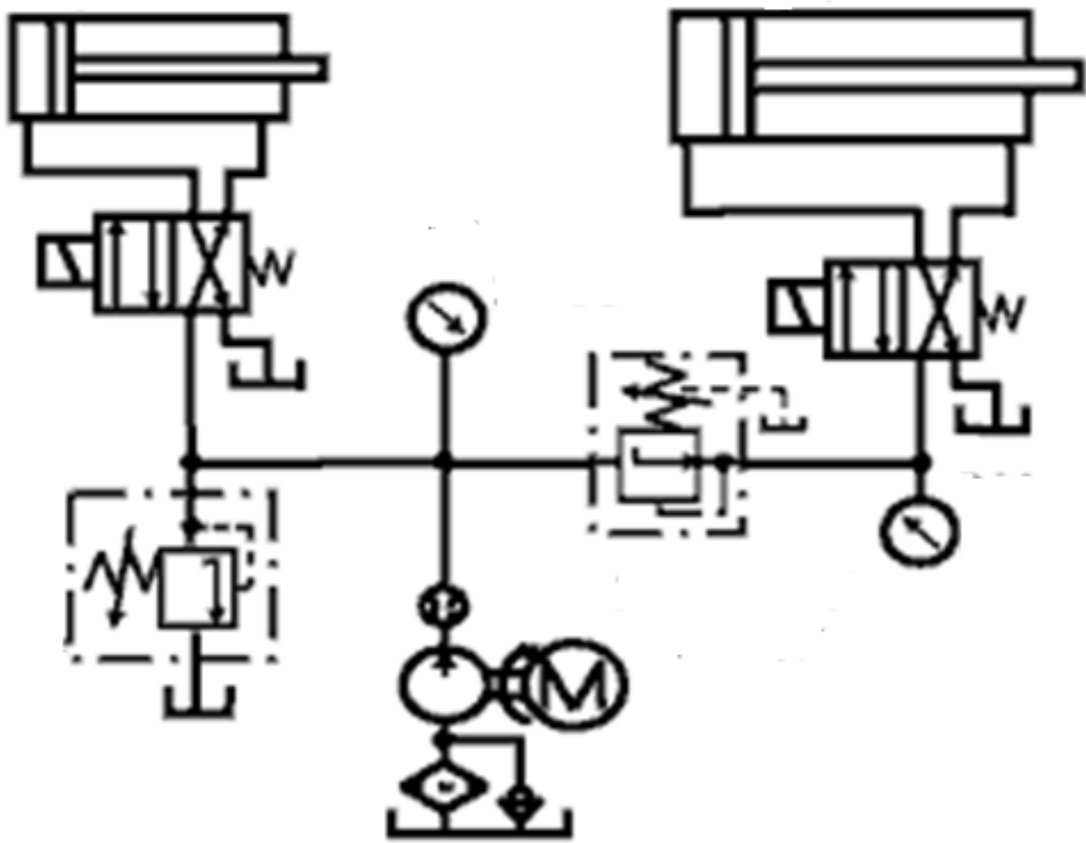
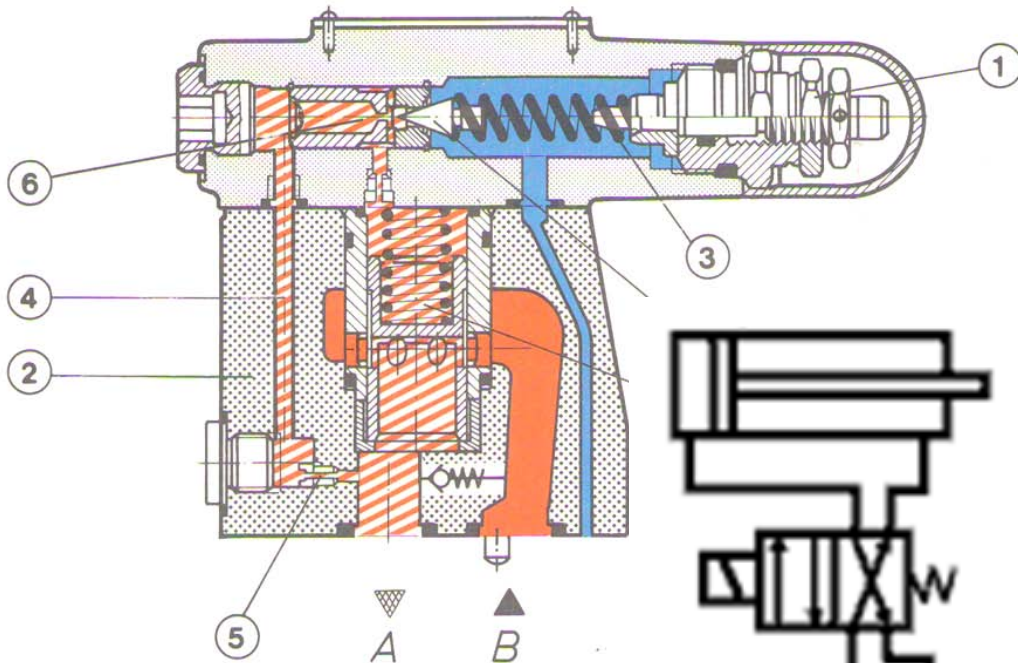
Предпазно преливен клапан с пряко управление



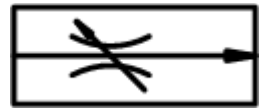
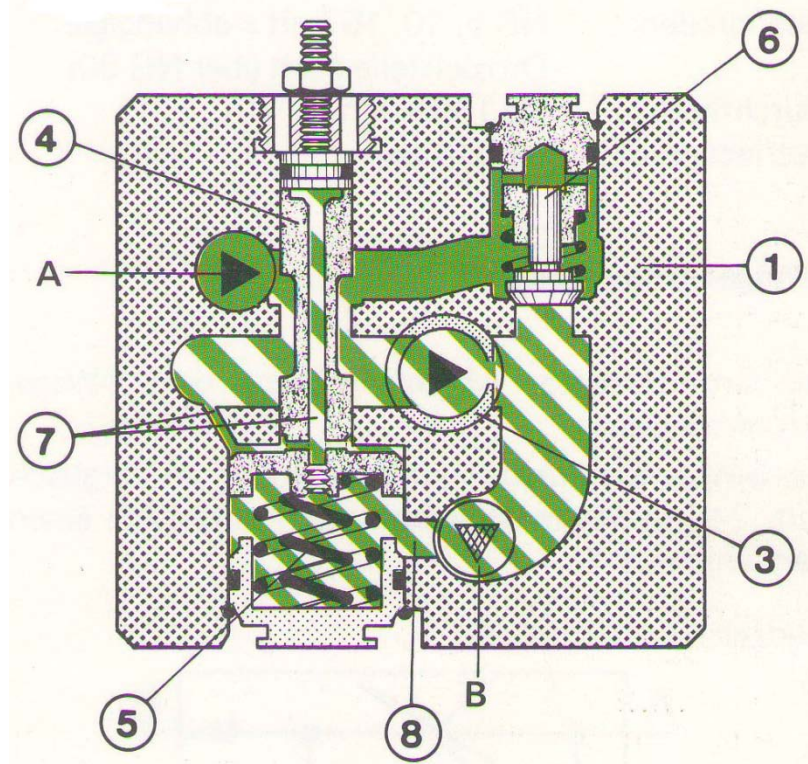
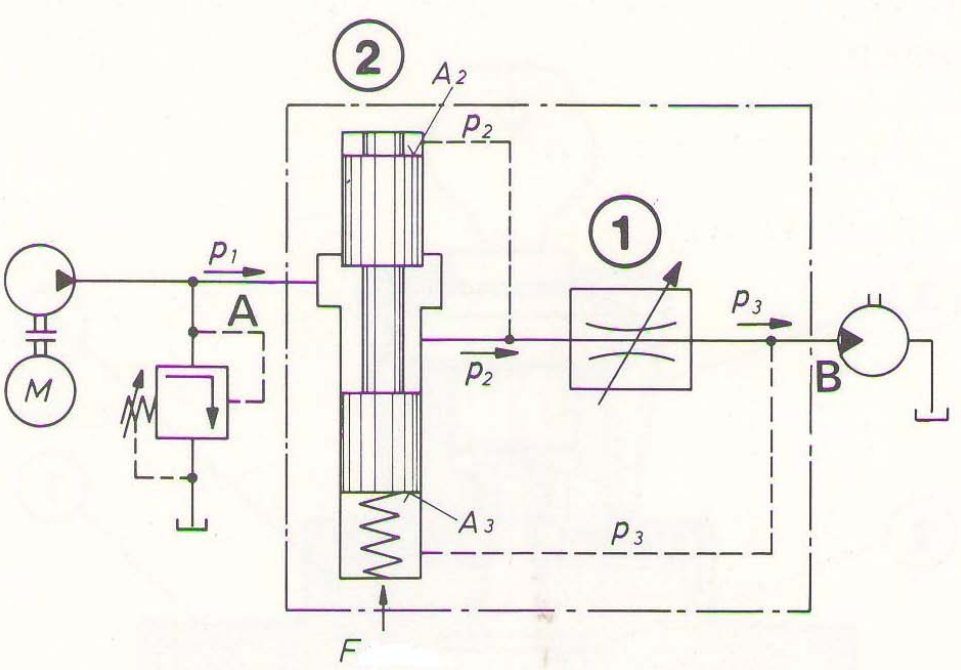
Предпазно преливен клапан с непряко управление



3.4. Редукционен клапан



3.5. Регулятор на дебит



<http://www.boschrexroth.com>
<http://www.atos.com>
<http://www.pister-gmbh.com>