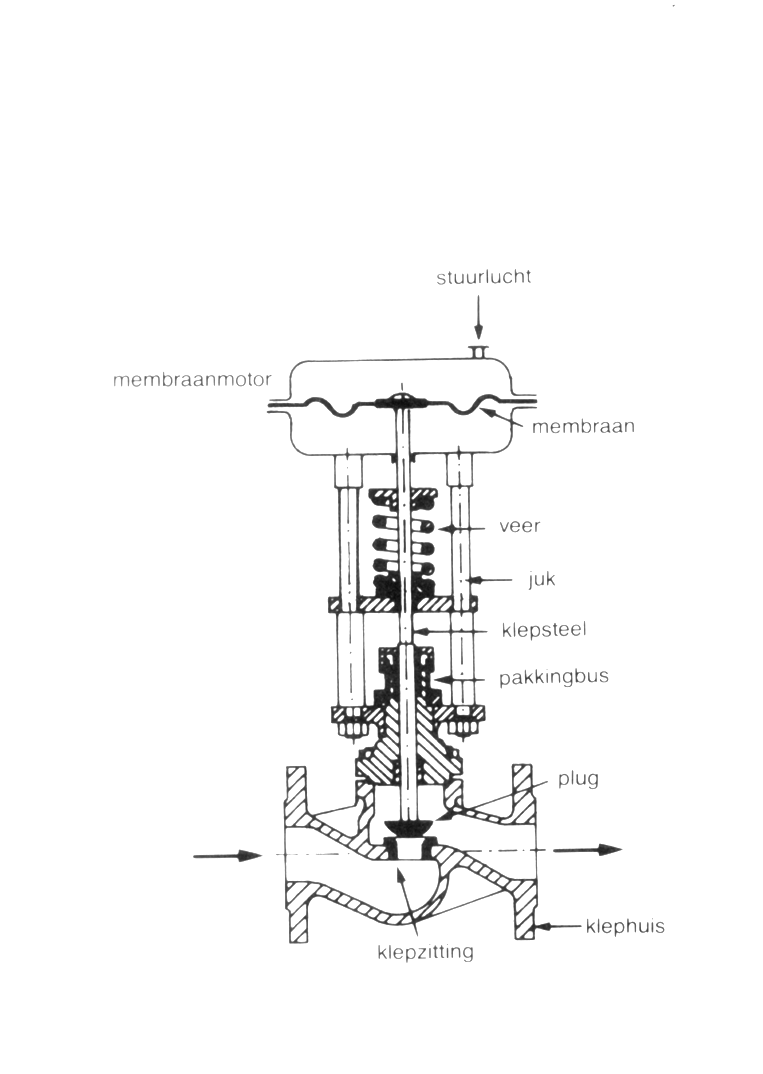
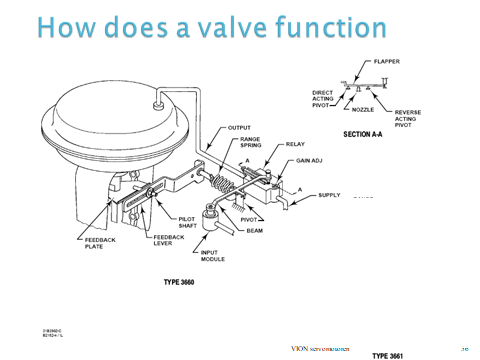
**VALVE AS AN ACTUATOR**







1)*Analysis of of how a pneumatic valve works*

By means of these two drawings try to foind out how the pneumatic valve in the laboratory works.

2) *Setting a control valve*

The automatic valve has to be set to control a level by means of the levelcontroller Milltronics.

1. Set the levelcontrol
2. Set the valve
3. Connect the wiring and set the controller. Look at how the valve reacts but FIRST answer question d!!!
4. What is MTL5041? What is the purpose and how does it work.

|  |  |  |  |
| --- | --- | --- | --- |
| P | I | D | Valve reaction |
| 1 | 0 | 0 |  |
| 1 | 0 | 1 |  |
| 1 | 0 | 5 |  |
| 10 | 1 | 0 |  |
| 10 | 5 | 1 |  |
| 10 | 10 | 5 |  |
| 50 | 1 | 0 |  |
| 50 | 5 | 1 |  |
| 50 | 10 | 5 |  |