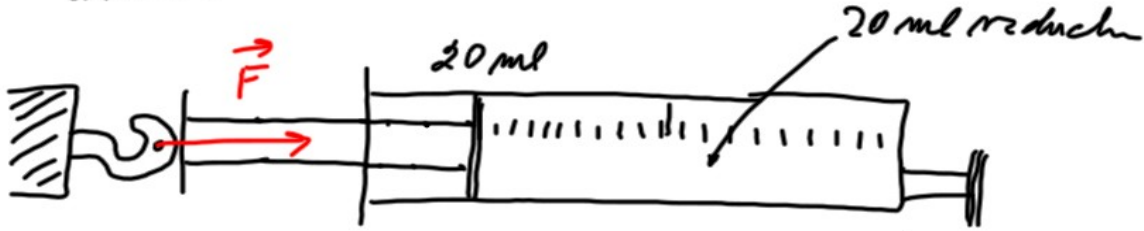


Průběh:



S... plocha pístku ϕ 2 cm
 F_0 ... tížení 10 N

$$p = \frac{F - F_0}{S} + 10^5$$

| $\frac{F}{N}$ | $\frac{V}{ml}$ | $\frac{p}{Pa}$ | $p \cdot V$ |
|---------------|----------------|----------------|-------------|
| 10 | 20 | | |
| 15 | 17,5 | | |
| 18 | 15 | | |
| 28 | 12,5 | | |
| 39 | 10 | | |
| 61 | 7,5 | | |
| (69) | (5) | | |

p-V diagramm počítáno
 e-mail

| F/N | V/ml | p/Pa | p'/Pa * | p.V |
|-----|------|--------|-----------|---------|
| 10 | 20,0 | 100000 | 98075,9 | 2000000 |
| 15 | 17,5 | 115924 | 112086,74 | 2028662 |
| 18 | 15,0 | 125478 | 130767,87 | 1882166 |
| 28 | 12,5 | 157325 | 156921,44 | 1966561 |
| 39 | 10,0 | 192357 | 196151,8 | 1923567 |
| 61 | 7,5 | 262420 | 261535,73 | 1968153 |

* tlak podle Boylova-Mariottova zákona

