



# Flat diaphragms



## • Characteristics:

- pressure loadable on both sides
- same effective area on both sides
- limited stroke as defined hereunder:  
 $H_{max} \leq 0.06 \times DG$  (regulatory function)  
 $H_{max} \leq 0.1 \times DG$  (pump function)
- low hysteresis
- no stick-slip effect
- $DLM = DLG + 0.02 DG$

## • Design:

- of coated fabric
- fabric reinforced
- rubber sole

## • Functions:

- pump
- regulation
- control and measurement

## • Construction and dimensions:

