

## Overview of Electropneumatic Mass Flow Servovalve

( $Q = 0,05\text{Nm}^3/\text{h}$  up to  $80\text{Nm}^3/\text{h}$      $p = 10\text{bar}$  up to  $30\text{ bar}$  or more)

This product group of the electropneumatic servovalves originated as a result of the specific market demands for higher automation. It is based on years of experience at Schneider in the field of one-stage hydraulic servovalves.

Where the mechanical strokes used to be adjusted, a motion pickup is installed today which keeps a steady position control. Where differing pressures used to be modulated by mechanically adjustable pressure control valves, an inexpensive pressure pickoff is now installed which ensures steady pressure control.

This catalogue will give you an overall view of different systems

### field of applications:

packing machine

pneum. brake

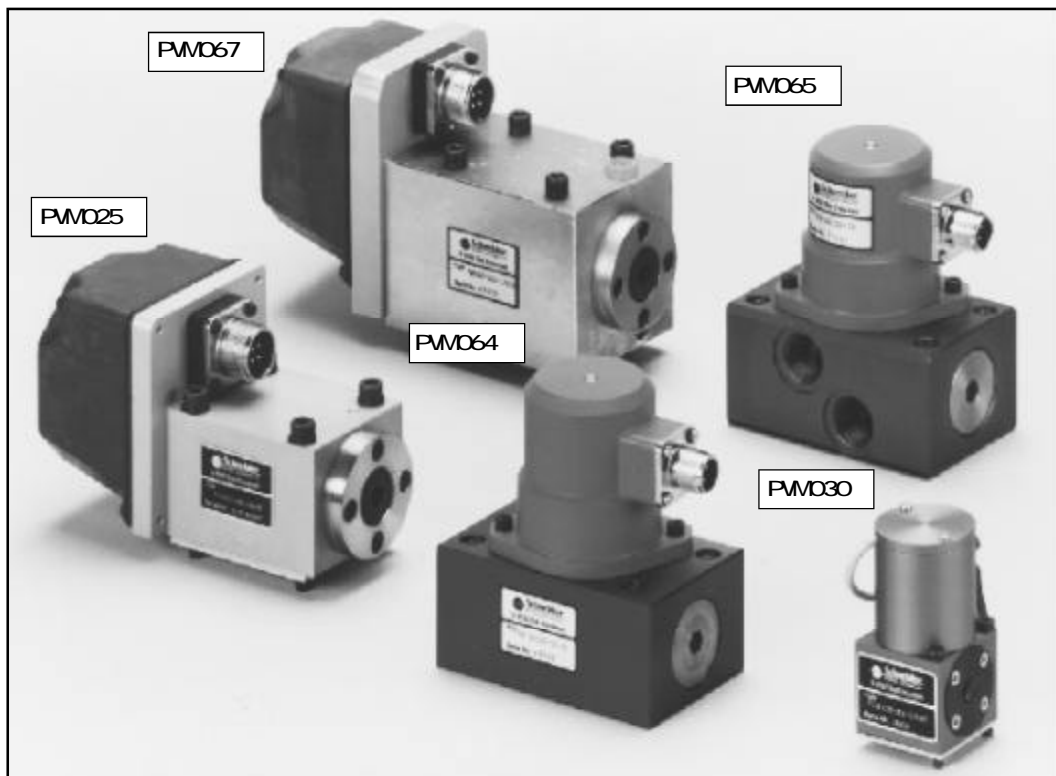
Compressor control

shoes production

car gear lever testing

Gas volume control

### Program-selection



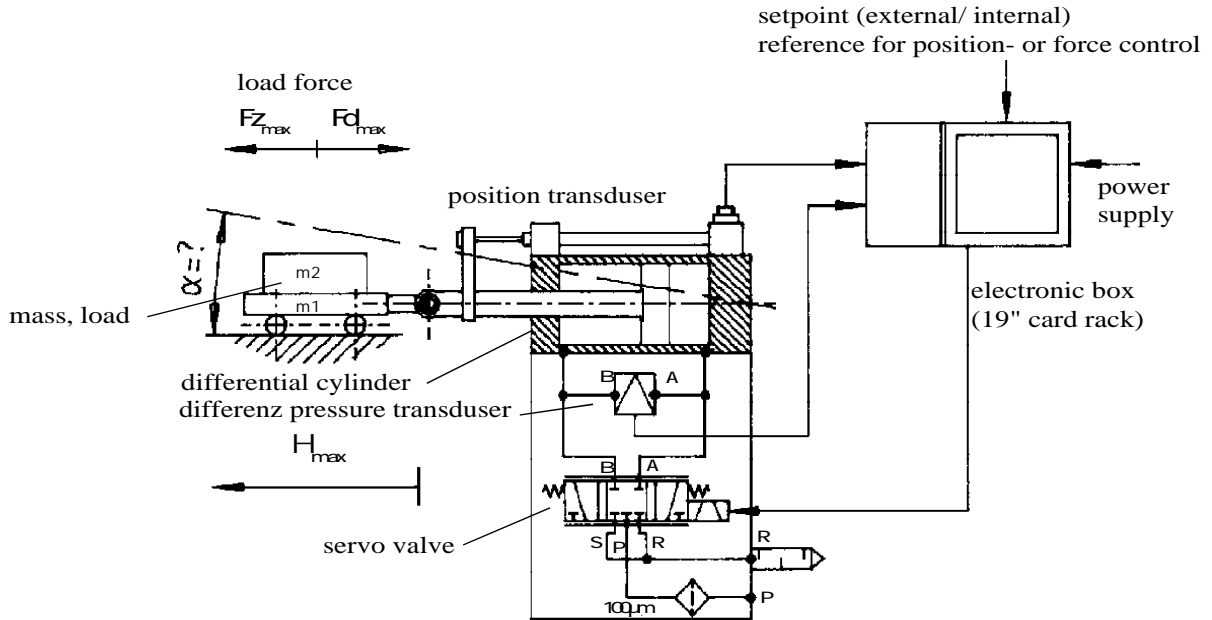
### Technical datas

Type model	rated pressure (bar)	maximum pressure (bar)	rated flow ( $\text{N m}^3/\text{h}$ )	responcs time (m sec)	hysteresis %	rated current (mA)
P V M 0 6 7	0...315	450	max .80	10	<2	± 300 / 650 mA
P V M 0 2 5	0...315	450	max .40	6	<2	± 300 / 650 mA
P V M 0 6 4	6	10	max .80	10	<4	± 400 / 800 mA
P V M 0 6 5	6	10	max .80	10	<4	± 400 / 800
P V M 0 3 0	0...20	30	max .12,5	10	<4	± 200

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## Servo-pneumatic Positioning Systems



Short-description of your application :

### application datas:

1. mounting direction	horizontal <input type="radio"/> vertical <input type="radio"/> angle a = ... (°) <input type="radio"/>	9. reference value	internal <input type="radio"/> external <input type="radio"/> 0...+10V <input type="radio"/> 0...+5V <input type="radio"/> 0...20mA <input type="radio"/> 4...20mA <input type="radio"/>
2. moving mass	m1 = ... (kg) m2 = ... (kg)	10. position transducer	linear poti <input type="radio"/> LVDT <input type="radio"/> digital <input type="radio"/>
3. max. load force	Fz = ... (N) Fd = ... (N)	11. electronic housing	compact-box (30TE, IP65) <input type="radio"/> 19" card rack open <input type="radio"/> 19" card rack closed IP ... <input type="radio"/> 19" table case <input type="radio"/> others <input type="radio"/>
4. max. stroke	s = ... (mm)	12. additional amplifier	inductive <input type="radio"/> magnetorestriktiv <input type="radio"/> force <input type="radio"/> others <input type="radio"/>
5. max. cylinder speed	V <sub>max</sub> = ... (m/s)		
6. position control <input type="radio"/>	max position error <= ..... (mm)		
7. force control <input type="radio"/>	max tolerance <= ... (N)		
8. velocity control <input type="radio"/>	max tolerance <= ... (mm)		

(please fill out above table and mark your conditions !)

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