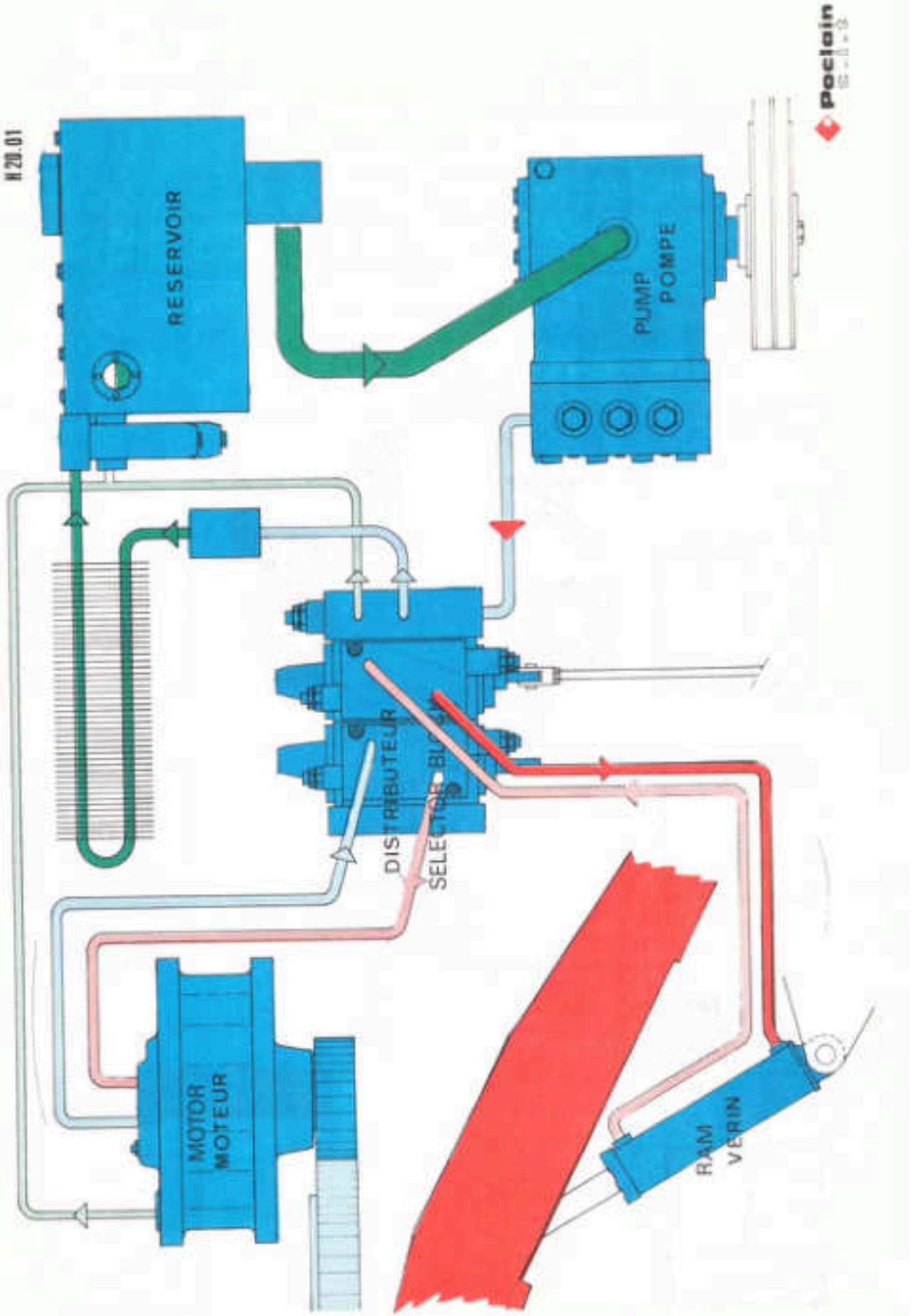
General Hydraulics

(Poclain Product)

Technical Manual 8-38330

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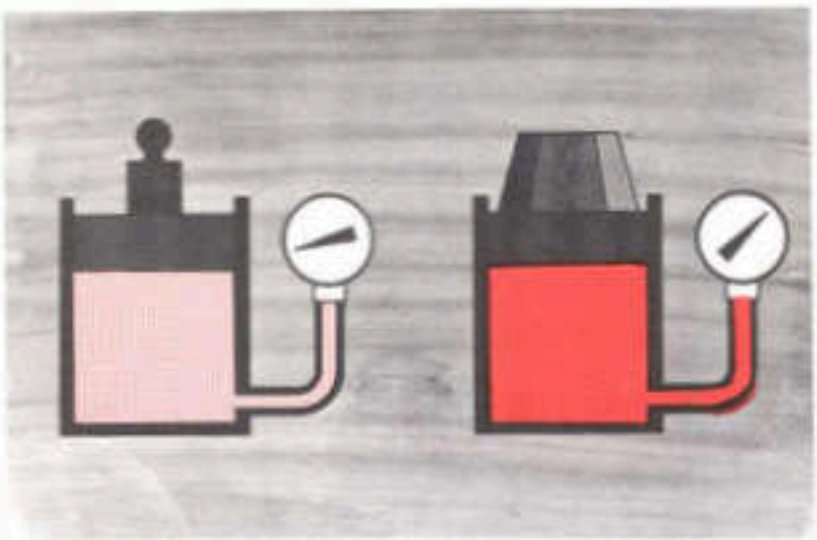
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4- PRINCIPLES OF PRESSURE

1) THE PRESSURE DEPENDS ON THE WEIGHT OF THE LOAD



Example of application

1st case

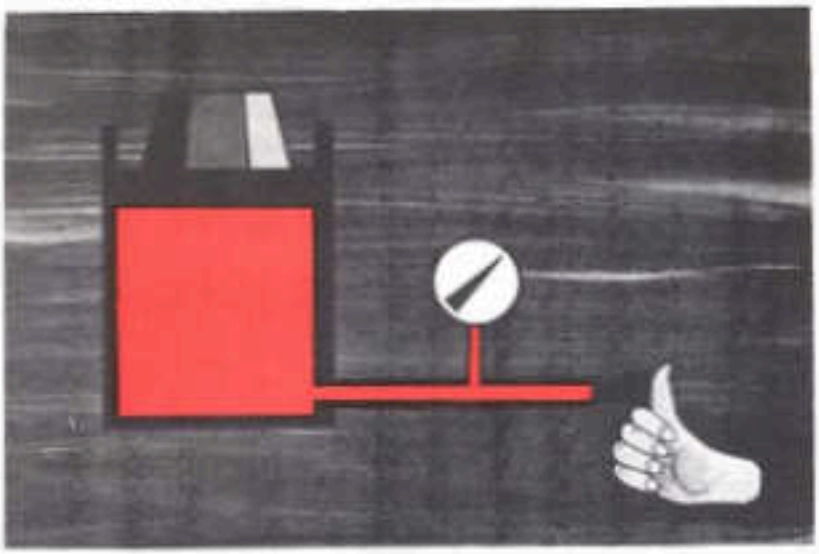
Weight = 30daN
Sectional area = 100 cm2
Pressure= $\frac{30}{100}$ = 0,3 bar

2nd case

Weight = 100daN
Sectional area = 100 cm2
Pressure= $\frac{100}{100}$ = 1 bar

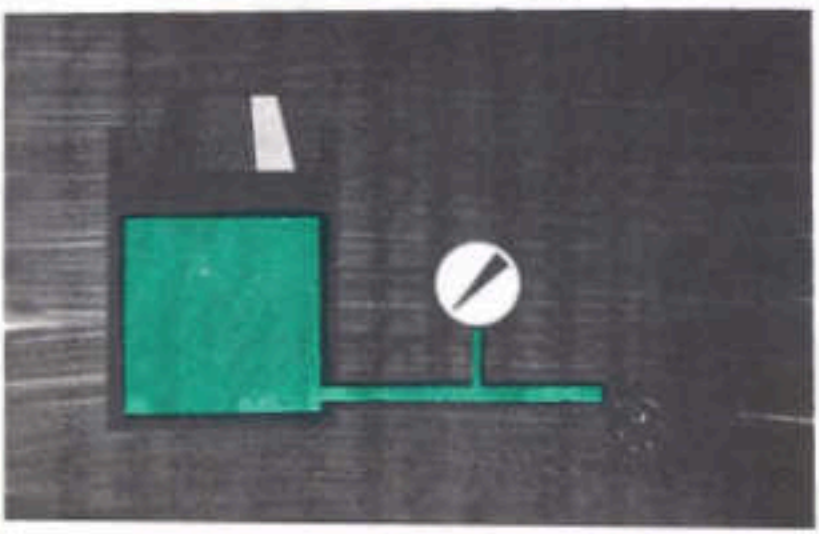
The hydraulic pressure can be read directly with a gauge.

2) THE PRESSURE DEPENDS ON THE RESISTANCE



Resistance or obstacle

Pressure



No resistance

No pressure

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