

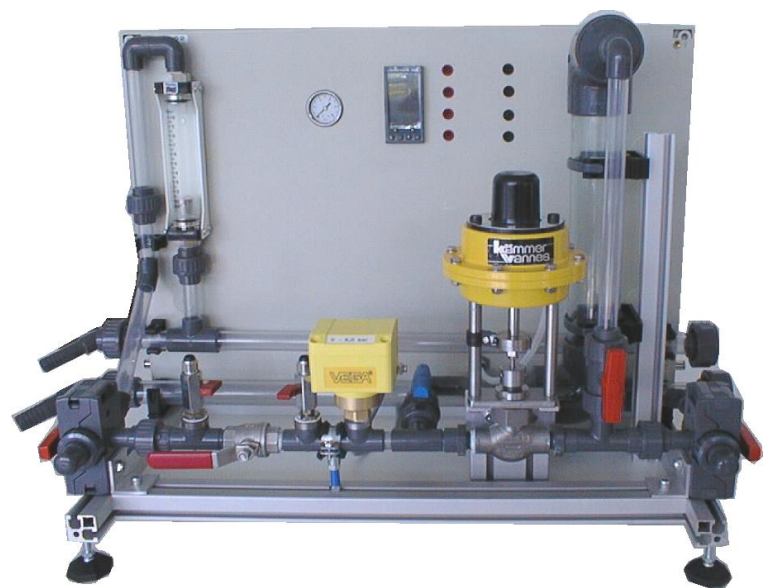
Pressure control and regulation unit – serial/parallel

DESCRIPTION

- The pressure control and regulation unit comes complete with instrumentation, technical, and instruction manuals.
- Designed and manufactured to industrial standards.
- This unit is designed for different levels and fields of study.
- Input and output components connected using 4 mm diameter female connectors. .

Options :

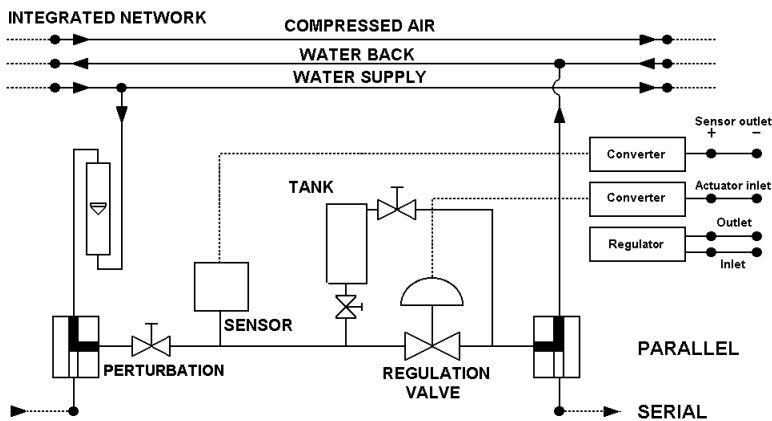
- Interface and software for P.C
- Utility module
- The control and regulating modules can be connected in series or parallel.



SUGGESTED APPLICATIONS

- Technical data of the elements in a regulating system.
- Sensor-Regulator-Activator-perturbing element.
- PID or autoadaptable.
- Configuration of regulator.
- Characteristic curves (pressure, valve opening, response time, etc...).

RCP 100



UTILITIES

Electricity : 230 VAC single-phase
Water : 10 L/min -3 bars (44 psi)
Compressed air : 6 bars (90 psi) maximum

DIMENSIONS

Length : 780 mm
Width : 570 mm
Height : 590 mm
Weight : 40 kg

Relative pressure sensor

Ceramic membrane
Cell of capacitive dried measure
Gas thread 1/2 "
Box POM IP 65
Type 0.5 % with alignment certificate
Exit signal sensor : 4 - 20 mA

Control valve

Nitrile membrane valve
Body, seat, valve, rod made in stainless
Steel 316 L
Seat and valve interchangeable
Signal : 0.2 - 1 bar
Range : 40 : 1

Regulator PID type with microprocessor

Accuracy type : 0.2
With graduated scale
Relay exit, logical, uninterrupted
- Proportional belt of 0.5 to 1000 %
- Integral action temperatures from 0.1 to 100 min
- Shunted action temperatures from 0.01 to 10 min
Autoadaptable PID parameters are calculated by the relay to obtain excellent regulation

Variable section flow meter

Rotometer : accuracy : $\pm 3\%$ of the full scale

1/4 pass disturbing valve