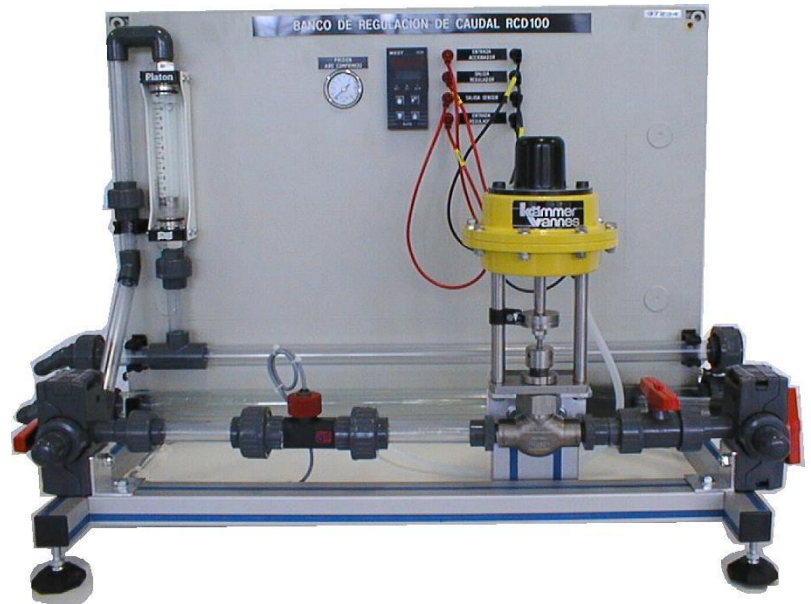


Flow control and regulation unit – Serial/parallel

DESCRIPTION

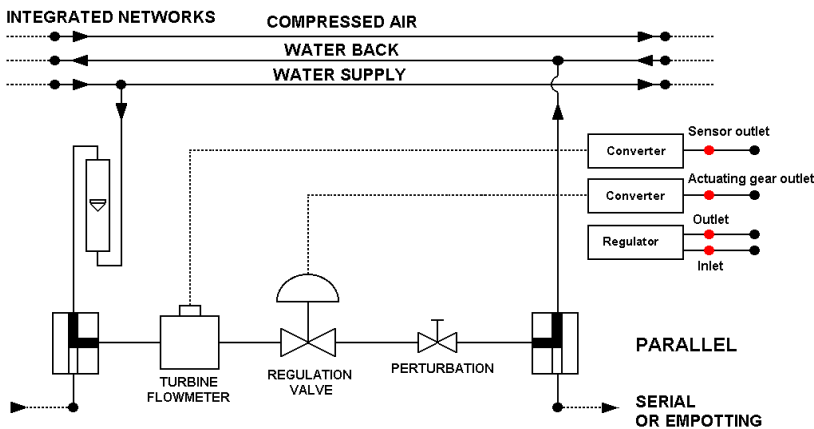
- The flow control and regulation unit comes complete with instrumentation and includes a technical and instructions manual.
- Designed and manufactured to industrial standards.
- This unit is designed for different levels and fields of study.
- Input and output with female connections of 4 mm diameter.
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 (flow, valve opening, response time, etc...).

RCD 100



UTILITIES

Electricity : 220/230 mono VAC
Water : 10l/mn - 3 bars (44 PSI)
Compressed air : 6 bars (90 PSI) maximum

DIMENSIONS

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

Flow meter

Flow meter with magnetic induction turbine
Exit signal : NPN 12 - 24 VDC 1 K
Signal converter : 4 - 20 mA proportional to the flow
Accuracy : $\pm 0.5\%$ of the full scale

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 an excellent regulation

Variable section flow.meter

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

1/4 pass disturbing valve