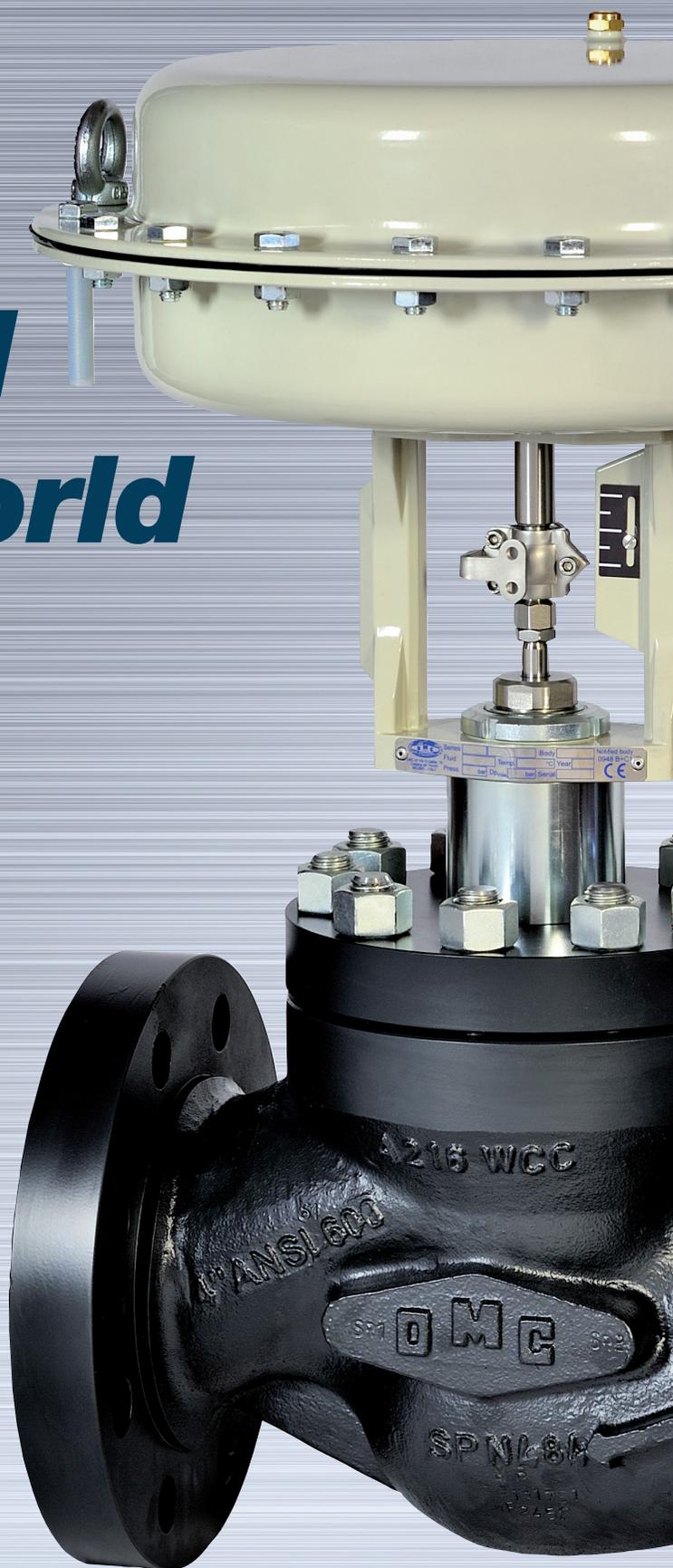


the process control, the control of your world

*Control Valves
I to P Converters
Digital Positioners
Analog Positioners
Limit Switches Box
Recording Controllers
Pneumatic Controllers*

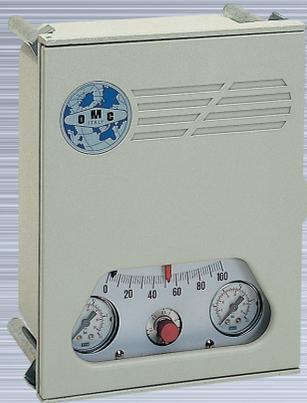


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PNEUMATIC CONTROLLERS AND TRANSMITTERS

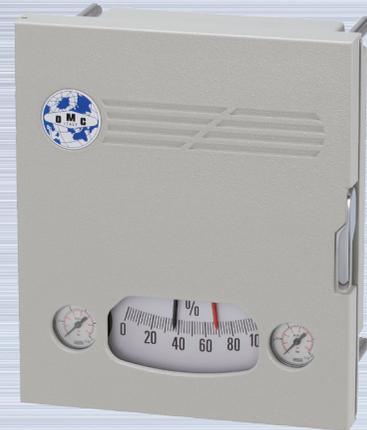


SERIES 80

For the control of temperature and pressure in industrial or process plants. The indicating controller is used for control of liquid, gaseous or vaporous media. The instrument senses the temp./press. of the measured medium directly, displays the operating value, compares the measured variable with the set point and puts out a pneumatic signal in the standard range of 0,2 to 1bar or 3 to 15psi. This output pressure actuates the final control element. Four control forms are available: ON-OFF, P, P+I, P+I+D. The units can be also used for remote control of process operating whether pneumatic transmitter (output 0,2÷1bar or 3÷15psi) and receiver controller (input 0,2÷1bar, 3÷15psi).

Scale width: 75mm

Dimensions (mm): 170(W) x 255(H) x 100(D)



SERIES 350

High capacity indicating controller/transmitter for temperature, pressure and flow in industrial or process plants. Series 350 is used for control of liquid, gaseous or vaporous media. The instrument senses the temp./press. of the measured medium directly, displays the operating value, compares the measured variable with the set point and puts out a pneumatic signal in the standard range of 0,2 to 1bar or 3 to 15psi. This output pressure actuates the final control element. Four control forms are available: ON-OFF, P, P+I, P+I+D. The units can be also used for remote control of process operating whether pneumatic transmitter (output 0,2÷1bar or 3÷15psi) and receiver controller (input 0,2÷1bar, 3÷15psi).

Scale width: 100mm

Dimensions (mm): 250(W) x 290(H) x 135(D)

SERIES 750EP

As above but with input from thermocouple, PT100, V, mA.

**MAX STATIC
PRESSURE**
100 bar



DP5A

**MAX STATIC
PRESSURE**
75 bar



DP5B

**MAX STATIC
PRESSURE**
400 bar



DP5D

**DIFFERENTIAL
PRESSURE**
LIMIT 100 bar



DP5H

**RELATIVE
PRESSURE
TRANSMITTER**



DP5R

The DP5 works on the force balance principle and consists of two main units. The measuring unit which detects the differential pressure variation and consists of two forged bodies and a measuring capsule. The transmission unit converts the differential force applied to the measuring element into a proportional output pneumatic signal.



RECORDERS / RECORDING CONTROLLERS



SERIES 40

5" circular chart recorder Series 40 is suitable to record the temperature of refrigerating rooms in the pharmaceutical and food industry. Series 40 is a mechanic continual trace recorders. The system of writing is made by cartridge with fiber pen. Series 40 allows the simultaneous registration up to two variables of daily or weekly process.

Dimensions (mm):
144(W) x 144(H) x 131(D)



SERIES 30

6" circular chart recorder Series 30 is suitable to record temperature and/or pressure of liquids, gaseous or vaporous media in the industrial process plants. Series 30 are mechanic continual trace recorders. The system of writing is made by cartridge with fiber pen. Series 30 allow the simultaneous registration up to two variables.

Dimensions (mm):
215(W) x 250(H) x 112(D)



SERIES 160

The strip chart recorder Series 160 is suitable to record physical variables which temperature and pressure of liquids, gaseous or vaporous media in the industrial process plants. The system of writing is made by cartridge with fiber pen. Series 160 allows the simultaneous registration up to two variables process (chart speed 20mm/ hours std.).

Dimensions (mm):
245(W) x 330(H) x 125(D)



SERIES 150/W150

8" circular chart recorders (150) or recording controllers (W150) are suitable to record physical variables which temperature and pressure of liquids, gaseous or vaporous media in the industrial process plants. Series 150 are mechanic continual trace recorders The system of writing is made by cartridge with fiber pen.

Dimensions (mm):
245(W) x 330(H) x 125(D)

SERIES 650EP/W650EP

As above but with input from thermocouple, PT100, V, mA.



SERIES 450/W450

10" circular chart recorders (450) or recording controllers (W450) are suitable to record physical variables which temperature and pressure of liquids, gaseous or vaporous media in the industrial process plants. Series 150 are mechanic continual trace recorders The system of writing is made by cartridge with fiber pen.

Dimensions (mm):
340(W) x 400(H) x 145(D)

SERIES 950EP/W950EP

As above but with input from thermocouple, PT100, V, mA.



SERIES 460/W460

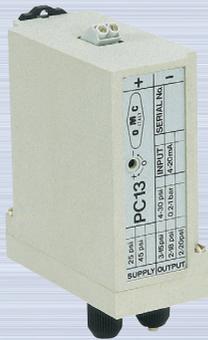
Strip chart recorders (450) or recording controllers (W450) are suitable to record physical variables which temperature and pressure of liquids, gaseous or vaporous media in the industrial process plants. Series 450 are mechanic continual trace recorders The system of writing is made by cartridge with fiber pen.

Dimensions (mm):
340(W) x 400(H) x 145(D)

SERIES 960EP/W960EP

As above but with input from thermocouple, PT100, V, mA.

I/P CONVERTERS AND ACCESSORIES



PC13

PC13 converts the DC input signal in a pneumatic output (3÷15, 2÷18, 2÷20, 4÷30 psi). ABS IP20 housing unit for EN rail mounting.



PC15

I/P converter designed for installation on-site or in the field. It converts the DC input signal in a pneumatic output signal (3÷15, 2÷18, 2÷20, 4÷30 psi).



PC18

Suitable for high power actuator. PC18 converts a DC input signal into a pneumatic output to 8 bar.



FR20

Air filter regulator
Filtration 20µ



FR10

Micro Air filter regulator
Filtration 50µ



SERIES 200

Auto/Manual Switch panel



RR10

High pressure selecting relay



SR10

Low pressure selecting relay (booster relay)



BR10

Reversing relay

ANALOG POSITIONERS AND ACCESSORIES



RP01 - RE01

Positioners RP01 and RE01 require an input signal of 3÷15 psi / 4÷20 mA for proportional control of linear actuators. The Positioner compares the output signal from a controller with the position feedback, and varies a pneumatic output signal to the actuator accordingly. The actuator position is therefore guaranteed for any controller output signal and the effects of varying differential pressure.

RP01 - Pneumatic
RE01 - Electro/Pneumatic



R99P - R99E

Positioners R99P and R99E require an input signal of 3÷15 psi / 4÷20 mA for proportional control of rotary actuators. The positioner operates on the force-balance principle by comparing the standard signal transmitted from a pneumatic or an electronic controller device and the angular rotation of the stem, and conveys a positioning amplified pressure to the valve actuator.

R99P - Pneumatic
R99E - Electro/Pneumatic



PTL7L - PTL7R

PTL7 is a fully Aluminium box construction with many different configurations like limit switches, electric switches, pneumatic switches and/or 4-20 mA position transmitter.

PTL7 is a rugged construction that meets requirements as easy and fast installation, easy start-up & reliability.

PTL7L - Linear
PTL7R - Rotary

SMART POSITIONERS



YT-3300L & YT-3300R

YT-3300 Intrinsically safe type smart valve positioner accurately controls valve stroke, according to input signal of 4-20mA, which is being input from the controller. In addition, built-in micro-processing operator optimizes the positioner's performance and provides unique functions such as Auto calibration, PID control, Alarm, and Hart protocol.

YT3300L - Linear
YT3300R - Rotary



YT-3400L & YT-3400R

YT-3400 Flameproof type smart valve positioner accurately controls valve stroke, according to input signal of 4-20mA, which is being input from the controller. In addition, built-in micro-processing operator optimizes the positioner's performance and provides unique functions such as Auto calibration, PID control, Alarm, and Hart protocol.

YT3400L - Linear
YT3400R - Rotary



YT-2500L & YT-2500R

YT-2500 Fail Freeze / Fail Safe type smart valve positioner accurately controls valve stroke, according to input signal of 4-20mA, which is being input from the controller. In addition, built-in micro-processing operator optimizes the positioner's performance and provides unique functions such as Auto calibration, PID control, Alarm, and Hart protocol.

YT2500L - Linear
YT2500R - Rotary

EUROPEAN STANDARD CONTROL VALVES

DN15 ÷ DN100 PN16



VL10

Single seated control valves are equipped of two-way body with in-line straight connections. The VL10 valves has been designed to assure an accurate control in any process condition. Their wide application ranges allows to use the VL10 with the most common process fluids such as water, superheated water, steam, air gas and other fluids.

Body: Spheroidal graphite cast iron
EN-GJS-400-18 (EN-JS1025)

Trim: ASTM A213 Type 304

Plug: EQP Soft Seal full port

Yoke: pillar type

DN15 ÷ DN200 PN16



TA-Luft

VD10

Ductile Iron globe valve style body construction with a wide range of different single stage trims available. VD10 series combine the advanced modular design and the wide range of actuators to satisfy the needs of the industrial applications.

VD10 valves are designed to control a broad variety of fluids, like steam, water, most of the medium and gases. One of the main features of this serie is the top guided construction which assure a stable plug travel over entire stroke of the valve minimizing vibration and wear.

Body: Spheroidal graphite cast iron
EN-GJS-400-18 (EN-JS1025)

Trim: ASTM A213 Type 304 (316 on request)

Plug: Top guide EQP - Linear - Quick Opening
Soft seal , Metal tightness, Stellite face
full port, microflow port, anticavitation, and more.

Yoke: Integral type

DN15 ÷ DN200 PN16/40



TA-Luft

KD10

Top entry globe valve style body construction with a wide range of different single stage trims available. KD10 series combine the advanced modular design and the wide range of actuators to satisfy the needs of the industrial applications.

This serie is designed to control a broad variety of fluids, like steam, water, most of the medium and gases. One of the main features of this serie is the top guided construction which assure a stable plug travel over entire stroke of the valve minimizing vibration and wear.

Body: Carbon steel 1.0619 GP240GH
Stainless steel 1.4408 X5CrNiMo
(other on request)

Trim: ASTM A213 Type 304 (other on request)

Plug: Top guide EQP - Linear - Quick Opening
Soft seal , Metal tightness, Stellite face
full port, microflow port, anticavitation,
and more.

Yoke: Integral type A216 WCB

ANSI STANDARD CONTROL VALVES

1/2" ÷ 8" ANSI 150/300



ATEX

TA-Luft

KA10

Top entry globe valve style body construction which provide a wide range of different single stage trims available. KA10 series combine the advanced modular design with wide range of actuators to satisfy the industrial demand requirements.

This series is designed to control a broad variety of fluids, like steam, water, most of the medium and gases. One of the main features of this series is the top guided construction which assure a stable plug travel over entire stroke of the valve minimizing vibration and wear.

Body: Carbon steel ASTM A216 WCC
Stainless steel ASTM A351 CF8M
(other on request)

Trim: ASTM A213 Type 304 (other on request)

Plug: Top guide EQP - Linear - Quick Opening
Soft seal, Metal tightness, Stellite face
full port, microflow port, anticavitation,
and more.

Yoke: Integral type A216 WCB

1/2" ÷ 8" ANSI 600



ATEX

TA-Luft

KA20

Globe control valve designed to ensure a perfect control of industrial fluid systems with operating pressures up to 105 bar.

Designed according to ANSI standard, KA20 is available in carbon steel (WCC), Stainless Steel (CF8M) and special alloys materials on request (Duplex, Monel, Hastelloy, etc...)

KA20 offers several configurations: reduced bores, anti-noise and anti-cavitation trim to meet all the control needs.

Body: Carbon steel ASTM A216 WCC
Stainless steel ASTM A351 CF8M
(other on request)

Trim: ASTM A213 Type 304 (other on request)

Plug: Top guide EQP - Linear - Quick Opening
Soft seal, Metal tightness, Stellite face
full port, microflow port, anticavitation,
and more.

Yoke: Integral type A216 WCB

CONTROL VALVES

DN15 ÷ DN200 PN16/40



TA-Luft

TM10 MIXING VALVE

The OMC TM10 Series is a three-way globe-style control valve for applications requiring mixing flow in a process control system. The open flow paths and simple construction provide a reliable and easy-to-maintain valve solution. TM10 series could be manufactured with pneumatic or electric actuators to meet all specific requirements of fluid control (water, steam, thermal oil, gas and other liquids) whether compatible with the material used.

Body: Spheroidal graphite cast iron EN-GJS-400-18 (EN-JS1025)
Carbon steel A216 WCC Stainless steel A351 CF8M
(other on request)

Trim: ASTM A213 Type 304
(other on request)

DN15 ÷ DN200 PN16/40



TA-Luft

TD10 DIVERTING VALVE

The OMC TD10 Series is a three-way globe-style control valve for applications requiring diverting flow in a process control system. The open flow paths and simple construction provide a reliable and easy-to-maintain valve solution. TD10 series could be manufactured with pneumatic or electric actuators to meet all specific requirements of fluid control (water, steam, thermal oil, gas and other liquids) whether compatible with the material used.

Body: Spheroidal graphite cast iron EN-GJS-400-18 (EN-JS1025)
Carbon steel A216 WCC Stainless steel A351 CF8M
(other on request)

Trim: ASTM A213 Type 304
(other on request)



HYGIENIC SERIES

"S" Series are control valves for food processing, chemical and cosmetic industry. The valve body is made in stainless steel and special care is taken to avoid dead spots.



ON/OFF PISTON SERIES

An ON-OFF version is available for all OMC Valves range. The Piston actuator has to be feeded with air pressure from 6 bar to 10 bar.



SELF ACTUATED

Pressure reducing valve self actuated, single seat, with bellows balancing system in stainless steel, for steam and no dangerous gases application.



ELECTRIC ACTUATOR

All OMC valves could be actuated by electric actuators with different characteristics like, spring return, ATEX and Exd construction to match all the customer needs.