

*Liquids to Value*



## T.VIS® P-20

Position controller for pneumatic process valves

Made by GEA Tuchenhagen



## T.VIS® P-20 position controller

T.VIS® P-20 is a position controller for pneumatic process valves in the design of T.VIS® M-1 and A-7.

The T.VIS® P-20 position controller now complements the well-established GEA Tuchenhausen VARIVENT® modulating control valves types A and S – so closes a gap in this segment.

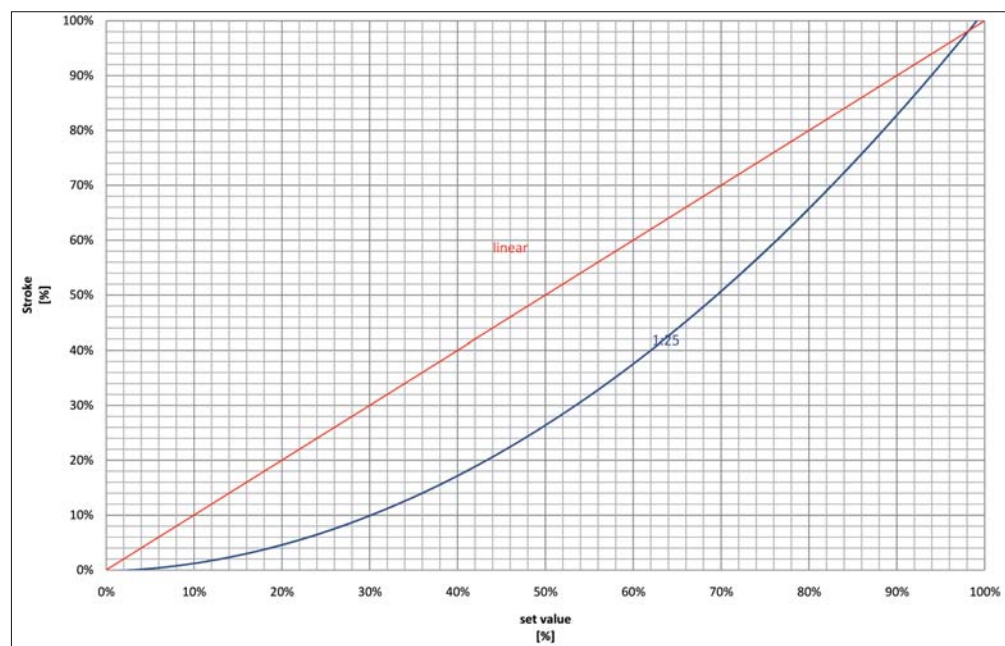
The T.VIS® P-20 position controller in combination with GEA Tuchenhausen single-seat valves is a successful and cost-effective alternative to the proven modulating control valves type A and type S in many applications.

As a member of the T.VIS® control module family the T.VIS® P-20 has the same outer design and allows parameter setting using buttons in the cap. The electrical connections can be established via integrated connectors. Therefore there is no need to open the module for connection or commissioning purposes.



### Use of the T.VIS® P-20:

The T.VIS® P-20 can be fitted on almost all of GEA Tuchenhausen's single-seat and butterfly valves without the need of adaptation. By combining VARIVENT® valves with control cones the characteristic can be adapted to the needed application.



Setpoint function of the P-20






## The benefits at a glance:

- Automatic initialization
- Status LED signaling with 360° illumination
- Deadbands selectable (<1%; <2%; <3%)
- Easy and safe operation
- Manual operation of the process valve
- Feedback of end positions (optional)
- High cost reduction potential

Apart from its excellent performance the T.VIS® P-20 is also characterized by ease of operation and an excellent price/performance ratio.



## The local LED indicator clearly signals the status of the valve

	Yellow LED	OPEN position
	Green LED	CLOSED position
	Blue LED	Position adjusted
	Flashing blue LED	Position not adjusted
	Red LED	Fault / malfunction

These statuses can, of course, also be evaluated in the PLC via the actual value output (provided as a standard feature) as well as via the 3 binary outputs.

## Technical data

Supply voltage	24 V DC
Binary outputs (Closed/Open/Fault)	24 V DC /200 mA
Setpoint input	4 ... 20mA
Actual value output	4 ... 20mA
Control air	max. 8 bar acc. to ISO 8573-1; 2001
Protection class	IP65 / IP67
Ambient temperature	0 ... 50°C
Material	PA / PE-LD / NorylGFN <sub>2</sub> / TPE

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GEA Mechanical Equipment

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