

Inox Control Valve

for sensitive media in the food processing industry

Ideal for controlling
viscous products
containing solid particles
(Yoghurt, fruit preparations, etc.)

Absolutely hygienic

CIP/SIP capability

No product remainders or sticking
of solid particles

Product-saving

High k_v -values

Excellent control characteristic
As an option full linearization
- mechanical or digital using
parameterization software -

Can be completely dismantled
even when welded in place

Reliable, low maintenance and user-friendly

Use of different actuator models according
to customer requirements
(Namur adaptation, DIN ISO 5211)

Extremely high temperature resistance
As an option up to 160° C (320°F)
with peek shutter and ball-bearing
supported selector shaft

Leakage control of moving O-ring seal
to increase product safety

Delivery in all standards
and in a design suitable for pigs

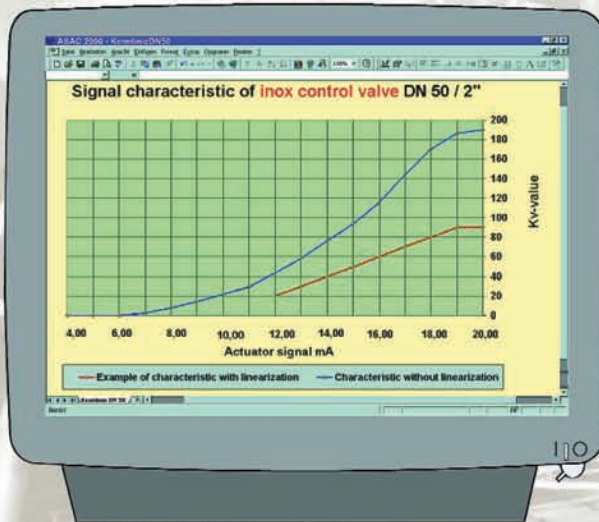
3-A rating acc. to FDA



Leakage control of
moving O-ring seal

Linearization insert

Digital selection of characteristic via Windows software



Inox control valve (DN 25 – DN 150 / 1" – 6") – technical information

Materials

Inox parts in contact with product:	AISI 316L (1.4404)
Shutter:	Hostaflon® (PTFE TFM1600)
O-ring seals:	EPDM, Viton®, other grades upon request

Surfaces

In contact with product:	$Ra \leq 0,8 \mu m$ ($Ra \leq 32 \mu in$)
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Temperature

Operating temperature:	110°C (230°F)	
Short-term:	140°C (284°F)	- optionally up to 160°C (320°F) -

Operating pressure

Pressure behind arc:	10 bar (145 psi)	- optionally up to 15 bar (217,5 psi) -
Pressure against arc:	3 bar (43.5 psi)	- optionally up to 5 bar (72,5 psi) -

Valve connection (2-way)

Welded ends:	DIN, Inch (SMS, ASTM)
Male ends:	DIN 11851, SMS 1145
Clamp connection:	US standard 3A

Actuators

Electrical actuator with positioning control 4-20mA (0-10V), 220-240V / 50/60Hz / IP65

Options

- Mechanical adaptation of characteristic by means of linearization insert or digital selection of characteristic via Windows software
- Shutter material, alternatively glass-fiber reinforced teflon (GL25), Fluorosint® 207, Tecapeek®
- Ball-bearing supported selector shaft
- Heated valve bottom
- Delivery and adaptation to electric and electropneumatic actuators of different manufacture (per NAMUR / DIN ISO 5211)

For further technical information please contact:



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