

CHAPTER 9 CONTROL TOPS

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CONTACT-FREE INDUCTIVE VALVE POSITION MEASURING (TEACH FUNCTION)

- / status display luminated in colour
- / integrated control air supply to the actuator
- / field bus port AS-interface, DeviceNet, IO-Link or Bürkert system bus (büS)
- / with ATEX-option: II 3 G Ex ec IIC T4 Gc X
- II 3 D Ex tc IIIC T135°C Dc X

INNOVATION
& TECHNOLOGY

AVAILABLE MODELS FOR THE FLOWSTAR CONTROL TOP

e.g.: **RT-24-0-0-Ex-T4**

Connection variants	cable length	solenoid valve	Compliances*	Special model*
24 24 V DC	0 cable gland M16 x 1,5 (without cable)	0 without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch	Ex Atex	T4 with 4 position indications (N4)
AS AS-I Bus	15 15 cm cable	1 1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch	UL UL certified	
IO IO-Link (Port Class A)	80 80 cm cable	2 2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch	Ex-UL Atex + UL	
IP Ethernet IP		3 3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch	0 without Atex in case of special model	

*the last two fields to be left empty if not applicable. **Please note:** special model T4 without compliances; field for compliance with indicator "0"

FLOWSTAR



Rieger Control Top FlowStar

This new control top has been developed between AWH and Rieger in collaboration with Bürkert. It serves as a custom-fit solution for our in-house hygienic and aseptic process valves to achieve an even more efficient and precise application.

The well-established contact-free position measuring with three proximity switches (Teach-In function) has also been implemented here.

FlowStar is available in the models 24 V DC, AS-I bus, IO-Link (Port Class A) or Ethernet IP.

CONSTRUCTION

- / with integrated adaptor
- / adaptable for all valve types
- / convertible for valves with Bürkert 8681 control tops
- / Cap can be shut with a seal

SERVICEABILITY

- / more process information available and even faster data readout for service technicians with the IO-Link model
- / IO-Link and Ethernet IP offer ideal circumstances for predictive maintenance
- / possible remote diagnosis or maintenance

EFFICIENCY

- / faster and cost-effective setup using the IO-Link model
- / digitalization of your plant to reduce cost of expensive analogue components

OPERATING SAFETY

- / high system availability utilizing continuous industrial communication



In case of any questions or for a product presentation on your premises please contact our sales team. Simply scan the QR code and you will be forwarded to our contact form.



Rieger Control Top FlowStar, 24 V DC

for pneumatic valves

Reference Number	Model with cable gland M16 x 1,5 (without cable)	kg	Price
RT-24-0-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves only position indication	0,9	on request
RT-24-0-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-24-0-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator air/air	0,9	on request
RT-24-0-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for mix proof valves	0,9	on request

Reference Number	Model with 15 cm cable with multi-pole connection (M12 plug according to IEC 61076-2-101, 12-pole)	kg	Price
RT-24-15-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves only position indication	0,9	on request
RT-24-15-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-24-15-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator air/air	0,9	on request
RT-24-15-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for mix proof valves	0,9	on request

/ For more detailed descriptions: see Bürkert operating instructions.
 / Mounting kit integrated in Control Top – no separate mounting kit necessary.
 Exception for LCV valves, ESV valves <DN 25/1" and N13
 / not discountable

Rieger Control Top FlowStar, AS-I Bus

for pneumatic valves

Reference Number	Model with 15 cm cable with multi-pole connection (M12 plug according to IEC 61076-2-101, 4-pole)	kg	Price
RT-AS-15-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves only position indication	0,9	on request
RT-AS-15-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-AS-15-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator air/air	0,9	on request
RT-AS-15-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for mix proof valves	0,9	on request

Reference Number	Model with 80 cm cable with multi-pole connection (M12 plug according to IEC 61076-2-101, 4-pole)	kg	Price
RT-AS-80-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves only position indication	0,9	on request
RT-AS-80-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-AS-80-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator air/air	0,9	on request
RT-AS-80-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for mix proof valves	0,9	on request

/ For more detailed descriptions: see Bürkert operating instructions.
 / Mounting kit integrated in Control Top – no separate mounting kit necessary.
 Exception for LCV valves, ESV valves <DN 25/1" and N13
 / not discountable

Rieger Control Top FlowStar, IO-Link (Port Class A)

for pneumatic valves

Reference Number	Model with cable gland M16 x 1,5 (without cable)	kg	Price
RT-IO-0-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves only position indication	0,9	on request
RT-IO-0-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-IO-0-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator air/air	0,9	on request
RT-IO-0-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for mix proof valves	0,9	on request

Reference Number	Model with 15 cm cable glands and multi-pole connection (M12 connection in accordance with IEC 61076-2-101, 4-pole (port class A))	kg	Price
RT-IO-15-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves only position indication	0,9	on request
RT-IO-15-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-IO-15-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for single seat valves with actuator air/air	0,9	on request
RT-IO-15-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, e.g. for mix proof valves	0,9	on request

/ For more detailed descriptions: see Bürkert operating instructions.
 / Mounting kit integrated in Control Top – no separate mounting kit necessary.
 Exception for LCV valves, ESV valves <DN 25/1" and N13
 / not discountable

Rieger Control Top FlowStar, Ethernet IP

for pneumatic valves

Reference Number	Model with cable gland M16 x 1,5 (without cable)	kg	Price
RT-IP-0-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, cable gland M16 x 1,5 (without cable) e.g. for single seat valves only position indication	0,9	on request
RT-IP-0-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, cable gland M16 x 1,5 (without cable) e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-IP-0-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, cable gland M16 x 1,5 (without cable) e.g. for single seat valves with actuator air/air	0,9	on request
RT-IP-0-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, cable gland M16 x 1,5 (without cable) e.g. for mix proof valves	0,9	on request

Reference Number	Model with 80 cm cable with cable gland and multi-pole connection (M12 plug according to IEC 61076-2-101, 5-pole)	kg	Price
RT-IP-80-0	without solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, 80 cm cable e.g. for single seat valves only position indication	0,9	on request
RT-IP-80-1	1 solenoid valve, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, 80 cm cable e.g. for single seat valves with actuator NC or NO	0,9	on request
RT-IP-80-2	2 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, 80 cm cable e.g. for single seat valves with actuator air/air	0,9	on request
RT-IP-80-3	3 solenoid valves, 3 internal proximity switches + 1 outlet for external proximity switch, Ethernet IP, 80 cm cable e.g. for mix proof valves	0,9	on request

/ For more detailed descriptions: see Bürkert operating instructions.
 / Mounting kit integrated in Control Top – no separate mounting kit necessary.
 Exception for LCV valves, ESV valves <DN 25/1" and N13
 / not discountable

Adapter-Kits for LCV Valves

for Control Top FlowStar

DN DIN/Inch	Reference Number	Valve Type	kg	Price
DN 25 DIN / 1"	RT-AD-020	LCV valves	<1	on request
DN 40 – 50 DIN / 1,5" – 2"	RT-AD-021	LCV valves	<1	on request
DN 65 – 100 DIN / 2,5" – 4"	RT-AD-022	LCV valves	<1	on request

Gasket Kits for LCV Valves

for Control Top FlowStar

DN DIN/Inch	Reference Number	Valve Type	kg	Price
DN 25 DIN / 1"	50010104	LCV valves	<1	on request
DN 40 – 50 DIN / 1,5" – 2"	50010104	LCV valves	<1	on request

Adapter-Kit for ESV Valves

for Control Top FlowStar

DN DIN/Inch	Reference Number	Valve Type	kg	Price
DN 10 – 20 DIN / 1/2" – 3/4"	RT-AD-001	ESV valves	<1	on request

Adapter-Kit for N13

for Control Top FlowStar

DN DIN/Inch	Reference Number	Valve Type	kg	Price
DN 40 DIN / 1 1/2"	on request	Mix Proof Valves N13 – Hybrid	<1	on request
DN 50 – 80 DIN / 2" – 3"	RT-AD-012	Mix Proof Valves N13 – Hybrid	<1	on request
DN 100 DIN / 4"	on request	Mix Proof Valves N13 – Hybrid	<1	on request

Gasket Kits for N13

for Control Top FlowStar

DN DIN/Inch	Reference Number	Valve Type	kg	Price
DN 40 DIN / 1 1/2"	on request	Mix Proof Valves N13 – Hybrid	<1	on request
DN 50 – 80 DIN / 2" – 3"	1002089	Mix Proof Valves N13 – Hybrid	<1	on request
DN 100 DIN / 4"	on request	Mix Proof Valves N13 – Hybrid	<1	on request



Control Top Type 8692 and 8694 (positioner)

Digital electro-pneumatic positioner for the integrated attachment to process regulating valves.

- / compact stainless steel design
- / with graphic display including background illumination (8694 without display)
- / very simple start-up directly at control top 8692 by display, 8694 by PLC
- / wide-ranging software functions
- / integrated control air leading into the actuator

Further details see website company Bürkert www.buerkert.com.

Control Top Type 8692 with display

for pneumatic control/regulating valves

DN	Reference Number	Type	Description	mA/ASI	kg / lb	Price
DN 25-65	3008692-001	00306918	single-acting, cable gland	4-20 mA	0,9 / 2	on request
DN 25-65	3008692-007	00307030	single-acting, multipole, plug-in connector	4-20 mA	0,9 / 2	on request
DN 80-100	3008692-011	00307042	single-acting, plug-in connector	4-20 mA	0,9 / 2	on request
DN 80-100	3008692-014	00307043	single-acting, multipole, plug-in connector	4-20 mA	0,9 / 2	on request

/ without mounting set – upon separate order
/ not discountable

Control Top Type 8694 without display (positioner)

for pneumatic control/regulating valves

DN	Reference Number	Type	mA/ASI	kg / lb	Price
DN 25-65	3008694-001*	00227417	4-20 mA	0,9 / 2	on request
DN 80-100	3008694-002*	00227437	4-20 mA	0,9 / 2	on request
DN 25-65	3008694-003	00239611	ASI	0,9 / 2	on request
DN 80-100	3008694-007	00239612	ASI	0,9 / 2	on request

* Type 00227417 and 00227437 are only available for a limited time.

/ without mounting set – upon separate order
/ not discountable

Mounting Sets

for Control Top Type 8692 and 8694

DN	Reference Number	Valve Type	kg / lb	Price
DN10-DN20 DIN <1"	5008692-001	single seat valves	1,1 / 2,4	on request
DN25-DN40 DIN 1"-1 1/2"	5008692-002	single seat valves	1,1 / 2,4	on request
DN50 DIN 2"	5008692-004	single seat valves	1,2 / 2,6	on request
DN65-DN100 DIN 2 1/2"-4"	5008692-003	single seat valves	1,2 / 2,6	on request

/ not discountable