

Stainless Steel, DIN-Flange, DN15 - DN50, PN 16



Advantages / Benefits

- ▶ **Ultra compact design**
 - Low weight
- ▶ **Automatic self-adjustment of basic parameters by finger tip control**
- ▶ **Integrated, cascaded process controller with parameter definable PID-algorithm**
- ▶ **User-friendly operation**
 - LCD and key pad
 - Clear menu-guided control
 - Code-protection against unauthorized access
- ▶ **High operating safety**
 - Maintenance-free packing glands
- ▶ **CE certified**

Design

Type 2632 is a control valve with an electropneumatically operated positioner which offers the main functional groups position sensor, electropneumatic control system and micro-processor controlled electronics.

The position sensor which, depending on the specific coupling, is located in or outside of the positioner, measures the actual regulating distance of the continuous valve.

The micro-processor controlled electronics continuously compares this actual value to a controller output, pre-defined by the standard signalinput. In case of a control difference, the electro-pneumatic control system corrects the control position. Due to the 4...20 mA standard transmitter input the positioner can also be used as a cascaded process controller for controlled variables such as flow, temperature, pressure, level etc.

- Programmable flow curves:
 - linear, equal percentage
 - freely programmable via restart points
- No control air consumption in stabilized condition
- Common exhaust via G1/8 port connection
- Pipe free coupling to Burkert position control valves
- Various connection options to stroke and part-turn valve actuators
- Excellent flow characteristic combined with high flow rates



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Applications

Positioning of pneumatically operated continuous valves

- Textile dyeing and bleaching
- Food processing
- Chemical process industrie
- Water treatment
- Mechanical engineering

burkert
Easy Fluid Control Systems

Technical Data Positioner Type 1067

Electrical Data

Voltage supply:	24 V DC
Power consumption:	< 10 W
Signal input for positioner:	Unit signal: 4 ... 20 mA 0 ... 20 mA 0 ... 10 V
Binary input:	Configurable as normally open or closed contact.
Connection:	Clamping screw 1,5 mm Cable gland 2 x PG 9

Pneumatic Data

Instrument air:	Air, filtered compressed air, lubricated or non-lubricated
Pressure range:	0 ... 6 bar
Air performance	
Air inlet valve:	33 (66) NI/min ⁽¹⁾
Exhaust valve:	38 (76) NI/min ⁽¹⁾
	⁽¹⁾ In case of pressure drop from 6 to 5 bar. (Figures in brackets as option).
Internal air consumption in leveled status:	0 NI/min
Connection:	Internal screw thread G 1/8"

Installation and Operation Data

Overall dimensions of positioner	(B x H x T): 125 mm x 80 mm x 77 mm
Body material:	Aluminium, laquered
Fluid plate material:	Aluminium, anodized
Weight of positioner:	approx. 1 kg
Rating:	IP 65
Operating temperature:	0 ... 60 °C

Technical Data Control Valve 2632

Valve

Size (DN):	15, 20, 25, 32, 40, 50
Rangeability:	Control range ≥50:1
Flow features:	Modified equal percentage
Flow capacity:	see table page 4
Medium temperature:	-10°C...+180°C
Max. Operating pressure:	16 bar (at ambient temperature)

Actuator

Actuator size (ø mm):	see table page 3
Signal (bar):	Air min. 5.5 bar, air max. 7 bar
Function:	Normally closed under spring force. Flow-direction under seat.

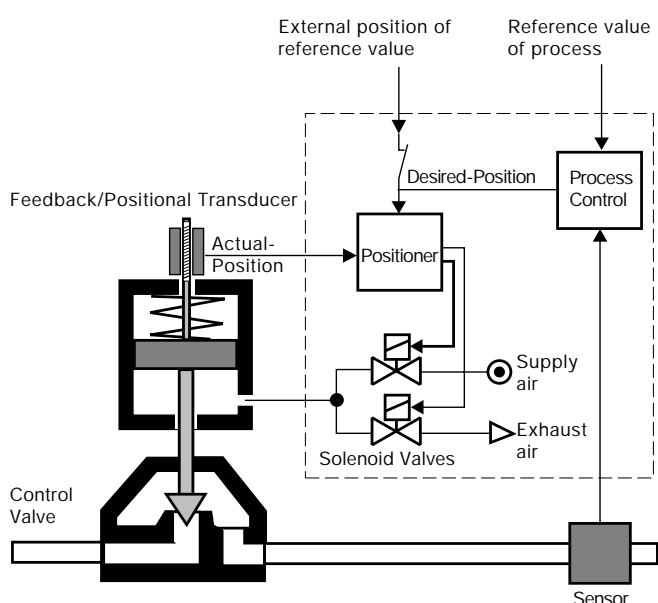
Tightness

According to ANSI B 16-104 Class IV (St.St. seat and St.St. seal)

Material

Valve body:	1.4581 St. steel (body) 1.4404 St. steel (flange)
Plug and stem:	1.4401 Stainless steel or 1.4401 St. Steel and PTFE
Pin:	1.4401 Stainless steel
Valve bonnet:	1.4401 Stainless steel
Actuator:	PA
Packing glands:	PTFE
Packing box:	1.4401 Stainless steel

Functional Diagram



50% more economical than conventional control valves

Ordering Chart

Orifice DN [mm]	Actuator- size [mm]	Max. operating pressure [bar]	Seal	Weight [kg]	Flange DIN [ømm]	Item-No.
15	63	16.0	S.St./S.St.	4.2	95	425 312 L
			S.St./PTFE		95	423 645 Y
20	63	16.0	S.St./S.St.	4.9	105	425 313 M
			S.St./PTFE		105	423 646 Z
25	80	16.0	S.St./S.St.	6.5	115	425 314 N
			S.St./PTFE		115	423 647 S
32	80	16.0	S.St./S.St.	8.9	140	425 315 P
			S.St./PTFE		140	423 648 B
40	100	12.5	S.St./S.St.	10.8	150	425 316 Q
			S.St./PTFE		150	423 649 C
50	100	10.0	S.St./S.St.	13.1	165	425 317 R
			S.St./PTFE		165	423 650 H

Easy Pressure Control
Flow Control
Temperature Control

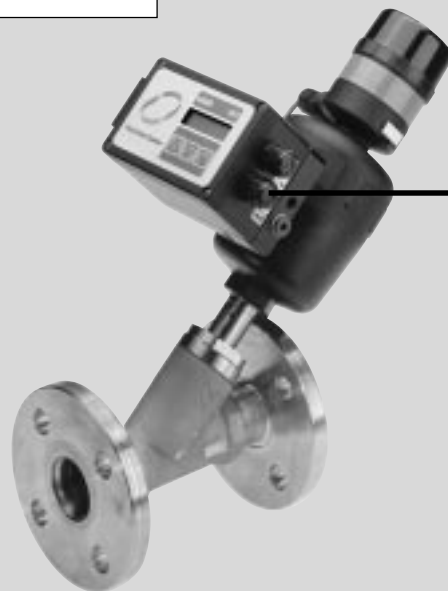
Easy to commission

Automatic self-adjustment of basic parameters by finger tip control

Easy to operate

User-friendly operation

- LCD and key pad
- Menu guided access
- Programmable characteristic curves



Burkert
Link

Easy to install

Compact design

- Delivered pre-mounted, tested and ready to install
- Requires less space than conventional control valves

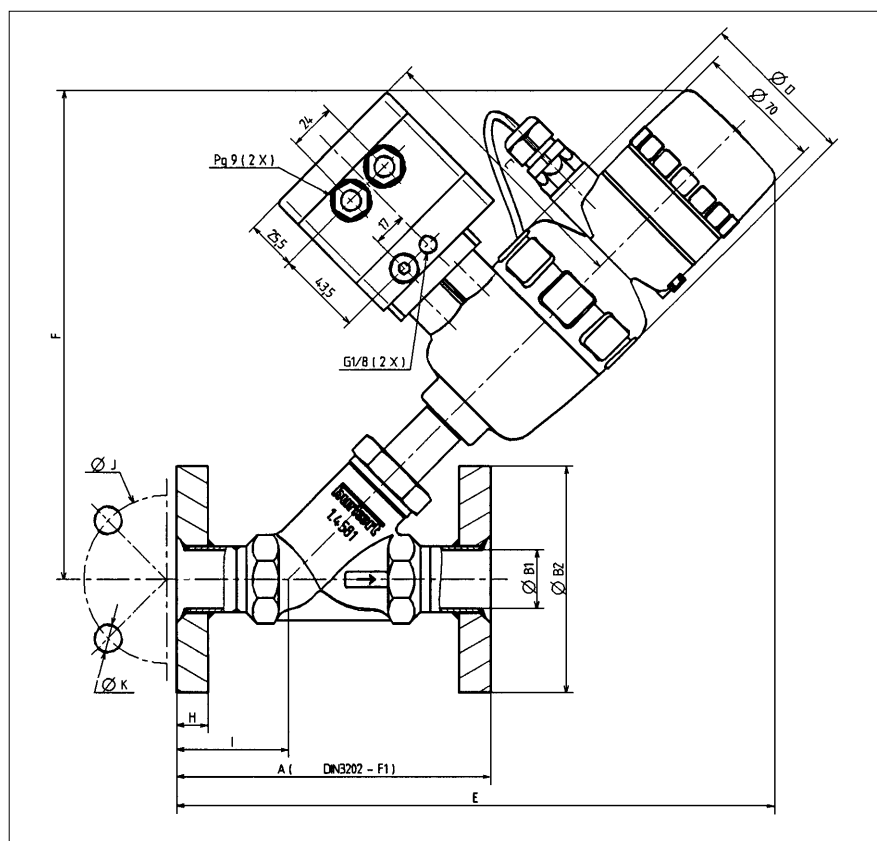
Easy to operate



Burkert control valve with Burkert digital flow transmitter for continuous process control.

Specifications - Flow Capacity

Plug travel [%]	Kv-value [water m³/h]					
	DN13	DN20	DN25	DN32	DN40	DN50
0	0.00	0.00	0.00	0.00	0.00	0.00
10	0.07	0.13	0.40	1.00	1.90	3.00
20	0.15	0.32	1.10	2.60	5.60	9.00
30	0.28	0.80	2.10	5.10	10.10	16.00
40	0.44	1.60	3.60	8.60	17.20	26.00
50	0.66	2.60	6.10	13.80	24.10	35.00
60	1.02	3.70	9.30	19.00	29.20	42.00
70	1.54	4.80	11.90	21.00	33.50	49.00
80	2.17	5.80	13.50	22.00	35.50	55.00
90	3.01	7.00	14.20	23.00	36.80	58.00
100	3.80	7.30	14.50	23.50	37.00	60.00

Dimensions [mm]


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Variable dimensions [mm]

DN	Actuator size	A	B1	B2	C	D	E	F	H	I	J	K
13	63	130	18.1	95	139	80	287	243	14	44.0	65	14
20	63	150	23.7	105	139	80	303	246	16	56.5	75	14
25	80	160	29.7	115	147	101	325	267	16	57.5	85	14
32	80	180	38.4	140	147	101	346	273	16	67.0	100	18
40	100	200	44.3	150	160	127	417	325	16	70.0	110	18
50	100	230	55.1	165	160	127	447	339	18	77.0	125	18