

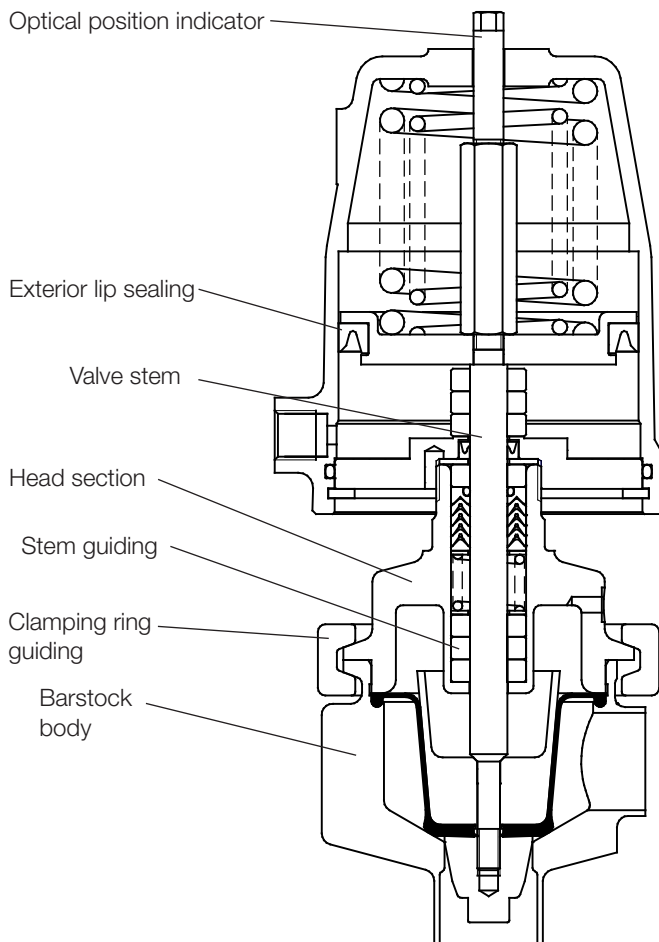
Aseptic Right Angle Valve 6011

SCHUBERT & SALZER
**CONTROL
SYSTEMS**

DN 15 up to DN 40 PN 16
for the pharmaceutical and food industry

Pneumatic valve in right angle design for applications in pharmaceutical and food industry.

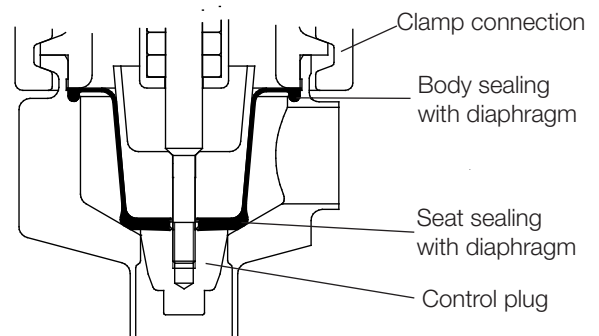
- Compact design
- Body made from non-porous barstock material
- For temperatures from -20°C up to +135°C
- Working pressure up to 16 bar
- Diaphragm actuator



Options

e.g.:

- limit switches
 - inductive proximity switches
 - pneumatic switches
- pilot valves
- manual override



**Soft sealing with
EPDM diaphragm**

Technical Information

Body material	Stainless steel 1.4435
Nominal sizes	DN 15, DN 25, DN 40 (DN20 in inch)
Connections	Welding ends DIN11850, series 2 Welding ends acc. ISO Welding ends acc. Inch Tri-clamp acc. Inch
Nominal pressure	PN 16
Body sealing	EPDM diaphragm FDA Silicon diaphragm USP cl. IV
Fluid temperature	-20°C bis +135°C EPDM / -20°C bis +135°C silicon
Sterilisation temperature	max. 150°C up to 30 min. EPDM
Ambient temperature	-20°C up to +75 °C
Surface finish	inside polished, Ra < 0,6 µm electropolished, Ra < 0,4 µm electropolished, Ra < 0,25 µm

Pilot- and Operating Pressure normally closed, closing against the flow

Nominal size	max. Operating pressure (differential pressure) bar	Pilot pressure bar	Piston mm	Springs
DN15 up to DN25	5	3,5 - 10	80	1
DN15 up to DN25	7	4,4 - 10	80	2
DN15 up to DN25	10	2,2 - 10	125	2
DN15 up to DN25	14	3,1 - 10	125	3
DN15 up to DN25	16	2,2 - 6	250	6
DN40	5	2,2 - 10	125	2
DN40	8	3,1 - 10	125	3
DN40	11	2,2 - 6	250	6
DN40	14	2,8 - 6	250	8

Standard

Kvs- Values

characteristic	linear				equal percentage			
	15	20	25	40	15	20	25	40
full	4	4	10	25	4	4	10	20
reduced (63 %)	2,5	2,5	6,3	16	2,5	2,5	6,3	15
reduced (40 %)	1,6	1,6	4	-	1,6	1,6	4	-
reduced (25 %)	1	1	2,5	-	-	-	2,5	-
reduced (16 %)	0,63	0,63	1,6	-	-	-	1,6	-
reduced (10 %)	0,4	0,4	1	-	-	-	-	-
reduced (6,3 %)	-	-	0,63	-	-	-	-	-
reduced (4 %)	-	-	0,4	-	-	-	-	-
stroke (mm)	16							

DN20 only in inch available

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Materials

Valve body	stainless steel 1.4435
Actuator	stainless steel 1.4408 (optional plastic)
Diaphragm actuator	stainless steel 1.4301
Actuator springs	stainless steel 1.4310
Valve stem	stainless steel 1.4404, roller burnished
Control plug	stainless steel 1.4435
Clamp-connection	stainless steel 1.4308
Body sealing	EPDM (diaphragm) / silicone (diaphragm)
Seating seal	EPDM (diaphragm) / Silicon (diaphragm)
Position indicator	polyamid

Ordering Number System

6	0	1	1	/				V										S
Type				Size		Symbol: "V": Valve "A": Actuator (valve without body) "R": Repair kit (sealings)												

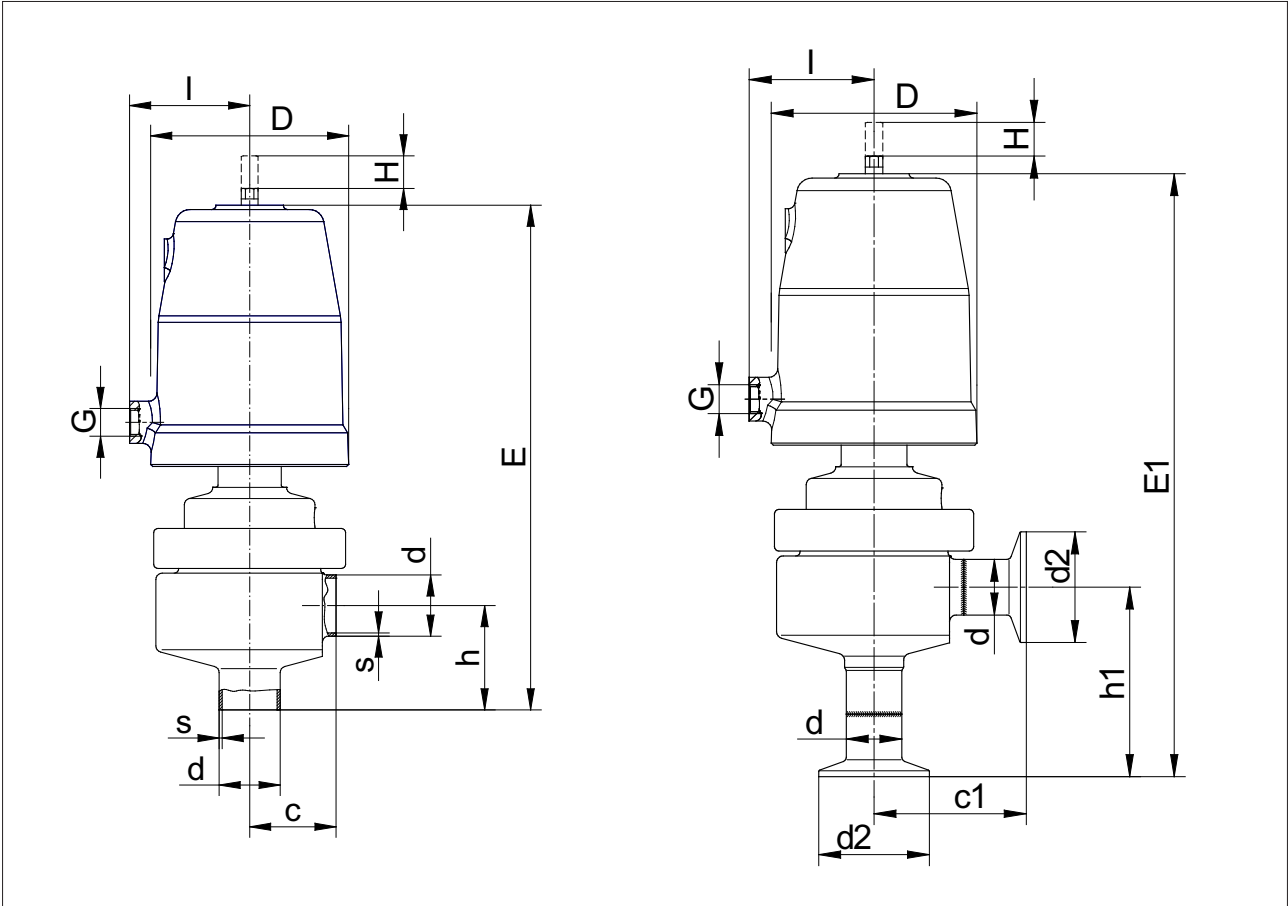
1 - 6 : Please quote all 6 sections.
7 - 13: Quote only if required.

1. Design	2. Connections	3. Body material	4. Seating seal	5. Pilot function	6. Actuator	7. Springs
A Aseptic right angled valve	D welding ends acc. DIN 11850, series 2 I welding ends acc. ISO E welding ends acc. Inch Z Tri-clamp acc. Inch	7 stainless steel 1.4435 surface roughness inside Ra < 0,6 µm	O silicone (silicone diaphragm FDA-approval) E EPDM (EPDM-diaphragm) F EPDM (EPDM-diaphragm FDA-approval)	2 NC (closing against flow)	1 piston Ø80mm (stainless steel bonnet) 2 piston Ø125mm (stainless steel bonnet) M piston Ø80mm (plastic bonnet) C diaphragm A250 cm²	- standard (2 springs) 1 1 spring 3 3 springs (A250) T 6 springs (A250) W 8 springs (A250)
8. Characteristic	9. Packing	10. Kvs-Value	11. Accessoires	12. Further special versions	13. Bonnet	
- linear 1 equal percentage	- here without significance	- 100% A red. 63 % 1 red. 40 % 2 red. 25 % 3 red. 16 % 4 red. 10 % 5 red. 6,3 % 6 red. 4 %	- without	S State, if further sections are quoted	1 bonnet in stainless steel burnished	

Ordering example: 6011/015VAD7F21
Aseptic right angled valve Type 6011, DN 15, welding ends acc. DIN 11850, stainless steel body 1.4435 Ra < 0,6 µm , EPDM-diaphragm (FDA approval), spring to close, piston 80 mm

Aseptic Right Angle Valve 6011

Dimensions and Weights, piston actuator



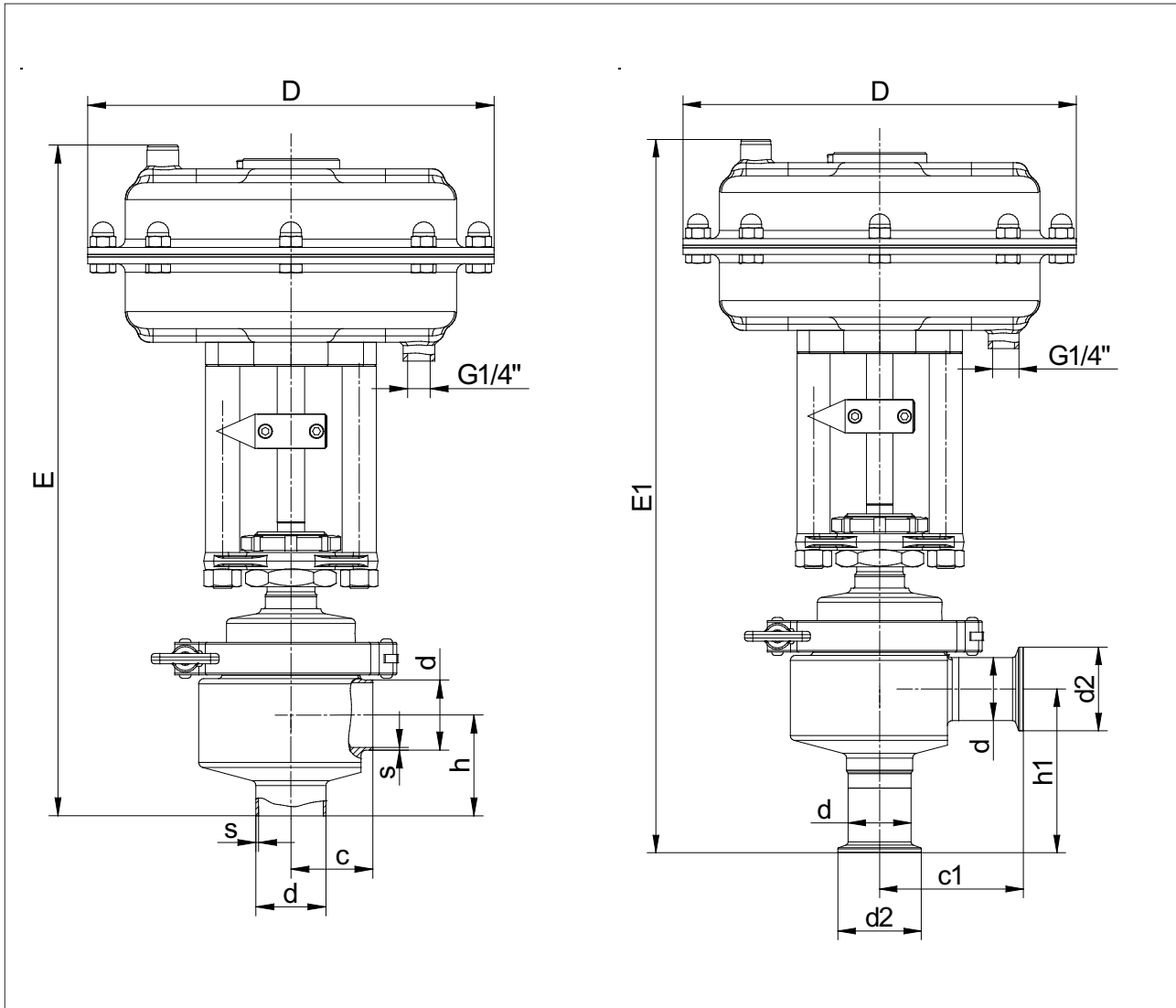
DN	Piston Ø	D	G	DIN DIN 11850 series 2				ISO				Inch				I	H	E	Kvs value	Weight (~kg)
				d	s	h	c	d	s	h	c	d	s	h	c					
15	80	96	1/4"	19	1,5	43	54,5	21,3	1,6	43	53,5	12,7	1,65	43	57	80	16	240	5,5	3,5
20	80	96	1/4"	-	-	-	-	-	-	-	-	19,05	1,65	43	54,5	80	16	240	5,5	3,5
25	80	96	1/4"	29	1,5	41	49,5	33,7	2	41	47	25,4	1,65	41	51	80	16	240	18,5	4,0
25	125	146	1/4"	29	1,5	41	49,5	33,7	2	41	47	25,4	1,65	41	51	105	16	266	18,5	6,7
40	125	146	1/4"	41	1,5	48	59	48,3	2	48	55	38,1	1,65	48	60	105	16	283	38,0	8,0

DN	Piston Ø	D	G	Tri-Clamp				acc.	E1	H stroke	I
				d	d2	c1	h1				
15	80	96	1/4"	12,7	25	56	85,5	269	16	80	
20	80	96	1/4"	19,05	25	56	83	269	16	80	
25	80	96	1/4"	25,4	50,5	74,5	79,5	269	16	80	
25	125	146	1/4"	25,4	50,5	74,5	79,5	295	16	105	
40	125	146	1/4"	38,1	50,5	87	99	322	16	105	

Dimensions in mm

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Dimensions and Weights, diaphragm actuator



DN	Piston Ø	D	DIN DIN 11850 series 2				ISO				Inch				H stroke	E	Kvs value	weight (~kg)
			d	s	h	c	d	s	h	c	d	s	h	c				
15	250	96	19	1,5	43	54,5	21,3	1,6	43	53,5	12,7	1,65	43	57	16	375	5,5	11,5
20	250	96	-	-	-	-	-	-	-	-	19,05	1,65	43	54,5	16	375	5,5	11,5
25	250	146	29	1,5	41	49,5	33,7	2	41	47	25,4	1,65	41	51	16	375	18,5	14,7
40	250	146	41	1,5	48	59	48,3	2	48	55	38,1	1,65	48	60	16	395	38,0	16,0

DN	Piston Ø	D	Tri-Clamp			acc. h1	E1	H stroke
			d	d2	c1			
15	250	240	12,7	25	56	85,5	405	16
20	250	240	19,05	25	56	83	405	16
25	250	240	25,4	50,5	74,5	79,5	405	16
40	250	240	38,1	50,5	87	99	435	16

Dimensions in mm

Text and pictures are not binding. We reserve the right, to alter the equipment.