

# High Temperature Valve 8024

## with integrated positioner GS 3 series DN15 up to DN250

### Pneumatic control valve with integrated positioner for the control of neutral through to highly aggressive media

- Space saving wafer type construction
- Lowest possible weight
- Quiet operation
- Fast response time
- Control of high differential pressures with small actuators
- Greatly reduced energy consumption rates due to short strokes and low actuating forces on the throttle element
- High Kvs-(Cv)-values

### Technical Information

Body design	Flangeless, wafer-type construction		
Nominal sizes	DN 15 to DN 250		
Nominal pressure for flanges with facing type B	PN 40 (fits also to PN 10-25)	DN 15 - DN 150	
	PN 100	DN 15 - DN 80	
	PN 16	DN 200 - DN 250	
Nominal pressure acc. ANSI for flanges acc. ASME B 16.5 RF	ANSI 150	DN15 - DN 250	
	ANSI 300	DN 15 - DN 150	
	ANSI 600	DN 15 - DN 80	
Nominal pressure acc. JIS for „raised face“ flanges	10 K	DN 15 - DN 50	
	20K	DN 15 - DN 40	
Supply air pressure	max. 6 bar		
Media temperature	-60°C up to +450°C for function unit Carbon-stainless steel -60°C up to +450°C for function unit STN2 -60°C up to +300°C for function unit SFC up to +530°C with stainless steel body, Inconel 625 bellows and STN 2 function unit		
Ambient temperature	-30°C up to +100°C		
Rangeability	40 : 1		
Leakage rate (% of Kvs-value)	Function unit: carbon-stainless steel	Function unit: SFC	Function unit: STN2
	< 0.0001	< 0.001	< 0.001

\* Please consider the limitation of use of the positioner!

Kvs-values see data sheet 8001.

### Materials

Valve body	stainless steel 1.4571 / 1.4581 or 1.4404 / 1.4408	carbon steel 1.0619
Head section	stainless steel 1.4571 or 1.4404 / 1.4408	
Diaphragm casing	aluminium, KTL-coated	
Actuator springs	stainless steel 1.4310	
Packing	carbon-filled PTFE (1.4310)	
Valve stem	stainless steel 1.4571, roller burnished	
Fixed disc	stainless steel, stellite coated	STN2-disc
Sliding disc	special carbon material	SFC-disc (max. +300°C) STN2-disc

### Positioner

For technical information of our positioners please refer to the corresponding data sheets.



**Packing tested according to TA-Luft as defined in DIN EN ISO 15848-1 and VDI 2440**

### Options

- Metal bellow
- External i/p-converter
- Positioner (also EEx ib IIC T6)

# High Temperature Valve 8024-GS3

with integrated p/p and i/p positioner, Type 8047



**Admissible differential pressures**  
**(For temperatures of up to 120°C with PN-rating**  
**up to 38°C with ANSI-rating)**

**For temperatures of 120°C (PN)**  
**or 38°C (ANSI) and above:**  
**obey application limits !**

**Disc pair: carbon - stainless steel coated**  
**SFC - stainless steel coated**

Actuator size (cm²)	125 cm²				250 cm²				500 cm²			
Spring range (bar)	1,5 up to 3,0		1,8 up to 3,8		1,2 up to 2,2		1,5 up to 2,7		1,2 up to 2,2		1,5 up to 2,7	
Supply air (bar)	4		5		3		4		3		4,5	
max. admissible differential pressure (bar)												
DN	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off
15	102	102	102	102	102	102	102	102	-	-	-	-
20	77	77	96	96	102	102	102	102	-	-	-	-
25	57	57	71	71	88 (98)*	88 (98)*	88 (102,1)*	88 (102,1)*	88 (102,1)*	88 (102,1)*	88 (102,1)*	88 (102,1)*
32	42	42	52	58	73	73	88	88	102	102	102	102
40	29	29	36	44	49	49	60	60	88 (102,1)*	88 (102,1)*	88 (102,1)*	88 (102,1)*
50	17	19	21	29	29	29	35	40	60	60	72	72
65	14	16	17	24	24	24	29	34	49	49	59	59
80	8	10	10	15	14	14	17	22	29	29	35	44
100	5	6	6	10	9	9	10	14	18	18	22	28
125	3	4	4	6	6	6	7	9	12	12	14	19
150	2	3	3	5	4	4	5	7	9	9	10	14
200	2	2	2	3	3	3	3	4	5	5	6	8
250	0,9	1,1	1,1	1,8	1,5	1,5	1,9	2,5	3,2	3,2	3,8	5,2
Spring Configuration	Code 3 (Standard)		Code 4		Code 3 (Standard)		Code 4		Code 3 (Standard)		Code 4	

Standard

\*: figures in brackets for  
bodies made of carbon steel

	Upper limits for admissible pressures in bar					
	PN16	PN40	PN100	ANSI150	ANSI 300	ANSI 600
P max. carbon steel	16	40	100	19,6	51,1	102,1
P max. stainless steel				19,0	49,6	99,3

**Disc pair: STN2**

Actuator Size	125 cm²				250 cm²				500 cm²			
Spring Range (bar)	1,5 to 3,0		1,8 to 3,8		1,2 to 2,2		1,5 to 2,7		1,2 to 2,2		1,5 to 2,7	
Supply air (bar)	4		5		3		4		3		4,5	
max. admissible differential pressure (bar)												
DN	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off	Control	On-Off
15	55	55	68	70	95	95	102,1	102,1	102,1	102,1	102,1	102,1
20	37	37	46	53	64	64	78	78	102,1	102,1	102,1	102,1
25	25	26	31	40	43	43	53	55	88 (89)*	88 (89)*	88 (102,1)*	88 (102,1)*
32	17	19	22	30	30	30	36	40	62	62	75	80
40	11	13	14	20	19	19	24	27	40	40	48	58
50	6	8	8	12	11	11	13	17	23	23	27	35
65	5	6	6	10	9	9	11	14	18	18	22	28
80	3	4	4	6	5	5	6	8	11	11	13	17
100	2	2	2	3	3	3	4	5	6	6	8	10
125	-	-	2	2	2	2	3	4	4	4	5	7
150	-	-	1	2	2	2	2	3	3	3	4	5
200	-	-	-	-	-	-	-	-	-	-	-	-
Spring Configuration	Code 3 (Standard)		Code 4		Code 3 (Standard)		Code 4		Code 6 (Standard)		Code 6	

Standard

\*: figures in brackets for  
bodies made of carbon steel

	Upper limits for admissible pressures in bar					
	PN16	PN40	PN100	ANSI150	ANSI 300	ANSI 600
P max. carbon steel	16	40	100	19,6	51,1	102,1
P max. stainless steel				19,0	49,6	99,3

# High Temperature Valve 8024-GS3



with integrated digital positioner, Type 8049

(also on-off valves and valves with other side-mounted positioner)

**Admissible differential pressures**  
**(For temperatures of up to 120°C with PN-rating**  
**up to 38°C with ANSI-rating)**

**For temperatures of 120°C (PN)**  
**or 38°C (ANSI) and above:**  
**obey application limits !**

**Disc pair: carbon - stainless steel coated**  
**SFC - stainless steel coated**

Actuator Size	125 cm <sup>2</sup>		250 cm <sup>2</sup>		500 cm <sup>2</sup>	
	4,5	5,5	3,0	4,0	3,0	4,5
Supply air (bar)	4,5	5,5	3,0	4,0	3,0	4,5
DN	max. admissible differential pressure (bar)					
15	102,1	102,1	102,1	102,1	-	-
20	102,1	102,1	102,1	102,1	-	-
25	88 (102,1)*	88 (102,1)*	88 (102,1)*	88 (102,1)*	-	-
32	88	102,1	102,1	102,1	-	-
40	67	83	88 (102,1)*	88 (102,1)*	-	-
50	44	54	75	91	102,1	102,1
65	37	45	63	76	80	80
80	23	29	40	48	48	48
100	15	16	25	31	33	33
125	10	11	17	21	23	23
150	7	8	13	15	16	16
200	4	5	7	9	15	16
250	2,7	3,4	4,6	5,6	9,5	10,5
Spring Configuration	Code 3 (Standard)	Code 4	Code 3 (Standard)	Code 4	Code 6 (Standard)	Code 8

**Standard**

\*: figures in brackets for  
bodys made of carbon steel

	Upper limits for admissible pressures in bar					
	PN16	PN40	PN100	ANSI150	ANSI 300	ANSI 600
P max. carbon steel	16	40	100	19,6	51,1	102,1
P max. stainless steel				19,0	49,6	99,3

**Disc pair: STN2**

Actuator size (cm <sup>2</sup> )	125 cm <sup>2</sup>		250 cm <sup>2</sup>		500 cm <sup>2</sup>	
	4,5	5,5	3,0	4,0	3,0	4,5
Supply air (bar)	4,5	5,5	3,0	4,0	3,0	4,5
DN	max. admissible differential pressure (bar)					
15	102,1	102,1	102,1	102,1	-	-
20	81	102,1	102,1	102,1	-	-
25	60	75	88 (102,1)*	88 (102,1)*	88 (102,1)*	88 (102,1)*
32	45	56	77	93	102,1	102,1
40	31	38	53	64	72	72
50	18	22	31	38	64	77
65	15	18	26	31	53	62
80	9	10	15	19	32	36
100	5	6	9	11	19	23
125	3	4	6	7	13	16
150	2	3	4	5	9	11
200	-	-	-	-	-	-
Spring Configuration	Code 3 (Standard)	Code 4	Code 3 (Standard)	Code 4	Code 6 (Standard)	Code 8

**Standard**

\*:figures in brackets for  
bodys made of carbon steel

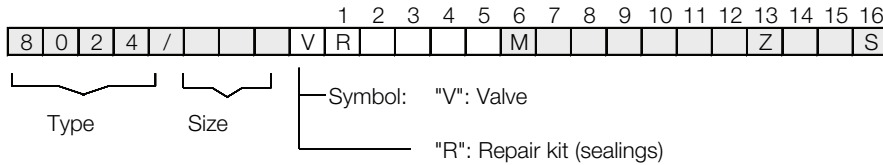
	Upper limits for admissible pressures in bar					
	PN16	PN40	PN100	ANSI150	ANSI 300	ANSI 600
P max. carbon steel	16	40	100	19,6	51,1	102,1
P max. stainless steel				19,0	49,6	99,3

# High Temperature Valve 8024-GS3

with integrated positioner



## Ordering Number System



1 - 5 : Please quote all 5 sections.  
6 - 16: Quote only if required.

1. Valve type	2. Body design	3. Body material	4. Safety function	5. Actuator	6. Special version	7. Springs	8. Stem sealing
R GS-control valve with pneumatic actuator (type 8024)	E GS3 - flangeless design acc. ANSI 150	1 stainless steel 1.4571/ 1.4581 or	0 spring closes 1 spring opens	3 diaphragm actuator 125 cm <sup>2</sup>	M to state if some sections 7 - 16 are quoted nut and nut acc. DIN EN1092-1	- standard 4 8 springs	- PTFE-packing self-adjusting (Standard)
	F GS3 - flangeless design acc. ANSI 300	1.4404/ 1.4408		4 diaphragm actuator 250 cm <sup>2</sup>	A nut and tongue acc. DIN EN1092-1	8 16 springs	1 additional bellow 1.4571
	K GS3 - flangeless design acc. ANSI 600	4 body carbon steel 1.0619, body cover made of stainless steel		5 diaphragm actuator 500cm <sup>2</sup>	C 2x lowered face acc. DIN EN1092-1		3 additional Inconel 625 bellow 2.4856
	G GS3 - flangeless design acc. DIN, PN10-40				E lowered and raised face acc. DIN EN1092-1		
	H GS3 - flangeless design acc. DIN, PN100				H		

9. Moving disc	10. Fixed disc	11. Kvs-Values	12. Flow characteristic	13. Accessories	14. Positioners	15. Signalling equipment	16. Further versions
- carbon	- stainless steel 1.4571, coated	- 100 % (stand.)	- linear	Z state, if in following sections accessories are quoted.	- without 1 p/p positioner Type 8047 3 i/p positioner Type 8047 6 i/p positioner Type 8047 8 i/p positioner with plug conn. M12x1 C digital positioner, Type 8049, 4 wire R digital positioner, Type 8049, 2 wire T digital positioner, Type 8049, AS-i version W digital positioner, Type 8049, 2 wire ex-version	- without 0 2 limit switches M12x1 DC 10-30V PNP	S other special versions have to be quoted in letters
9 STN2	1 STN2 (only in combination with preceding section "9" STN2)	A red. to 63 % 1 red. to 40 % B red. to 25 % 2 red. to 16 % C red. to 10 % 3 red. to 6,3 % 4 red. to 2,5 % 5 red. to 1 % 6 red. to 20% 7 red. to 12% 8 red. to 2% 9 red. to 0,4 %	1 equal-%				
S SFC							

Ordering Example:

8024/050VRG103M-----Z3  
GS3-Control Valve Type 8024 with pneumatic actuator, DN 50, PN 10 - PN 40, body material stainless steel, spring closes, actuator 125 cm<sup>2</sup>, PTFE-V-shaped sealings, function unit: carbon-stainless steel 1.4571 coated, linear characteristic, i/p-positioner

## with integrated positioner

### Application limitations for GS3 valves in stainless steel

These pressure must not be exceeded for GS-valves from the GS3-series made of stainless steel, even though the actuator power might allow it.

Application limits for carbon steel bodys on request.

#### PN40

DN	Sliding unit: carbon/SFC - stainless steel, coated							
	max. admissible pressures for GS3-valves							
	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
15	40	40	40	40	40	40	40	40
20	40	40	40	40	40	40	40	40
25	40	40	40	40	40	40	40	38
32	40	40	40	40	40	40	40	40
40	40	40	40	40	40	40	40	38
50	40	40	40	40	40	40	40	40
65	40	40	40	40	40	40	40	40
80	40	40	40	40	40	40	40	35
100	33	33	33	33	33	33	33	33
125	23	23	23	23	23	23	23	23
150	16	16	16	16	16	16	16	16
200 (only PN16)	16	16	15	13	12	11	10	9
250 (only PN16)	10	9	9	8	7	6	6	5

DN	Sliding unit: STN2									
	max. admissible pressures for GS3-valves									
	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	500°C	550°C
15	40	40	40	40	40	40	40	40	39	27
20	40	40	40	40	40	40	40	40	33	23
25	40	40	40	40	40	40	40	38	26	18
32	40	40	40	40	40	40	40	40	30	21
40	40	40	40	40	40	37	32	29	26	18
50	40	40	40	40	40	40	35	31	28	26
65	40	40	40	40	37	32	28	25	22	21
80	36	34	33	26	22	19	16	14	13	12
100	32	31	30	24	20	17	15	13	12	11
125	21	21	19	16	13	11	10	8	8	7
150	15	15	14	11	9	8	7	6	5	5
200 (only PN16)	-	-	-	-	-	-	-	-	-	-
250 (only PN16)	-	-	-	-	-	-	-	-	-	-

Limitation for SFC-sliding discs: 300°C

#### PN100

DN	Sliding unit: carbon/SFC - stainless steel, coated							
	max. admissible pressures for GS3-valves							
	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
15	100	100	100	93	84	79	74	55
20	100	100	89	81	73	68	64	48
25	88	81	70	63	57	54	51	38
32	100	93	80	73	65	62	58	43
40	88	81	70	63	57	54	51	38
50	100	100	100	100	100	94	87	76
65	80	80	80	79	71	67	63	47
80	48	48	48	48	48	44	41	35

DN	Sliding unit: STN2									
	max. admissible pressures for GS3-valves									
	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	500°C	550°C
15	100	100	100	93	84	79	74	55	39	27
20	100	100	89	81	73	68	64	48	33	23
25	88	81	70	63	57	54	51	38	26	18
32	100	93	80	73	65	60	52	43	30	21
40	72	69	65	53	43	37	32	29	26	18
50	77	73	70	56	46	40	35	31	28	26
65	62	59	56	45	37	32	28	25	22	21
80	36	34	33	26	22	19	16	14	13	12

Limitation for SFC-sliding discs: 300°C

# High Temperature Valve 8024-GS3



with integrated positioner

## ANSI150

Sliding unit: carbon/SFC - stainless steel, coated										
max. admissible pressures for GS3-valves										
DN	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
15-125	19,0	18,4	16,2	14,8	13,7	12,1	10,2	8,4	6,5	4,6
150	16,0	16,0	16,0	14,8	13,7	12,1	10,2	8,4	6,5	4,6
200	16,0	16,0	16,0	14,8	13,7	12,1	10,2	8,4	6,5	4,6
250	10,4	10,4	10,4	9,9	9,4	8,4	7,4	6,8	6,3	4,6

Sliding unit: STN2												
max. admissible pressures for GS3-valves												
DN	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	500°C	550°C
15-125	19,0	18,4	16,2	14,8	13,7	12,1	10,2	8,4	6,5	4,6	2,2	-
150	16,2	16,2	16,2	14,8	13,7	11,8	9,7	8,4	6,5	4,6	2,2	-
200	-	-	-	-	-	-	-	-	-	-	-	-
250	-	-	-	-	-	-	-	-	-	-	-	-

Limitation for SFC-sliding discs: 300°C

## ANSI300

Sliding unit: carbon/SFC - stainless steel, coated										
max. admissible pressures for GS3-valves										
DN	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
15	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
20	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
25	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
32	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
40	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
50	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
65	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
80	48,0	48,0	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8
100	33,0	33,0	33,0	33,0	33,0	33,0	31,6	30,3	29,4	28,8
125	23,0	23,0	23,0	23,0	23,0	23,0	23,0	23,0	23,0	23,0
150	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0	16,0

Sliding unit: STN2												
max. admissible pressures for GS3-valves												
DN	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	500°C	550°C
15	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8	27,6	25,0
20	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8	27,6	23,6
25	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8	26,6	18,6
32	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8	27,6	21,3
40	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8	26,6	18,6
50	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	29,4	28,8	27,6	25,0
65	49,6	48,1	42,2	38,5	35,7	33,4	31,6	30,3	28,4	25,2	22,8	21,4
80	36,6	36,6	36,6	34,8	33,0	26,8	22,0	19,0	16,6	14,7	13,3	12,5
100	33,0	33,0	33,0	31,7	30,1	24,4	20,1	17,3	15,1	13,4	12,2	11,4
125	22,0	22,0	22,0	21,0	19,9	16,1	13,2	11,5	10,0	8,9	8,0	7,5
150	16,0	16,0	16,0	15,4	14,6	11,8	9,7	8,4	7,3	6,5	5,9	5,5

Limitation for SFC-sliding discs: 300°C

## ANSI600

Sliding unit: carbon/SFC - stainless steel, coated										
max. admissible pressures for GS3-valves										
DN	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C
15	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,7	59,8	55,7
20	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,7	59,8	48,3
25	88,0	88,0	84,4	77,0	70,1	63,7	57,3	54,2	51,0	38,0
32	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,7	58,5	43,6
40	88,0	88,0	84,4	77,0	70,1	63,7	57,3	54,2	51,0	38,0
50	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,7	59,8	57,7
65	80,0	80,0	80,0	77,0	71,3	66,8	63,2	60,7	59,8	47,5
80	48,0	48,0	48,0	48,0	48,0	48,0	48,0	44,5	41,1	35,4

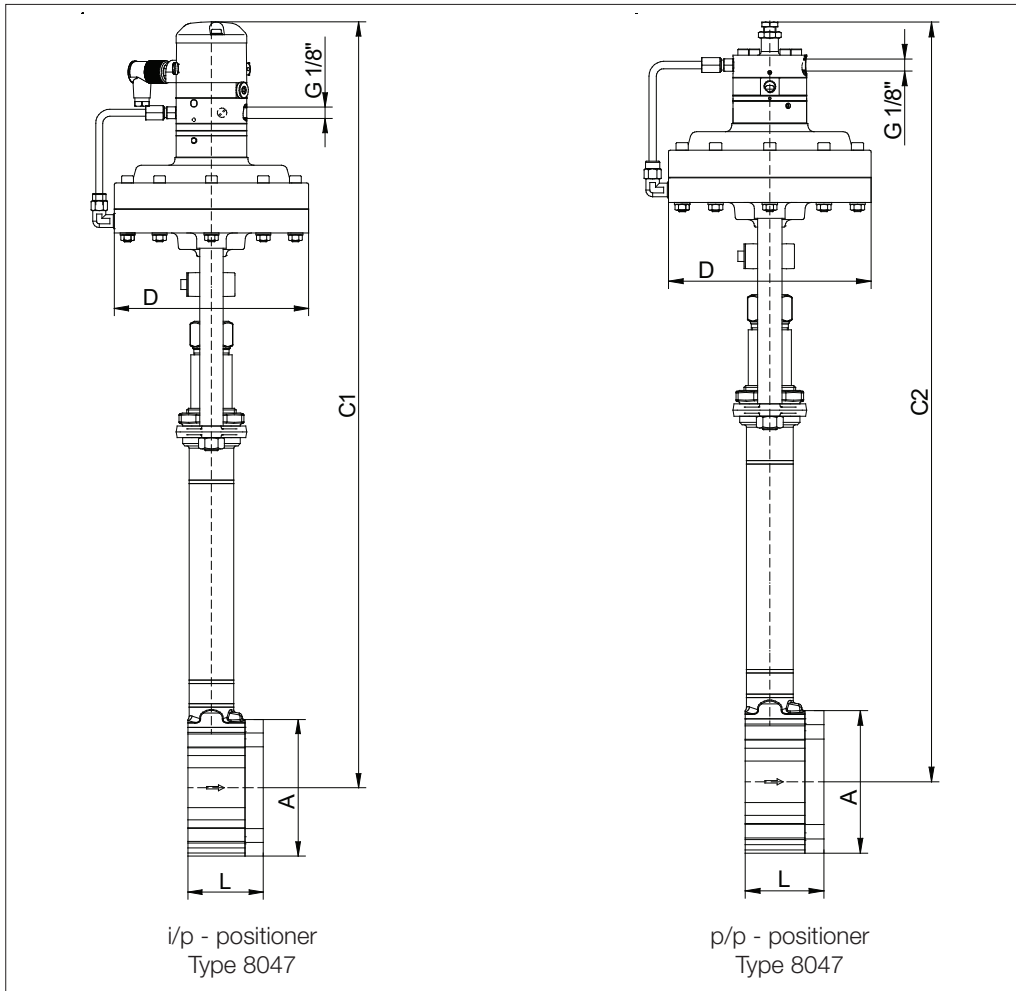
Sliding unit: STN2												
max. admissible pressures for GS3-valves												
DN	38°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	500°C	550°C
15	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,7	59,8	55,7	39,0	27,2
20	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,7	59,8	48,3	33,9	23,6
25	88,0	88,0	84,4	77,0	70,1	63,7	57,3	54,2	51,0	38,0	26,6	18,6
32	99,3	96,2	84,4	77,0	71,3	66,8	63,2	60,2	52,6	43,6	30,5	21,3
40	72,5	72,5	72,5	69,0	65,5	53,1	43,6	37,7	32,9	29,2	26,5	18,6
50	77,7	77,7	77,7	73,9	70,2	56,9	46,7	40,4	35,3	31,3	28,4	26,6
65	62,5	62,5	41,7	59,5	56,4	45,8	37,6	32,5	28,4	25,2	22,8	21,4
80	36,6	36,6	36,6	34,8	33,0	26,8	22,0	19,0	16,6	14,7	13,3	13,3

Limitation for SFC-sliding discs: 300°C

# High Temperature Valve 8024-GS3

with integrated i/p and p/p positioner, Type 8047

## Dimensions and Weights



DN	Ø A	C1 *	C2 *	Ø D for actuator			L	Stroke	Weight (kg) for actuator		
				D 125	D250	D500			D 125	D 250	D 500
15	64	625	590	165	222	222	56	6	8,5	10,7	14,4
20	72	630	595	165	222	222	56	6	8,7	10,9	14,6
25	82	635	600	165	222	222	56	6	9,1	11,3	15,0
32	89	640	605	165	222	222	56	6	9,5	11,7	15,4
40	99	645	610	165	222	222	56	6	9,9	12,1	15,8
50	116	655	620	165	222	222	64	8	11,5	13,7	17,4
65	138	665	630	165	222	222	68	8	13,3	15,5	19,2
80	153	675	640	165	222	222	70	8	14,4	16,6	20,3
100	184	685	650	165	222	222	75	8,5	17,9	20,1	23,8
125	212	700	665	165	222	222	80	8,5	22,1	24,3	28,0
150	242	715	680	165	222	222	80	8,5	25,8	28,0	31,7
200	302	745	710	165	222	222	93	8,5	42,7	44,9	48,6
250	360	770	735	165	222	222	96	8,5	47,9	50,1	53,8

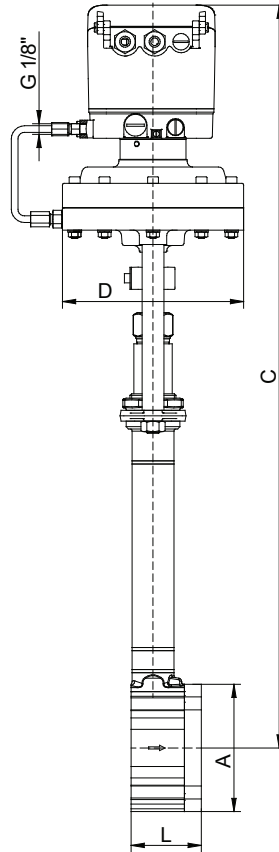
\* for actuator D500 +47,5mm

Dimensions in mm

# High Temperature Valve 8024-GS3

with integrated digital positioner, Type 8049

## Dimensions and Weights



digitaler - positioner Type 8049

DN	Ø A	C *	Ø D for actuator			L	Stroke	Weight (kg) for actuator		
			D 125	D250	D500			D 125	D 250	D 500
15	64	655	165	222	222	56	6	8,5	10,7	14,4
20	72	660	165	222	222	56	6	8,7	10,9	14,6
25	82	665	165	222	222	56	6	9,1	11,3	15,0
32	89	670	165	222	222	56	6	9,5	11,7	15,4
40	99	675	165	222	222	56	6	9,9	12,1	15,8
50	116	685	165	222	222	64	8	11,5	13,7	17,4
65	138	695	165	222	222	68	8	13,3	15,5	19,2
80	153	705	165	222	222	70	8	14,4	16,6	20,3
100	184	715	165	222	222	75	8,5	17,9	20,1	23,8
125	212	730	165	222	222	80	8,5	22,1	24,3	28,0
150	242	745	165	222	222	80	8,5	25,8	28,0	31,7
200	302	775	165	222	222	93	8,5	42,7	44,9	48,6
250	360	800	165	222	222	96	8,5	47,9	50,1	53,8

\* for actuator D500 +47,5mm

Dimensions in mm