

# Straight Bodied Flanged Valve 7032

1/2" up to 3"; 580 psi

**Pneumatically operated flanged valves for the control of neutral, lightly and highly aggressive fluids.**

- Compact design
- Unaffected by lightly contaminated media
- For temperatures from -100°C up to +220°C
- Working pressures up to 40 bars
- Rotatable actuator
- Customized execution



## Technical Information

Nominal sizes	1/2" up to 3"
Body material	1.4408 (CF8M)
Connection	Flanges acc. ASME 16.5 ANSI Cl. 150 (1/2"-3") Flanges acc. DIN EN 1092-1 (1/2"-2")
Dimensions	Acc. ANSI/ISA-75.08.01 (1/2"-3") Acc. DIN EN 558-1 Row 1 (1/2"-2")
Nominal pressure	ANSI150 or PN40
Max. fluid temperature*:	
with metal bonnet	-22°F up to +338°F, -148°F up to +428°F
with plastic bonnet	-22°F up to +275°F
diaphragm act. stainless steel	-22°F bis +392°F, opt. -22°F bis +428°F
Ambient temperature*	-22°F up to +140°F
Viscosity of media	maximum 600cSt, 80°E (600 mm <sup>2</sup> /s)
Vakuum	maximum 0,001 bar abs
Working pressure	See tables and diagrams, limitation for dangerous gases acc. Pressure equipment directive 2014/68/EU (category I): PS (psi) x DN (inch) / 1.75 < 1000
Working pressure for packing underneath	maximum 175 psi
Working pressure for bellows	maximum 230 psi
Classification DIN EN ISO15848-1	ISO FE BH-CC3-SSA1-t(-22°F, +176°F) Test pressure 580 psi
Leakage acc. EN 12266-1	leakage class A

\*: For further temperature versions and limits please consult the table on page 15

## Options and accessories

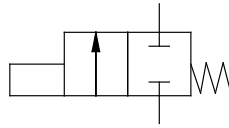
- Stroke limitation
- Manual emergency operation
- El. position indicator with inductive or mechanical limit switches
- Pilot valves
- AS-I control head
- Oil- and greasefree version, PTFE-free version, siliconfree version
- Version for oxygen or ozon applications
- FDA-compliant version
- Version acc. regular (EG) 1935/2004
- Version approved acc. DIN 161 (automatic shut-off valves for gas burners and gas appliances)
- Offshore-version
- Feedback unit for inductive limit switches
- Version for higher pilot pressures
- Version for under water use
- ...

# Straight Bodied Flanged Valve 7032

## Build up and function

### Spring closes

The function „spring closes“ may be applied closing against or closing with the flow. In the configuration closing with the flow the valve should only be used for gaseous fluids. If used for liquids, water hammers may occur.



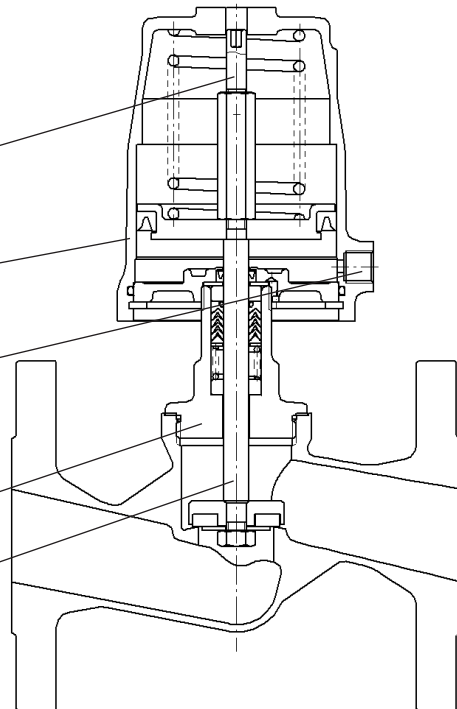
Removable position indicator

Bonnet can be rotated as required (compressed air connection)

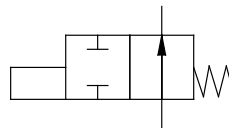
Direct pressure control (with a pilot valve if required)

Head section

Piston rod stainless steel



### Spring opens



Bonnet material chrome plated brass, plastiv, stainless steel or Aluminium

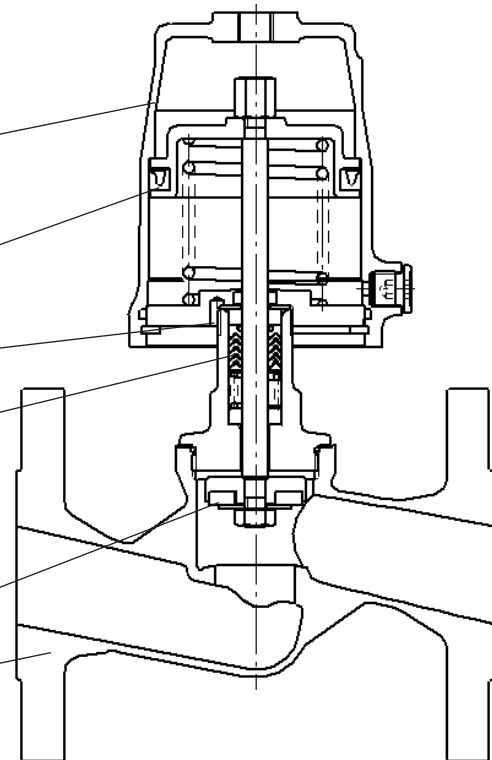
Exterior lip seal

Leak detector

PTFE packing, special version free (or packing underneath)

Seating seal in PTFE or other materials

Body



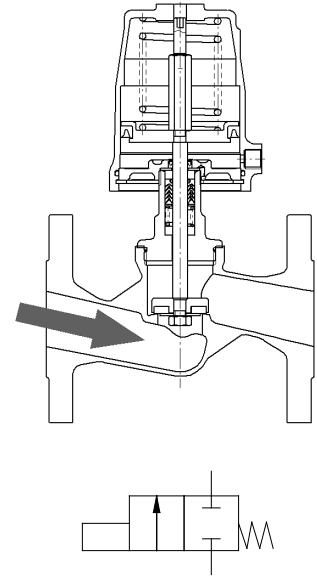
# Straight Bodied Flanged Valve 7032



## Pilot- and differential pressures

### Spring closes (closing against flow)

Nominal size	Version	Actuator	Springs	Max. differential pressure [psi]			Pilot pressure [psi]
				PTFE	PEEK 7	PEEK 8	
1/2"	Standard	2"	1	220	-	155	51 - 145
			2	395	71	330	66 - 145
			3	580	245	510	83 - 145
		3"	1	580	580	580	51 - 145
3/4"	Standard	2"	1	73	-	26	51 - 145
			2	150	-	105	66 - 145
			3	230	-	185	83 - 145
		3"	1	555	315	505	51 - 145
			2	580	510	580	64 - 145
			3	580	580	580	82 - 145
1"	Standard	2"	1	33	-	-	51 - 145
			2	81	-	44	66 - 145
			3	125	-	92	83 - 145
		3"	1	295	120	260	51 - 145
			2	405	220	365	64 - 145
			3	525	345	490	82 - 145
		5"	1	260	84	220	19 - 145
			2	565	380	525	32 - 145
			3	580	580	580	45 - 145
			1 1/4"	Standard	2"	1	14
2	44	-				15	66 - 145
3	73	-				44	83 - 145
3"	1	165			26	140	51 - 145
	2	230			91	200	64 - 145
	3	300			155	275	82 - 145
5"	1	145			8	120	19 - 145
	2	325			185	295	32 - 145
	3	460			315	435	45 - 145
	4	520			380	490	58 - 145
10"	8	580	535	580	40 - 87		
1 1/2"	Standard	2"	2	27	-	-	66 - 145
			3	49	-	24	83 - 145
			1	98	-	73	51 - 145
		3"	2	135	20	115	64 - 145
			3	180	62	150	82 - 145
			1	91	-	68	19 - 145
	d16	5"	2	170	88	180	32 - 145
			3	290	165	260	45 - 145
			4	300	185	280	58 - 145
		10"	8	445	330	425	40 - 87
			12	580	505	580	54 - 87



= Standard spring configuration

d16: reinforced design with 16mm (0.63") piston rod

PEEK 7: Seating seal made of PEEK for use below 320°F

PEEK 8: Seating seal made of PEEK for use above 320°F

For soft seals such as EPDM, FKM, NBR or Vulkolan the same values as with PTFE are valid

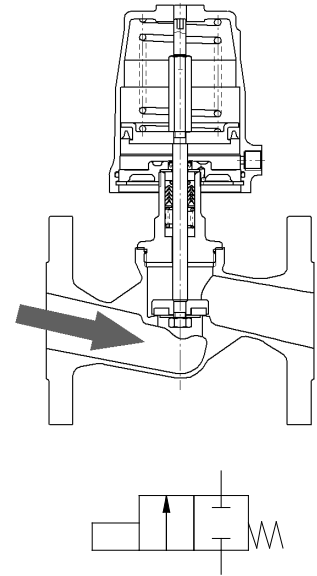
# Straight Bodied Flanged Valve 7032



## Pilot- and differential pressures

### Spring closes (closing against flow)

Nominal size	Version	Actuator	Springs	Max. differential pressure pressure [psi]			Pilot pressure [psi]
				PTFE	PEEK 7	PEEK 8	
2"	Standard	2"	2	13	-	-	66 - 145
3			26	-	7	83 - 145	
3"			1	58	-	39	51 - 145
			2	85	-	65	64 - 145
5"		3	110	15	92	82 - 145	
		1	53	-	34	19 - 145	
		2	125	33	110	34 - 0	
		3	180	85	155	45 - 145	
d16	5"	4	185	95	165	58 - 145	
	10"	8	280	185	265	40 - 87	
12		395	300	375	54 - 87		
2 1/2"	Standard (d16)	3"	2	43	-	29	64 - 145
			3	59	-	44	82 - 145
		5"	1	27	-	13	19 - 145
			2	69	-	56	32 - 145
			3	100	29	87	45 - 145
		4	105	36	94	58 - 145	
	10"	8	155	87	145	40 - 87	
		12	215	145	200	54 - 87	
	pressure balanced	3"	2	200	-	140	64 - 145
			2	325	-	260	32 - 145
5"		3	360	135	360	45 - 145	
3"	Standard (d16)	3"	2	29	-	15	64 - 145
			3	39	-	27	82 - 145
		5"	1	17	-	-	19 - 145
			2	46	-	34	32 - 145
			3	68	8	56	47 - 145
		4	72	13	60	58 - 145	
	10"	8	105	49	97	40 - 87	
		12	150	92	140	54 - 87	
	pressure balanced	3"	2	290	-	260	67 - 145
			3	290	-	290	82 - 145
		5"	2	290	-	290	32 - 145
			3	290	130	290	47 - 145



**Standard spring configuration**

d16: reinforced design with 16mm (0.63") piston rod

PEEK 7: Seating seal made of PEEK for use below 320°F

PEEK 8: Seating seal made of PEEK for use above 320°F

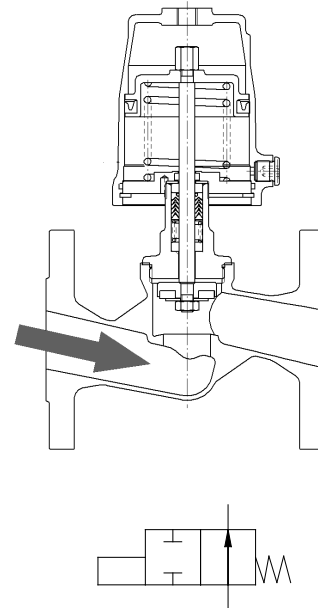
For soft seals such as EPDM, FKM, NBR or Vulkolan the same values as with PTFE are valid

# Straight Bodied Flanged Valve 7032



## Pilot- and differential pressures

Function „spring opens“, closing against flow



Seating seal PTFE, EPDM, FKM, NBR or Vulkolan

Nominal size	Version	Actuator $\varnothing$	Max. differential pressure [psi] at available pilot pressure [psi]												
			20	30	40	50	60	70	80	90	100	110	120	130	140
1/2"	Standard	2"	0	0	0	135	275	415	555	580	-	-	-	-	-
		3"	265	580	580	-	-	-	-	-	-	-	-	-	
3/4"	Standard	2"	0	0	0	39	105	175	245	315	385	455	520	580	580
		3"	100	285	465	580	-	-	-	-	-	-	-	-	
1"	Standard	2"	0	0	0	14	55	97	135	175	220	260	300	340	385
		3"	45	150	260	370	475	580	580	-	-	-	-	-	
1 1/4"	Standard	2"	0	0	0	2	28	54	79	105	130	155	180	205	230
		3"	17	84	150	215	285	350	420	485	555	580	-	-	-
		5"	200	365	530	580	-	-	-	-	-	-	-	-	
1 1/2"	Standard	2"	0	0	0	0	16	34	52	70	88	105	120	140	155
		3"	2	49	96	140	190	235	280	330	375	425	470	515	565
		5"	130	245	360	475	580	-	-	-	-	-	-	-	
2"	Standard	2"	0	0	0	0	6	18	29	41	52	64	75	87	98
		3"	0	27	57	88	115	145	175	205	235	265	300	330	360
		5"	80	155	225	300	360	-	-	-	-	-	-	-	
2 1/2"	Standard (d16)	3"	0	9	26	43	59	76	93	110	125	140	160	175	190
		5"	41	83	125	165	205	250	290	330	360	-	-	-	
3"	Standard (d16)	3"	0	4	16	28	39	51	63	74	86	97	105	120	130
		5"	26	56	85	110	140	170	200	230	260	285	-	-	

d16: reinforced design with 16mm (0.63") piston rod

Actuator 2": max. pilot pressure 15 psi above the required pilot pressure

Actuator 3": max. pilot pressure 12 psi above the required pilot pressure

Actuator 5" and 10": max. pilot pressure 7 psi above the required pilot pressure

## Pilot- and differential pressures

### Function „spring opens“, closing against flow

Seating seal PEEK-8

Nominal size	Version	Actuator	Max. differential pressure [psi] at available pilot pressure [psi]													
			20	30	40	50	60	70	80	90	100	110	120	130	140	
1/2"	Standard	2"	0	0	0	71	210	350	490	580	580	-	-	-	-	
		3"	200	565	580	-	-	-	-	-	-	-	-	-	-	
3/4"	Standard	2"	0	0	0	0	61	130	200	265	335	405	475	545	580	
		3"	56	235	420	580	580	-	-	-	-	-	-	-	-	
1"	Standard	2"	0	0	0	0	19	60	100	140	180	225	265	305	350	
		3"	8	115	225	330	440	550	580	-	-	-	-	-	-	
1 1/4"	Standard	2"	0	0	0	0	0	25	51	76	100	125	150	175	205	
		3"	0	56	120	190	255	325	390	455	525	580	-	-	-	
		5"	170	335	505	580	-	-	-	-	-	-	-	-	-	
1 1/2"	Standard	3"	0	25	72	115	165	210	260	305	350	400	445	495	540	
		5"	105	220	335	455	570	-	-	-	-	-	-	-	-	
2"	Standard	3"	0	8	38	69	99	125	155	190	220	250	280	310	340	
		5"	61	135	210	285	360	-	-	-	-	-	-	-	-	
2 1/2"	Standard (d16)	3"	0	0	12	28	45	62	78	95	110	125	145	160	175	
		5"	27	69	110	150	190	235	275	320	360	-	-	-	-	
		10"	0	81	165	255	340	-	-	-	-	-	-	-	-	
3"	Standard (d16)	3"	0	0	4	16	27	39	51	62	74	86	97	105	120	
		5"	14	44	73	100	130	160	185	215	245	275	290	-	-	
		10"	0	52	110	170	230	290	-	-	-	-	-	-	-	

Seating seal PEEK-7

Nominal size	Version	Actuator	Max. differential pressure [psi] at available pilot pressure [psi]													
			20	30	40	50	60	70	80	90	100	110	120	130	140	
1/2"	Standard	2"	0	0	0	0	0	85	225	365	505	580	-	-	-	
		3"	0	300	580	-	-	-	-	-	-	-	-	-	-	
3/4"	Standard	2"	0	0	0	0	0	0	13	82	150	220	290	360	425	
		3"	0	51	230	415	580	580	-	-	-	-	-	-	-	
1"	Standard	3"	0	0	81	185	295	405	515	580	-	-	-	-	-	
		5"	160	425	580	-	-	-	-	-	-	-	-	-	-	
1 1/4"	Standard	3"	0	0	9	76	140	210	275	345	410	480	545	580	-	
		5"	59	225	390	555	-	-	-	-	-	-	-	-	-	
1 1/2"	Standard	3"	0	0	0	24	71	115	165	210	255	305	350	400	445	
		5"	12	125	240	360	475	580	-	-	-	-	-	-	-	
2"	Standard	3"	0	0	0	0	23	53	83	110	140	170	200	235	265	
		5"	0	59	130	205	280	355	-	-	-	-	-	-	-	
		10"	0	80	230	360	-	-	-	-	-	-	-	-	-	
2 1/2"	Standard (d16)	5"	0	11	53	95	135	175	220	260	300	345	360	-	-	
		10"	0	24	110	195	280	360	-	-	-	-	-	-	-	
3"	Standard (d16)	5"	0	0	25	54	83	110	140	170	200	225	255	285	-	
		10"	0	5	65	125	185	245	290	-	-	-	-	-	-	

d16: reinforced design with 16mm (0.63") piston rod

PEEK 7: Seating seal made of PEEK for use below 320°F

PEEK 8: Seating seal made of PEEK for use above 320°F

Actuator 2": max. pilot pressure 15 psi above the required pilot pressure

Actuator 3": max. pilot pressure 12 psi above the required pilot pressure

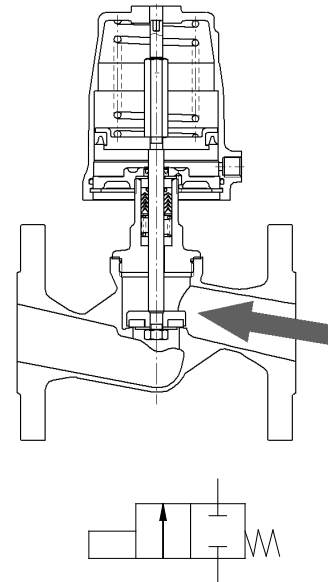
Actuator 5" and 10": max. pilot pressure 7 psi above the required pilot pressure

# Straight Bodied Flanged Valve 7032

## Pilot- and differential pressures

### Function „spring closes“, closing with flow

- Seat valve closing with the flow, spring closes
- Use preferably for gaseous fluids
- With liquids, waterhammers are possible



Seating seal PTFE, EPDM, FKM, NBR or Vulkolan

Nominal Size	Version	Actuator	Springs	Max. differential pressure [psi] at available pilot pressure [psi]													
				20	30	40	50	60	70	80	90	100	110	120	130	140	
1/2"	Standard	2"	Standard	0	0	315	580	580	580	580	580	580	580	580	580	580	
3/4"	Standard	2"	Standard	0	16	110	210	305	405	500	580	580	580	580	580	580	
		3"	Standard	155	410	580	580	580	580	580	580	580	580	580	580	580	
1"	Standard	2"	Standard	0	9	59	105	155	205	255	305	355	405	455	475	475	
		3"	Standard	86	215	345	475	475	475	475	475	475	475	475	475	475	475
1 1/4"	Standard	2"	Standard	0	5	34	62	91	120	145	175	205	230	260	275	275	
		3"	Standard	52	125	200	275	350	425	500	505	505	505	505	505	505	
		5"	Standard	255	440	505	505	505	505	505	505	505	505	505	505	505	
1 1/2"	Standard	2"	Standard	0	0	13	32	52	71	90	110	125	145	165	185	185	
		3"	Standard	2	53	100	155	205	255	305	330	330	330	330	330	330	
		5"	Standard	80	205	330	330	330	330	330	330	330	330	330	330	330	
	d16	5"	Standard	78	200	325	450	570	580	580	580	580	580	580	580	580	
2"	Standard	2"	Standard	0	0	9	21	33	45	57	69	81	93	105	115	115	
		3"	Standard	2	34	65	97	125	160	190	215	215	215	215	215	215	
		5"	Standard	51	125	205	215	215	215	215	215	215	215	215	215	215	
		d16	5"	Standard	49	125	200	280	360	435	515	550	550	550	550	550	
2 1/2"	Standard (d16)	3"	Standard	0	15	32	49	66	84	100	115	135	150	170	185	200	
		5"	Standard	26	69	110	155	195	240	280	325	360	360	360	360	360	
3"	Standard (d16)	3"	Standard	0	10	22	34	46	58	70	81	93	105	115	125	140	
		5"	Standard	18	48	77	105	135	165	195	225	255	285	290	290	290	
		10"	Standard	15	77	135	200	260	290	290	290	290	290	290	290	290	

d16: reinforced design with 16mm (0.63") piston rod

## Pilot- and differential pressures

### Function „spring closes“, closing with flow

Seating seal PEEK-8

Nominal Size	Version	Actuator	Springs	Max. differential pressure [psi] at available pilot pressure [psi]													
				20	30	40	50	60	70	80	90	100	110	120	130	140	
1/2"	Standard	2"	2	0	0	0	32	365	580	580	580	580	580	580	580	580	
3/4"	Standard	2"	2	0	0	0	54	150	245	345	440	540	580	580	580	580	
		3"	1	0	0	0	245	500	580	580	580	580	580	580	580	580	
		5"	1	290	580	580	580	580	580	580	580	580	580	580	580	580	
1"	Standard	2"	2	0	0	0	29	79	125	175	225	275	325	375	425	475	
		3"	1	0	0	22	150	280	415	475	475	475	475	475	475	475	
		5"	1	165	475	475	475	475	475	475	475	475	475	475	475	475	
1 1/4"	Standard	2"	2	0	0	0	17	45	74	100	130	160	185	215	245	275	
		3"	1	0	0	26	100	175	250	325	400	475	505	505	505	505	
		5"	1	100	285	475	505	505	505	505	505	505	505	505	505	505	
1 1/2"	Standard	3"	1	0	0	34	85	135	185	235	285	330	330	330	330	330	
		5"	2	0	79	205	330	330	330	330	330	330	330	330	330	330	
	d16	5"	2	0	76	200	320	445	570	580	580	580	580	580	580	580	
2"	Standard	3"	2	0	0	0	26	58	90	120	150	185	215	215	215	215	
		5"	2	0	51	125	205	215	215	215	215	215	215	215	215	215	
	d16	5"	2	0	48	125	200	280	355	435	510	550	550	550	550	550	
		10"	6	41	200	360	520	550	550	550	550	550	550	550	550	550	
2 1/2"	d16	5"	2	0	25	68	110	150	195	240	280	325	360	360	360	360	
		10"	6	23	110	200	290	360	360	360	360	360	360	360	360	360	
3"	d16	5"	2	0	17	47	77	105	135	165	195	225	255	285	290	290	
		10"	6	15	77	135	200	260	290	290	290	290	290	290	290	290	

Seating seal PEEK-7

Nominal Size	Version	Actuator	Springs	Max. differential pressure [psi] at available pilot pressure [psi]													
				20	30	40	50	60	70	80	90	100	110	120	130	140	
1/2"	Standard	2"	2	0	0	0	32	365	580	580	580	580	580	580	580	580	
3/4"	Standard	3"	1	0	0	0	245	500	580	580	580	580	580	580	580	580	
		5"	1	290	580	580	580	580	580	580	580	580	580	580	580		
1"	Standard	3"	1	0	0	22	150	280	415	475	475	475	475	475	475	475	
		5"	1	165	475	475	475	475	475	475	475	475	475	475	475	475	
1 1/4"	Standard	3"	2	0	0	26	100	175	250	325	400	475	505	505	505	505	
		5"	1	100	285	475	505	505	505	505	505	505	505	505	505	505	
1 1/2"	Standard	3"	2	0	0	0	40	91	140	190	240	290	330	330	330	330	
		5"	2	0	79	205	330	330	330	330	330	330	330	330	330	330	
	d16	5"	2	0	76	200	320	445	570	580	580	580	580	580	580	580	
2"	Standard	5"	2	0	51	125	205	215	215	215	215	215	215	215	215	215	
		5"	2	0	48	125	200	280	355	435	510	550	550	550	550	550	
	d16	10"	6	41	200	360	520	550	550	550	550	550	550	550	550	550	
2 1/2"	Standard (d16)	5"	3	0	0	37	80	120	165	205	250	295	335	360	360	360	
		10"	6	23	110	200	290	360	360	360	360	360	360	360	360	360	
3"	Standard (d16)	5"	3	0	0	25	55	85	115	140	170	200	230	260	290	290	
		10"	6	15	77	135	200	260	290	290	290	290	290	290	290	290	

d16: reinforced design with 16mm (0.63") piston rod

PEEK 7: Seating seal made of PEEK for use below 320°F

PEEK 8: Seating seal made of PEEK for use above 320°F

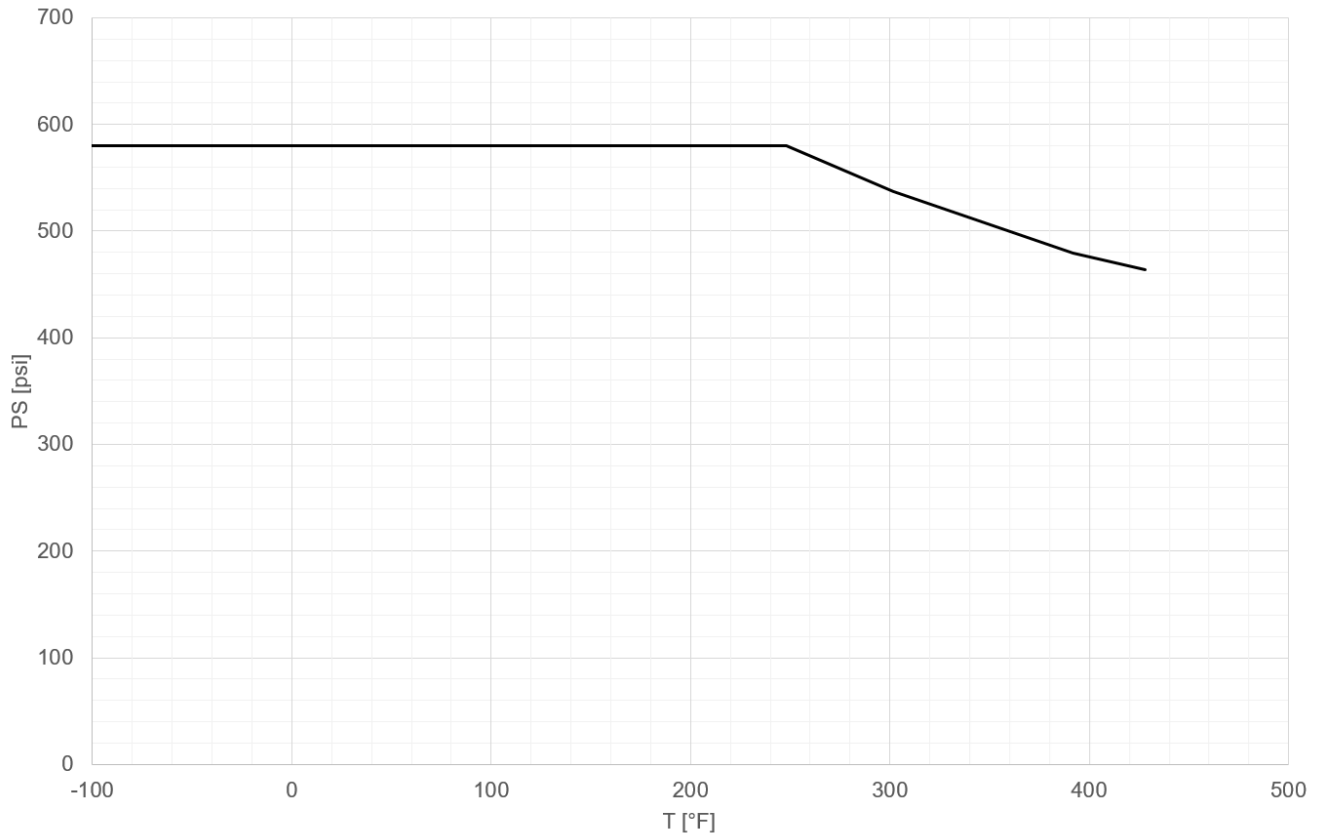


# Flanged Valve 7032

## Pressure/temperature mapping



### PT rating PN40 for body made of 1.4408



The maximum permissible pressure PS must not be exceeded, even if the driving force would allow this.



## Reinforced design (from 1 1/2“):

Ordering example: 7032/050V92202D-----S--K  
Flanged valve type 7032, DN 2“, connection ANSI 150 flange, stainless steel body, PTFE seating seal, spring closes, closing against flow, actuator 10“ NPT, reinforced design

**„K“: reinforced design**

## Execution with bellows

Ordering examples: 7032/050V922028----5S-F  
Flanged Valve Type 7032, DN 2“, connection ANSI 150 flange, stainless steel body, PTFE seating seal, spring closes, closing against flow, actuator 3“ NPT, stroke limitation, large head with bellow

**„F“: large head with bellow**

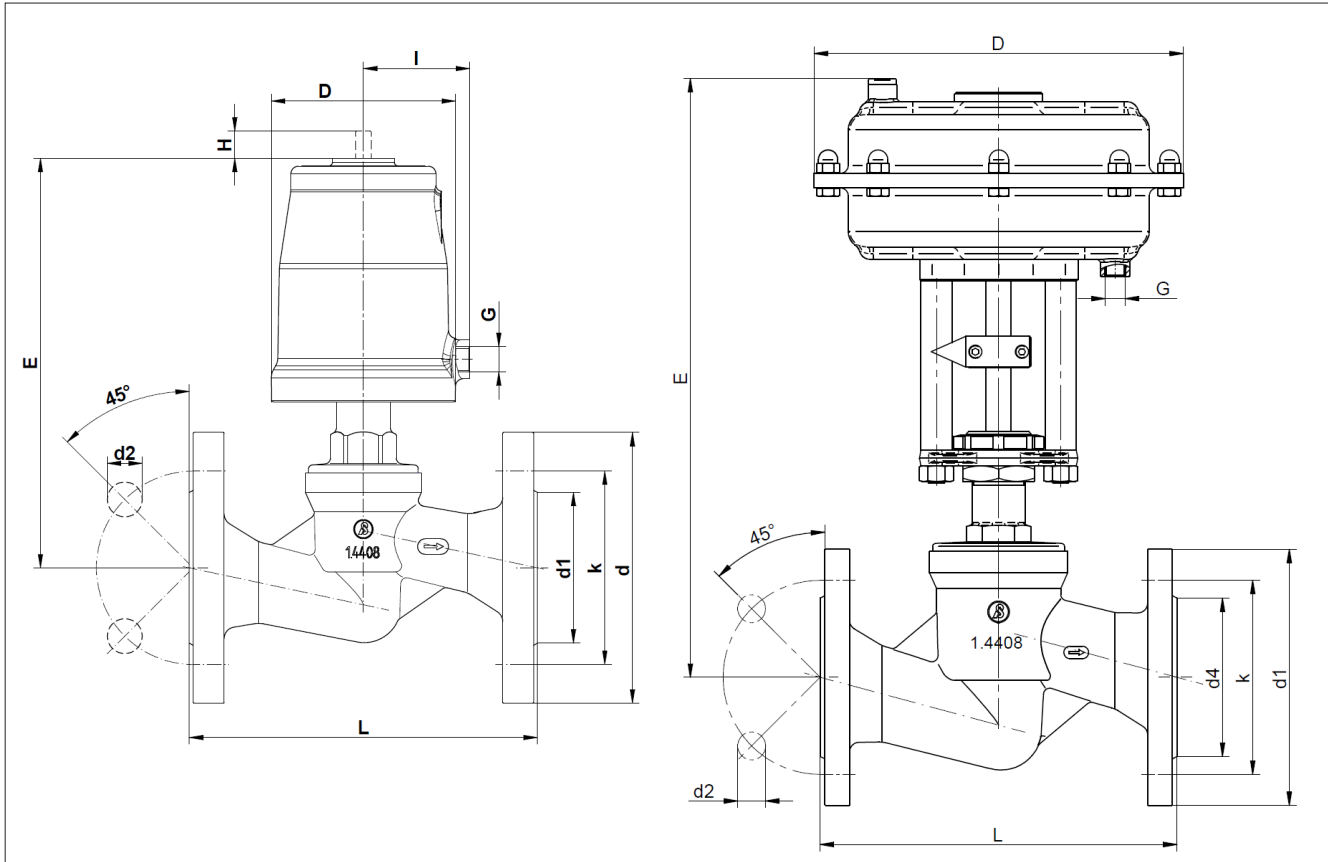
In addition to the listed options, there are a variety of other options available.

# Straight Bodied Flanged Valve 7032



1/2" - 2" Standard

## Dimensions and Weights



DN	Actuator	D	Flanges acc. EN 1092-1 Face to face dimension acc. EN 558-1					Flanges acc. ASME B16.5 Face to face dimension acc. ANSI/ISA-75.08.01					E	G	Stroke	I	Cvs-Valves	Weight (lbs)
			L	d	d1	d2	k	L	d	d1	d2	k						
1/2"	2"	2.44	5.12	3.74	1.77	0.55	2.56	7.24	3.5	1.38	0.62	2.38	5.79	1/8"	0.47	1.36	4	5,5
3/4"	2"	2.44	5.91	4.13	2.28	0.55	2.95	7.24	3.88	1.69	0.62	2.75	5.98	1/8"	0.61	1.36	8	7,3
1"	2"	2.44	6.3	4.53	2.68	0.55	3.35	7.24	4.25	2	0.62	3.12	6.65	1/8"	0.61	1.36	14	8,6
1"	3"	3.86	6.3	4.53	2.68	0.55	3.35	7.24	4.25	2	0.62	3.12	8.19	1/4"	0.79	2.17	14	12,1
1 1/4"	2"	2.44	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	6.81	1/8"	0.61	1.36	20	12,1
1 1/4"	3"	3.86	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	8.35	1/4"	0.91	2.17	20	15,4
1 1/4"	5"	5.67	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	9.29	1/4"	0.91	3.15	20	20,3
1 1/2"	2"	2.44	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	7.05	1/8"	0.61	1.36	29	14,6
1 1/2"	3"	3.86	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	8.58	1/4"	1.12	2.17	29	17,9
1 1/2"	5"	5.67	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	9.53	1/4"	1.12	3.15	29	22,7
2"	3"	3.86	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	9.49	1/4"	1.18	2.17	47	22,3
2"	5"	5.67	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	10.47	1/4"	1.18	3.15	47	27,1
Reinforced version																		
1 1/2"	10"	9.37	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	15.31	1/4"	0.98	-	29	37,5
2"	10"	9.37	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	15.16	1/4"	0.98	-	47	42,3

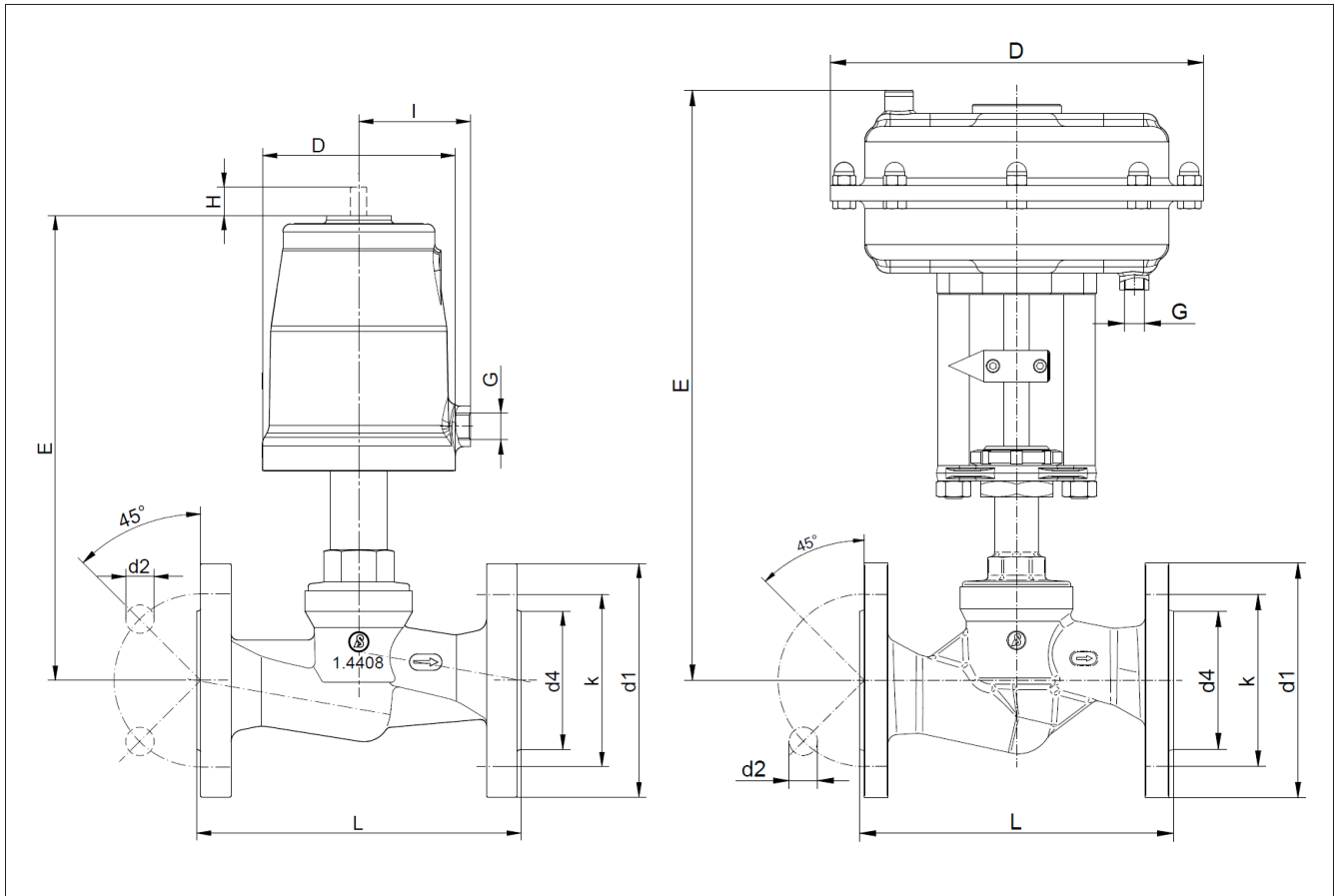
dimensions in inch

# Straight Bodied Flanged Valve 7032



1/2" - 2" Execution HT220

## Dimensions and Weights



DN	Actuator	D	Flanges acc. EN 1092-1 Face to face dimension acc. EN 558-1					Flanges acc. ASME B16.5 Face to face dimension acc. ANSI/ISA-75.08.01					E	G	Stroke	I	Cvs-Values	Weight (lbs)
			L	d	d1	d2	k	L	d	d1	d2	k						
1/2"	2"	2.44	5.12	3.74	1.77	0.55	2.56	7.24	3.5	1.38	0.62	2.38	6.65	1/8"	0.47	1.36	4	7.1
3/4"	2"	2.44	5.91	4.13	2.28	0.55	2.95	7.24	3.88	1.69	0.62	2.75	6.85	1/8"	0.61	1.36	8	8.8
1"	2"	2.44	6.3	4.53	2.68	0.55	3.35	7.24	4.25	2	0.62	3.12	7.52	1/8"	0.61	1.36	14	10.1
1"	3"	3.86	6.3	4.53	2.68	0.55	3.35	7.24	4.25	2	0.62	3.12	8.98	1/4"	0.79	2.17	14	13.7
1 1/4"	2"	2.44	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	7.68	1/8"	0.61	1.36	20	13.7
1 1/4"	3"	3.86	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	9.13	1/4"	0.91	2.17	20	17
1 1/4"	5"	5.67	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	10.16	1/4"	0.91	3.15	20	21.8
1 1/2"	2"	2.44	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	7.91	1/8"	0.61	1.36	29	16.1
1 1/2"	3"	3.86	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	9.41	1/4"	1.12	2.17	29	19.4
1 1/2"	5"	5.67	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	10.39	1/4"	1.12	3.15	29	24.3
Reinforced version																		
1 1/2"	3"	3.86	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	10	1/4"	1.12	2.17	29	19.6
1 1/2"	5"	5.67	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	10.98	1/4"	1.12	3.15	29	24.5
2"	3"	3.86	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	14.88	1/4"	1.18	2.17	47	24
2"	5"	5.67	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	11.93	1/4"	1.18	3.15	47	28.9
1 1/2"	10"	9.37	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	16.18	1/4"	0.98	-	29	39.2
2"	10"	9.37	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	16.02	1/4"	0.98	-	47	44.1

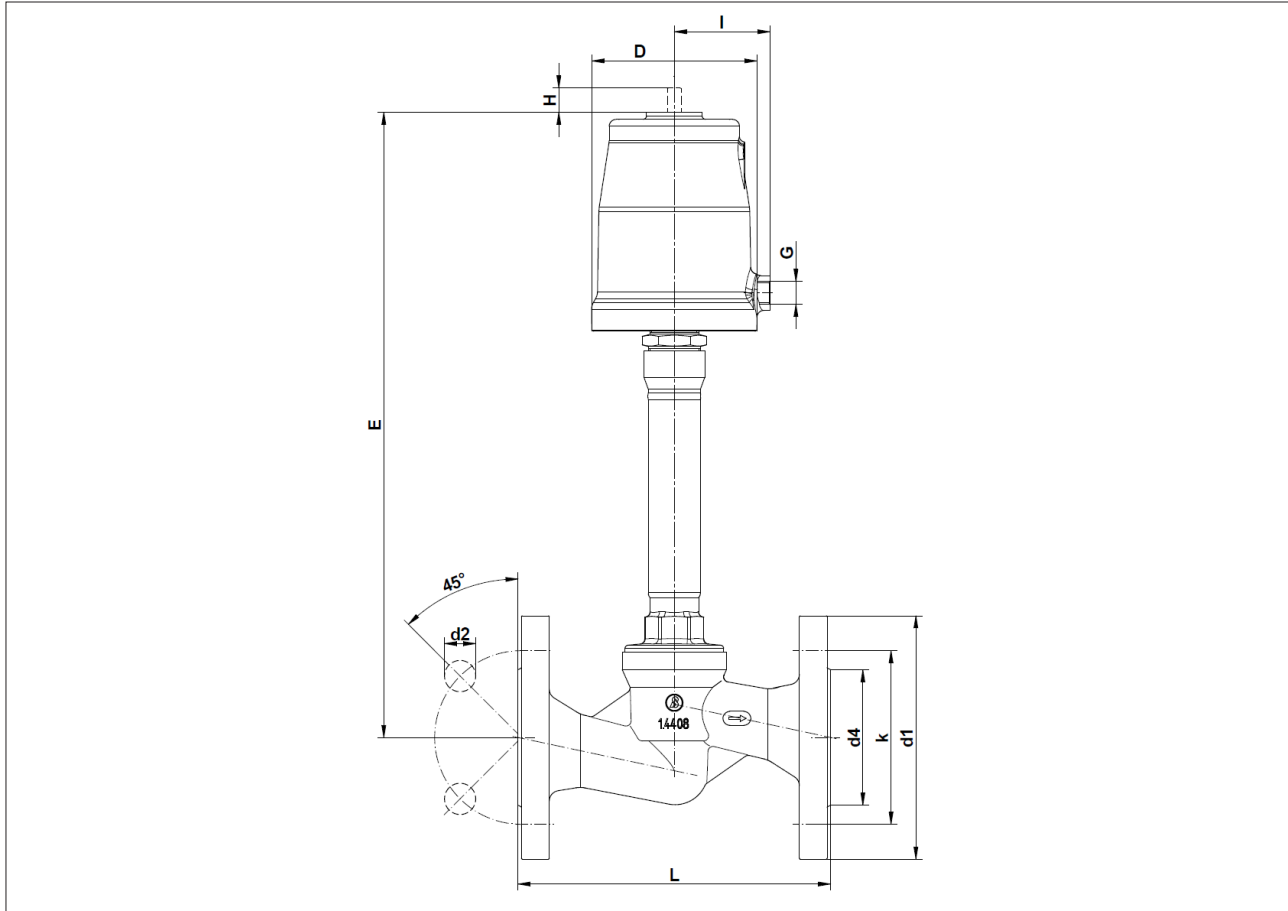
dimensions in inch

# Straight Bodied Flanged Valve 7032



1/2" - 2" Execution with bellows

## Dimensions and Weights



DN	Actuator	D	Flanges acc. EN 1092-1					Flanges acc. EN 1092-1					E	G	Stroke	I	Cvs-Values
			Face to face dimension acc. EN 558-1					Face to face dimension acc. EN 558-1									
			L	d	d1	d2	k	L	d	d1	d2	k					
1/2"	2"	2.44	5.12	3.74	1.77	0.55	2.56	7.24	3.5	1.38	0.62	2.38	11.81	1/8"	0.47	1.36	3.6
3/4"	2"	2.44	5.91	4.13	2.28	0.55	2.95	7.24	3.88	1.69	0.62	2.75	11.97	1/8"	0.61	1.36	7.5
1"	2"	2.44	6.3	4.53	2.68	0.55	3.35	7.24	4.25	2	0.62	3.12	12.52	1/8"	0.61	1.36	13.9
1"	3"	3.86	6.3	4.53	2.68	0.55	3.35	7.24	4.25	2	0.62	3.12	14.02	1/4"	0.79	2.17	13.9
1 1/4"	3"	3.86	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	14.17	1/4"	0.91	2.17	20.2
1 1/4"	5"	5.67	7.09	5.51	3.07	0.71	3.94	7.87	4.62	2.5	0.62	3.5	15.16	1/4"	0.91	3.15	20.2
1 1/2"	3"	3.86	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	14.41	1/4"	1.12	2.17	28.9
1 1/2"	5"	5.67	7.87	5.91	3.46	0.71	4.33	8.74	5	2.88	0.62	3.88	15.39	1/4"	1.12	3.15	28.9
2"	3"	3.86	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	15.35	1/4"	1.18	2.17	46.2
2"	5"	5.67	9.06	6.5	4.02	0.71	4.92	10	6	3.62	0.75	4.75	16.3	1/4"	1.18	3.15	46.2

dimensions in inch

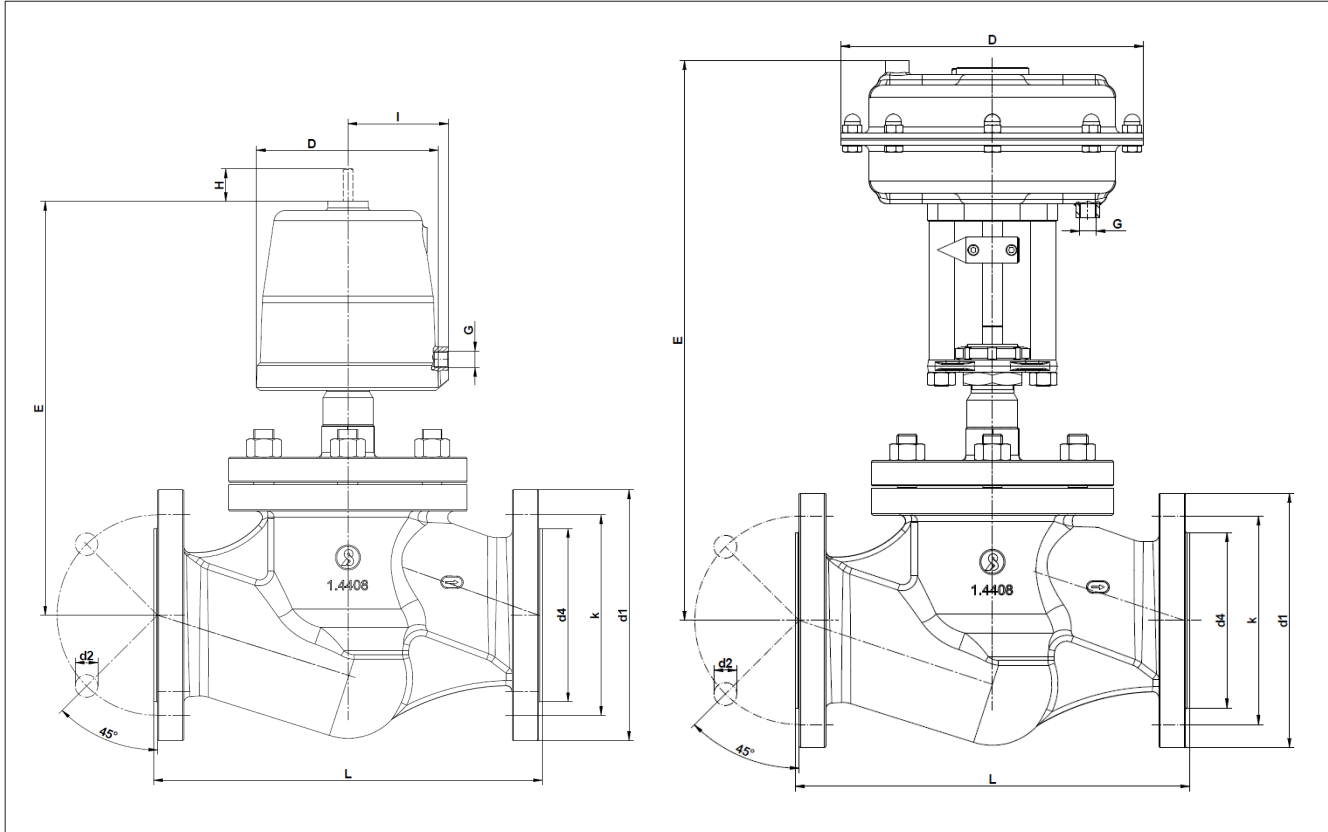
Valve		calculated stress reversals at 390°F		
Nom. Size	Actuator	232 psi	145 psi	14,5 psi
1/2"	2"	>1.000.000	>1.000.000	>1.000.000
3/4"	2"	>360.000	>900.000	>1.000.000
1"	2"	>340.000	>400.000	>1.000.000
1"	3"	>130.000	>180.000	>200.000
1 1/4"	3"	>90.000	>130.000	>170.000
1 1/2"	3"	>45.000	>60.000	>75.000
2"	3"	>40.000	>55.000	>70.000

# Straight Bodied Flanged Valve 7032



2 1/2" - 3"

## Dimensions and Weights



DN	Actuator	Flanges acc. EN 1092-1					D	E	H	G	Stroke	Cvs-Value	Weight (kg)
		Face to face dimension acc. EN 558-1											
		L	d1	d2	d4	k							
2 1/2"	3"	11.42	7.28	0.71	4.8	5.71	3.78	11.61	1.02	G1/4"	1.06	69	50.7
2 1/2"	5"	11.42	7.28	0.71	4.8	5.71	5.75	12.6	1.02	G1/4"	1.06	69	55.1
2 1/2"	10"	11.42	7.28	0.71	4.8	5.71	9.37	16.93	-	G1/4"	0.98	69	66.1
3"	3"	12.2	7.87	0.71	5.43	6.3	3.78	12.01	1.02	G1/4"	1.06	98	66.1
3"	5"	12.2	7.87	0.71	5.43	6.3	5.75	12.99	1.02	G1/4"	1.06	98	70.5
3"	10"	12.2	7.87	0.71	5.43	6.3	9.37	17.52	-	G1/4"	0.98	98	79.4

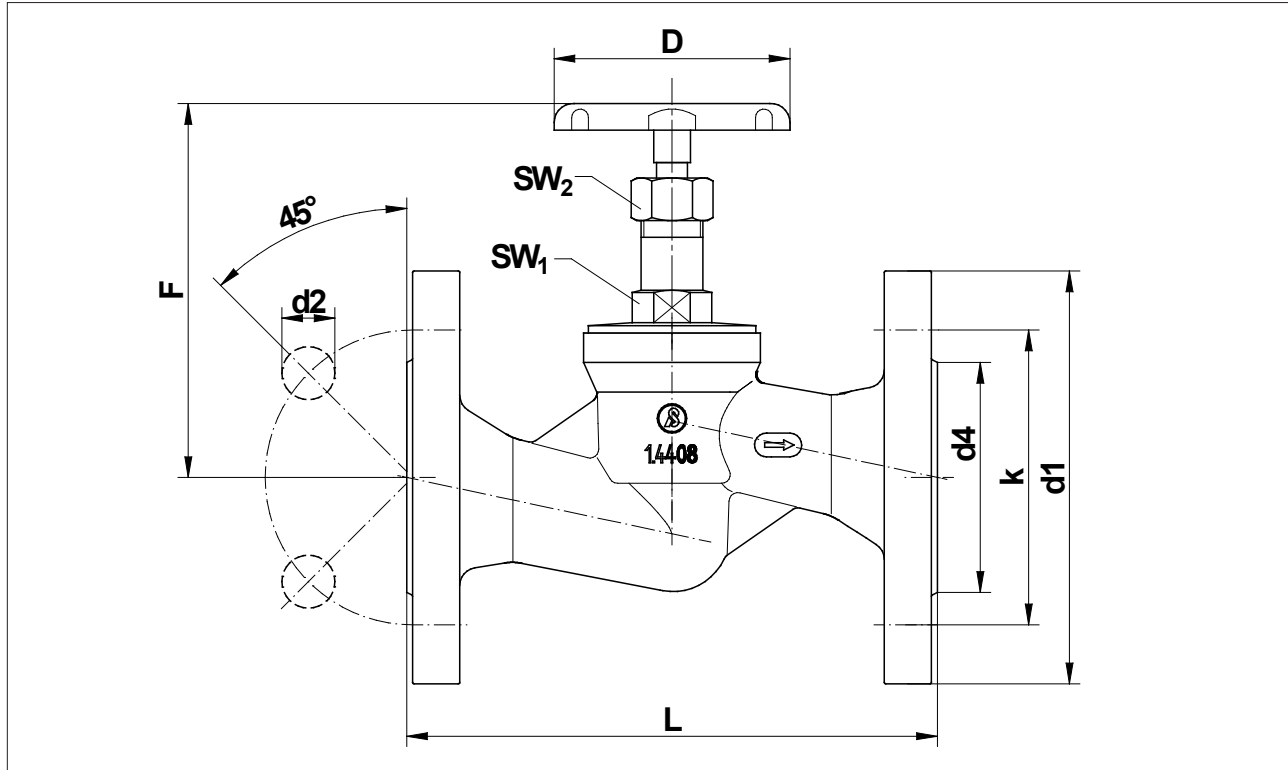
dimensions in inch

# Straight Bodied Flanged Valve 7032

1/2" - 1 1/2" Manual actuator



## Dimensions and Weights



Size	L	D	d1	d2	d4	k	F open	F closed	SW1	SW2
1/2"	5.12	2.76	3.74	0.55	1.77	2.56	4.21	3.66	0.75	0.79
3/4"	5.91	2.76	4.13	0.55	2.28	2.95	4.8	4.13	0.75	0.79
1"	6.3	3.15	4.53	0.55	2.68	3.35	5.43	4.61	0.94	0.94
1 1/4"	7.09	3.15	5.51	0.71	3.07	3.94	7.13	5.75	0.94	0.94
1 1/2"	7.87	3.94	5.91	0.71	3.46	4.33	5.94	5	1.06	1.06

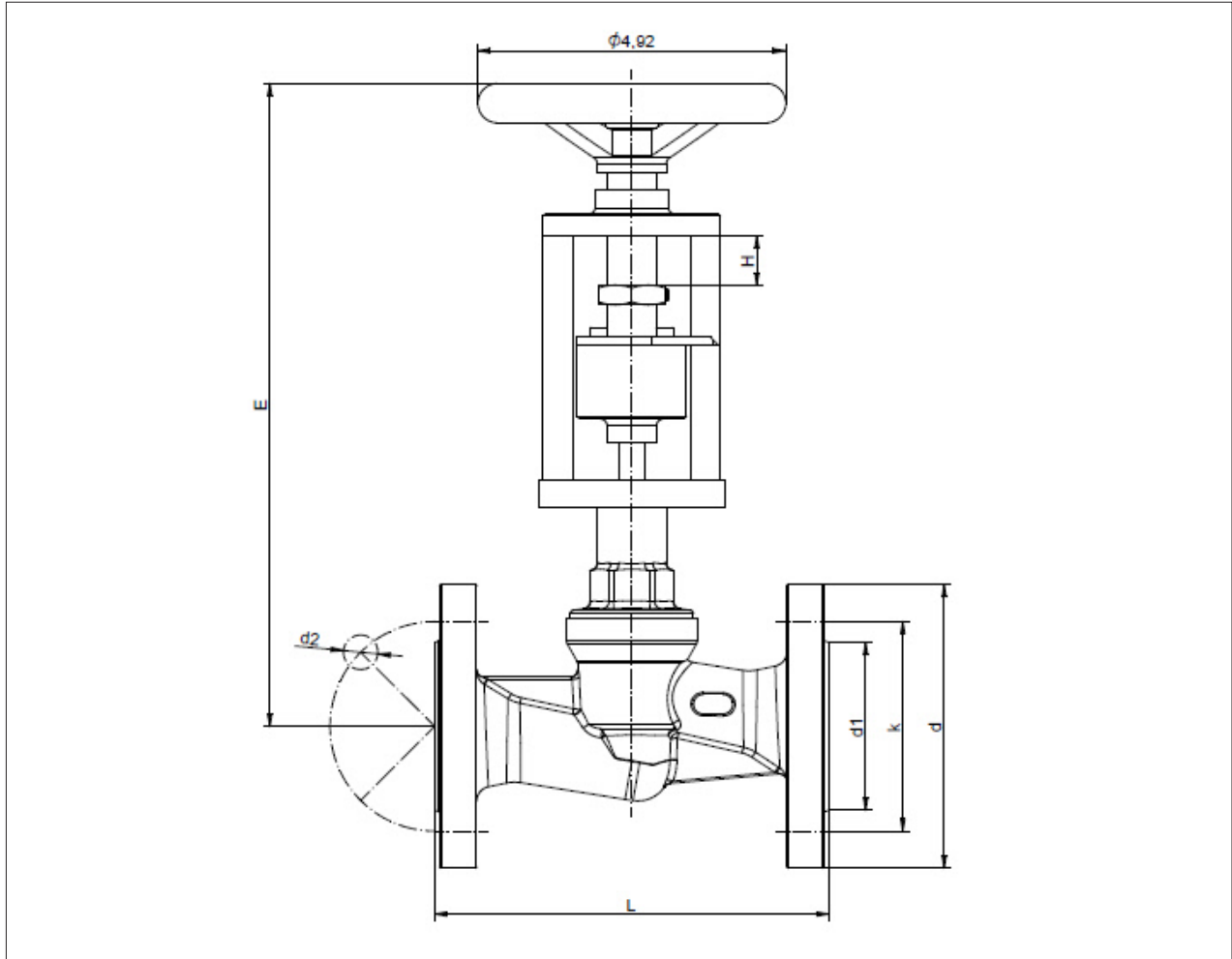
The maximum differential pressures for manual valves are equivalent to the maximum pressures of the pressure ratings. (see p.9)



# Straight Bodied Flanged Valve 7032

1/2" - 3" GS manual actuator

## Dimensions and Weights



DN	L	d	d1	d2	k	n	E Closed	Stroke H
1/2"	5,12	3,74	1,77	0,55	2,56	4	10	0,47
3/4"	5,91	4,13	2,28	0,55	2,95	4	10,04	0,61
1"	6,3	4,53	2,68	0,55	3,35	4	10,59	0,79
1 1/4"	7,09	5,51	3,07	0,71	3,94	4	10,63	0,91
1 1/2"	7,87	5,91	3,46	0,71	4,33	4	10,63	1,12
2"	9,06	6,5	4,02	0,71	4,92	4	11,57	1,18
2 1/2"	11,42	7,28	4,8	0,71	5,71	8	13,66	1,06
3"	12,2	7,87	5,43	0,71	6,3	8	14,09	1,06

The maximum differential pressures for manual valves are equivalent to the maximum pressures of the pressure ratings. (see p.9)

# Straight Bodied Flanged Valve 7032



## Temperature versions

Version	Description	Fluid temperature	Ambient temperature
1	Standard - Stainless steel	-22°F up to +338°F	+5°F up to +140°F
2	HT220 - version, only with PEEK seating seal	+320°F up to +428°F	+5°F up to +212°F
3	High temperature version in stainless steel	-22°F up to +392°F	+5°F up to +212°F
4	Low temperature version acc. to drawing R0194 for stainless steel body	-58°F up to +275°F	+5°F up to +140°F
5	Low temperature version acc. to drawing R0188 for stainless steel body		-40°F up to +140°F
6	Low temperature version for stainless steel body	-40°F up to + 338°F	+5°F up to +140°F
7	Bonnet for actuator made of polymer for stainless steel body	-22°F up to +275°F	+5°F up to +140°F
8	Low temperature version with bonnet for actuator made of polymer and stainless steel body	-40°F up to +275°F	+5°F up to +140°F
9	Long head section (without bellows)	-94°F up to +392°F	+5°F up to +140°F
10	Long head section with bellows	-148°F up to +392°F	+5°F up to +140°F
11	Standard, stainless steel with seals from NBR	-22°F up to +338°F	-22°F up to +140°F
12	Low temperature version, seating seal made of NBR and stainless steel body	-40°F up to +338°F	-40°F up to +140°F
13	Diaphragm actuator D250	-22°F up to +392°F	-22°F up to +140°F
14	Low temperature version for diaphragm actuator D250	-40°F up to +392°F	-22°F up to +140°F

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