



LESER Spring-loaded safety valve Type 565 serie 442 steel high-lifting flange

Type 565 high-luminosity steel safety device in a right-angled design with flange.

Set pressure range from 0.1 barg to 40.0 barg.

The set pressure must be specified when ordering.

Characteristics

Series: 441

Type: 565

Norm: ISO 4126-1

Model: Spring-loaded safety valve

Construction type: Angle Pattern

Housing material inlet side: Steel

Material quality inlet side: 1.0619

Housing material outlet side: Steel

Material quality outlet side: 1.0619

Connection inlet side: Flange

Pressure rating inlet side: PN40

Connection outlet side: Flange

Pressure rating outlet side: PN16

Flange finish: Raised face

Blow-off characteristic: High-lifting

Gastight valve: No

Spring cap, closed: No

Material spring bonnet: Ductile cast iron

Material disc: 1.4122

Seat material: 1.4404

Spring material: Spring steel

Spindle material: 1.4021

Medium temperature: -85 °C

Approval

- Bureau Veritas – BV.
- Det Norske Veritas – DNV
- Germanischer Lloyd – GL
- Lloyds Register EMEA – LREMEA.
- Registro Italiano Navale – RINA.
- American Bureau of Shipping – ABS.
- National Board – NB
- US Coast Guard – USCG.
- Eurasian Custom Union – EAC.
- NK Nippon.
- PED 97/23/EU.
- TÜV.
- ASME.

Options

- Stainless steel bellows.
- Elastomer bellows made of EPDM or NBR.
- Flanged connection according to ASME.
- XXL version up to and including DN400 inlet.
- O-ring seal on valve in: EPDM, CR, FKM or FKM.

Application

- Gasses.
- Vapours.
- Steam.
- Liquids [for large quantities].

Inlet DN [mm]	Inlet PN	Outlet DN [mm]	Outlet PN	d0 [mm]	A0 [mm ²]	Max. set press. [bar]	a mm	b mm	H mm	Weight [kg]
20	40	40	16	18	254	40	95	85	219	9
25	40	40	16	25	491	40	100	105	233	9
32	40	50	16	29	661	40	110	115	325	12
40	40	65	16	37	1075	40	115	140	366	16
50	40	80	16	46	1662	40	120	150	413	22
65	40	100	16	60	2827	40	140	170	526	32
80	40	125	16	74	4301	32	160	195	603	56

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Safety Valves | Spring loaded safety valves with flanged connection

Inlet DN [mm]	Inlet PN	Outlet DN [mm]	Outlet PN	d0 [mm]	A0 [mm ²]	Max. set press. [bar]	a mm	b mm	H mm	Weight [kg]
100	40	150	16	92	6648	40	180	220	660	75
125	40	200	16	98	7543	28	200	250	660	85
150	40	250	16	125	12272	17	225	285	735	131
200	25	300	16	165	21382	20	300	290	1090	285

Press. range	Temperature range
0,1 tot 40 barg	-85° C / +450° C

Nominal inner diameter inlet side	Nominal inner diameter outlet side	Adjustment range bar	Valve bore mm	Valve lifter	Sealing	Article
DN20	DN40	0.85 / 1.3	18	Open	Metal	13478270
DN20	DN40	2.26 / 3.24	18	Open	Metal	13478273
DN20	DN40	32.21 / 40	18	Open	Metal	13478281
DN20	DN40	0.1 / 0.19	18	Open	Metal	13478265
DN20	DN40	4.51 / 6.5	18	Open	Metal	13478275
DN20	DN40	0.27 / 0.37	18	Open	Metal	13478267
DN20	DN40	0.55 / 0.84	18	Open	Metal	13478269
DN20	DN40	0.2 / 0.26	18	Open	Metal	13478266
DN20	DN40	15.21 / 21.7	18	Open	Metal	13478278
DN20	DN40	3.25 / 4.5	18	Open	Metal	13478274
DN20	DN40	6.51 / 9.4	18	Open	Metal	13478276
DN20	DN40	1.8 / 2.25	18	Open	Metal	13478272
DN20	DN40	0.38 / 0.54	18	Open	Metal	13478268
DN20	DN40	9.41 / 15.2	18	Open	Metal	13478277
DN20	DN40	21.71 / 27.4	18	Open	Metal	13478279
DN20	DN40	1.31 / 1.79	18	Open	Metal	13478271
DN20	DN40	27.41 / 32.2	18	Open	Metal	13478280
DN25	DN40	0.2 / 0.37	23	Open	Metal	13478283
DN25	DN40	19.51 / 22.1	23	Open	Metal	13478296
DN25	DN40	0.1 / 0.19	23	Open	Metal	13478282
DN25	DN40	0.98 / 1.38	23	Open	Metal	13478287
DN25	DN40	9.01 / 12	23	Open	Metal	13478293
DN25	DN40	2.63 / 3.33	23	Open	Metal	13478290
DN25	DN40	33.01 / 40	23	Open	Metal	13478299
DN25	DN40	3.34 / 5.34	23	Open	Metal	13478291
DN25	DN40	0.51 / 0.69	23	Open	Metal	13478285
DN25	DN40	1.39 / 2.07	23	Open	Metal	13478288
DN25	DN40	2.08 / 2.62	23	Open	Metal	13478289
DN25	DN40	0.38 / 0.5	23	Open	Metal	13478284
DN25	DN40	0.7 / 0.97	23	Open	Metal	13478286
DN25	DN40	15.21 / 19.5	23	Open	Metal	13478295
DN25	DN40	27.01 / 33	23	Open	Metal	13478298
DN25	DN40	12.01 / 15.2	23	Open	Metal	13478294
DN25	DN40	22.11 / 27	23	Open	Metal	13478297
DN25	DN40	5.35 / 9	23	Open	Metal	13478292
DN32	DN50	3.01 / 4.2	29	Open	Metal	13478309
DN32	DN50	0.2 / 0.26	29	Open	Metal	13478301

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Safety Valves | Spring loaded safety valves with flanged connection

Nominal inner diameter inlet side	Nominal inner diameter outlet side	Adjustment range bar	Valve bore mm	Valve lifter	Sealing	Article
DN32	DN50	37.01 / 40	29	Open	Metal	13478319
DN32	DN50	0.27 / 0.33	29	Open	Metal	13478302
DN32	DN50	0.86 / 1.4	29	Open	Metal	13478306
DN32	DN50	4.21 / 6.2	29	Open	Metal	13478310
DN32	DN50	27.01 / 34	29	Open	Metal	13478317
DN32	DN50	10.01 / 12.8	29	Open	Metal	13478313
DN32	DN50	0.1 / 0.19	29	Open	Metal	13478300
DN32	DN50	2.26 / 3	29	Open	Metal	13478308
DN32	DN50	8.51 / 10	29	Open	Metal	13478312
DN32	DN50	0.6 / 0.85	29	Open	Metal	13478305
DN32	DN50	1.41 / 2.25	29	Open	Metal	13478307
DN32	DN50	34.01 / 37	29	Open	Metal	13478318
DN32	DN50	16.51 / 21	29	Open	Metal	13478315
DN32	DN50	0.34 / 0.5	29	Open	Metal	13478303
DN32	DN50	0.51 / 0.59	29	Open	Metal	13478304
DN32	DN50	21.01 / 27	29	Open	Metal	13478316
DN32	DN50	6.21 / 8.5	29	Open	Metal	13478311
DN32	DN50	12.81 / 16.5	29	Open	Metal	13478314
DN40	DN65	15.51 / 20	37	Open	Metal	13478332
DN40	DN65	0.1 / 0.21	37	Open	Metal	13478320
DN40	DN65	2.91 / 4.1	37	Open	Metal	13478328
DN40	DN65	6.21 / 10	37	Open	Metal	13478330
DN40	DN65	0.81 / 1.1	37	Open	Metal	13478324
DN40	DN65	20.01 / 27	37	Open	Metal	13478333
DN40	DN65	4.11 / 6.2	37	Open	Metal	13478329
DN40	DN65	0.33 / 0.5	37	Open	Metal	13478322
DN40	DN65	1.76 / 2.2	37	Open	Metal	13478326
DN40	DN65	33.51 / 40	37	Open	Metal	13478335
DN40	DN65	0.22 / 0.32	37	Open	Metal	13478321
DN40	DN65	0.51 / 0.8	37	Open	Metal	13478323
DN40	DN65	27.01 / 33.5	37	Open	Metal	13478334
DN40	DN65	10.01 / 15.5	37	Open	Metal	13478331
DN40	DN65	2.21 / 2.9	37	Open	Metal	13478327
DN40	DN65	1.11 / 1.75	37	Open	Metal	13478325
DN50	DN80	0.51 / 0.8	46	Open	Metal	13478338
DN50	DN80	23.11 / 28.2	46	Open	Metal	13478349
DN50	DN80	19.01 / 23.1	46	Open	Metal	13478348
DN50	DN80	1.21 / 1.8	46	Open	Metal	13478340
DN50	DN80	11.31 / 15.6	46	Open	Metal	13478346
DN50	DN80	0.23 / 0.5	46	Open	Metal	13478337
DN50	DN80	15.61 / 19	46	Open	Metal	13478347
DN50	DN80	1.81 / 2.6	46	Open	Metal	13478341
DN50	DN80	5.81 / 8.6	46	Open	Metal	13478344
DN50	DN80	0.81 / 1.2	46	Open	Metal	13478339
DN50	DN80	28.21 / 34.4	46	Open	Metal	13478350
DN50	DN80	8.61 / 11.3	46	Open	Metal	13478345
DN50	DN80	34.41 / 40	46	Open	Metal	13478351
DN50	DN80	0.13 / 0.22	46	Open	Metal	13478336
DN50	DN80	3.91 / 5.8	46	Open	Metal	13478343
DN50	DN80	2.61 / 3.9	46	Open	Metal	13478342
DN65	DN100	0.2 / 0.26	60	Open	Metal	13478354
DN65	DN100	0.17 / 0.19	60	Open	Metal	13478353

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Safety Valves | Spring loaded safety valves with flanged connection

Nominal inner diameter inlet side	Nominal inner diameter outlet side	Adjustment range bar	Valve bore mm	Valve lifter	Sealing	Article
DN65	DN100	0.9 / 1.49	60	Open	Metal	13478358
DN65	DN100	9.01 / 13.9	60	Open	Metal	13478363
DN65	DN100	23.11 / 34.7	60	Open	Metal	13478366
DN65	DN100	3.36 / 4.99	60	Open	Metal	13478361
DN65	DN100	13.91 / 18.3	60	Open	Metal	13478364
DN65	DN100	0.62 / 0.89	60	Open	Metal	13478357
DN65	DN100	0.13 / 0.16	60	Open	Metal	13478352
DN65	DN100	5 / 9	60	Open	Metal	13478362
DN65	DN100	18.31 / 23.1	60	Open	Metal	13478365
DN65	DN100	34.71 / 40	60	Open	Metal	13478367
DN65	DN100	0.27 / 0.5	60	Open	Metal	13478355
DN65	DN100	1.5 / 2.49	60	Open	Metal	13478359
DN65	DN100	2.5 / 3.35	60	Open	Metal	13478360
DN65	DN100	0.51 / 0.61	60	Open	Metal	13478356
DN80	DN125	0.1 / 0.14	74	Open	Metal	13478368
DN80	DN125	0.5 / 0.64	74	Open	Metal	13478372
DN80	DN125	22.51 / 32	74	Open	Metal	13478382
DN80	DN125	1.51 / 2.3	74	Open	Metal	13478375
DN80	DN125	0.15 / 0.25	74	Open	Metal	13478369
DN80	DN125	3.21 / 5.5	74	Open	Metal	13478377
DN80	DN125	0.65 / 1.04	74	Open	Metal	13478373
DN80	DN125	10.61 / 15.5	74	Open	Metal	13478380
DN80	DN125	7.51 / 10.6	74	Open	Metal	13478379
DN80	DN125	5.51 / 7.5	74	Open	Metal	13478378
DN80	DN125	0.26 / 0.35	74	Open	Metal	13478370
DN80	DN125	1.05 / 1.5	74	Open	Metal	13478374
DN80	DN125	15.51 / 22.5	74	Open	Metal	13478381
DN80	DN125	0.36 / 0.49	74	Open	Metal	13478371
DN80	DN125	2.31 / 3.2	74	Open	Metal	13478376
DN100	DN150	0.5 / 0.76	92	Open	Metal	13478386
DN100	DN150	35.01 / 40	92	Open	Metal	13478398
DN100	DN150	1.18 / 1.79	92	Open	Metal	13478388
DN100	DN150	0.1 / 0.19	92	Open	Metal	13478383
DN100	DN150	0.2 / 0.32	92	Open	Metal	13478384
DN100	DN150	4.16 / 5.93	92	Open	Metal	13478391
DN100	DN150	0.77 / 1.17	92	Open	Metal	13478387
DN100	DN150	5.94 / 8.4	92	Open	Metal	13478392
DN100	DN150	14.01 / 19.2	92	Open	Metal	13478395
DN100	DN150	0.33 / 0.49	92	Open	Metal	13478385
DN100	DN150	8.41 / 10.7	92	Open	Metal	13478393
DN100	DN150	1.8 / 2.73	92	Open	Metal	13478389
DN100	DN150	2.74 / 4.15	92	Open	Metal	13478390
DN100	DN150	19.21 / 24.5	92	Open	Metal	13478396
DN100	DN150	24.51 / 35	92	Open	Metal	13478397
DN100	DN150	10.71 / 14	92	Open	Metal	13478394
DN125	DN200	4.51 / 6	98	Open	Metal	13478409
DN125	DN200	7.51 / 9.5	98	Open	Metal	13478411
DN125	DN200	0.36 / 0.51	98	Open	Metal	13478402
DN125	DN200	0.68 / 0.9	98	Open	Metal	13478404
DN125	DN200	22.01 / 28	98	Open	Metal	13478415
DN125	DN200	0.1 / 0.19	98	Open	Metal	13478399
DN125	DN200	18.51 / 22	98	Open	Metal	13478414

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

Safety Valves | Spring loaded safety valves with flanged connection

Nominal inner diameter inlet side	Nominal inner diameter outlet side	Adjustment range bar	Valve bore mm	Valve lifter	Sealing	Article
DN125	DN200	0.91 / 1.4	98	Open	Metal	13478405
DN125	DN200	0.25 / 0.35	98	Open	Metal	13478401
DN125	DN200	2.91 / 4.5	98	Open	Metal	13478408
DN125	DN200	2.01 / 2.9	98	Open	Metal	13478407
DN125	DN200	0.52 / 0.67	98	Open	Metal	13478403
DN125	DN200	1.41 / 2	98	Open	Metal	13478406
DN125	DN200	6.01 / 7.5	98	Open	Metal	13478410
DN125	DN200	0.2 / 0.24	98	Open	Metal	13478400
DN125	DN200	9.51 / 14	98	Open	Metal	13478412
DN125	DN200	14.01 / 18.5	98	Open	Metal	13478413
DN150	DN250	0.3 / 0.49	125	Open	Metal	13478418
DN150	DN250	0.7 / 0.99	125	Open	Metal	13478420
DN150	DN250	1.81 / 2.6	125	Open	Metal	13478423
DN150	DN250	0.1 / 0.21	125	Open	Metal	13478416
DN150	DN250	10.01 / 11.5	125	Open	Metal	13478429
DN150	DN250	15.01 / 17	125	Open	Metal	13478432
DN150	DN250	1 / 1.44	125	Open	Metal	13478421
DN150	DN250	11.51 / 13	125	Open	Metal	13478430
DN150	DN250	2.61 / 3.8	125	Open	Metal	13478424
DN150	DN250	0.22 / 0.29	125	Open	Metal	13478417
DN150	DN250	13.01 / 15	125	Open	Metal	13478431
DN150	DN250	8.01 / 10	125	Open	Metal	13478428
DN150	DN250	7.01 / 8	125	Open	Metal	13478427
DN150	DN250	3.81 / 5.5	125	Open	Metal	13478425
DN150	DN250	1.45 / 1.8	125	Open	Metal	13478422
DN150	DN250	5.51 / 7	125	Open	Metal	13478426
DN150	DN250	0.5 / 0.69	125	Open	Metal	13478419
DN200	DN300	0.2 / 0.26	165	Open	Metal	13478433
DN200	DN300	2.01 / 2.6	165	Open	Metal	13478441
DN200	DN300	0.44 / 0.59	165	Open	Metal	13478436
DN200	DN300	6.46 / 8.1	165	Open	Metal	13478446
DN200	DN300	3.41 / 4.2	165	Open	Metal	13478443
DN200	DN300	0.27 / 0.32	165	Open	Metal	13478434
DN200	DN300	0.6 / 0.82	165	Open	Metal	13478437
DN200	DN300	5.26 / 6.45	165	Open	Metal	13478445
DN200	DN300	0.83 / 1.15	165	Open	Metal	13478438
DN200	DN300	4.21 / 5.25	165	Open	Metal	13478444
DN200	DN300	2.61 / 3.4	165	Open	Metal	13478442
DN200	DN300	1.16 / 1.48	165	Open	Metal	13478439
DN200	DN300	8.11 / 10	165	Open	Metal	13478447
DN200	DN300	1.49 / 2	165	Open	Metal	13478440
DN200	DN300	0.33 / 0.43	165	Open	Metal	13478435

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.