



ARI Spring-loaded safety valve Type 597B series 12.924 cast iron low-lifting flange

The set pressure must be specified when ordering.

Characteristics

Series: 12.924

Type: 597B

Norm: ISO 4126-1

Model: Spring-loaded safety valve

Construction type: Angle Pattern

Housing material inlet side: Cast iron

Material quality inlet side: EN-JL1040

Housing material outlet side: Cast iron

Material quality outlet side: EN-JL1040

Connection inlet side: Flange

Pressure rating inlet side: PN16

Connection outlet side: Flange

Pressure rating outlet side: PN16

Flange finish: Raised face

Blow-off characteristic: Low-lifting

Gastight valve: No

Spring cap, closed: No

Material spring bonnet: Cast iron

Material disc: 1.4122

Seat material: 1.4571

Spring material: Spring steel [1.8159]

Spindle material: 1.4021+QT

Medium temperature: -10 / 300 °C

Application

- Vapours.
- Steam.
- Gasses.
- Liquids (for large quantities).

Technical Information

- Ideal for medium-sized capacities.
- Suitable for thermal expansion and overflow applications.
- The proportional range ensures quiet operation, especially for liquids.

Approval

- Available with Lloyds adjustment certificate.
- TÜV.
- PED.
- DNV.

Options

- Stainless steel bellows.
- O-ring in valve: EPDM, neoprene [CR] or FPM [FKM].
- O-ring seal on valve: EPDM, neoprene [CR] or FPM [FKM].

Nominal inner diameter inlet side	Nominal inner diameter outlet side	Adjustment range	Valve bore	Valve lifter	Sealing	Article
		bar	mm			
DN15	DN15	7 / 10	12	Open	Metal	13606364
DN15	DN15	0.5 / 1	12	Open	Metal	13606357
DN15	DN15	1.4 / 1.9	12	Open	Metal	13606359
DN15	DN15	2.5 / 3.5	12	Open	Metal	13606361
DN15	DN15	1 / 1.4	12	Open	Metal	13606358
DN15	DN15	5 / 7	12	Open	Metal	13606363
DN15	DN15	1.9 / 2.5	12	Open	Metal	13606360
DN15	DN15	0.3 / 0.5	12	Open	Metal	13606356
DN15	DN15	10 / 16	12	Open	Metal	13606365
DN15	DN15	3.5 / 5	12	Open	Metal	13606362
DN20	DN20	7.1 / 10.5	12	Open	Metal	13478007
DN20	DN20	1.45 / 1.9	12	Open	Metal	13478001
DN20	DN20	2.55 / 3.5	12	Open	Metal	13478003
DN20	DN20	0.52 / 1	12	Open	Metal	13477999
DN20	DN20	1.95 / 2.5	12	Open	Metal	13478002
DN20	DN20	10.6 / 16	12	Open	Metal	13478008
DN20	DN20	5.6 / 7	12	Open	Metal	13478006

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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
DN20	DN20	1.05 / 1.4	12	Open	Metal	13478000
DN20	DN20	0.3 / 0.5	12	Open	Metal	13477998
DN20	DN20	4.1 / 5.5	12	Open	Metal	13478005
DN20	DN20	3.55 / 4	12	Open	Metal	13478004
DN25	DN25	15.1 / 16	15	Open	Metal	13478018
DN25	DN25	10.6 / 15	15	Open	Metal	13478017
DN25	DN25	2.05 / 2.7	15	Open	Metal	13478012
DN25	DN25	0.2 / 0.6	15	Open	Metal	13478009
DN25	DN25	0.62 / 1.1	15	Open	Metal	13478010
DN25	DN25	3.8 / 5	15	Open	Metal	13478014
DN25	DN25	2.75 / 3.7	15	Open	Metal	13478013
DN25	DN25	1.15 / 2	15	Open	Metal	13478011
DN25	DN25	8.1 / 10.5	15	Open	Metal	13478016
DN25	DN25	5.1 / 8	15	Open	Metal	13478015
DN32	DN32	3.35 / 5.2	18	Open	Metal	13478024
DN32	DN32	0.82 / 1.2	18	Open	Metal	13478021
DN32	DN32	1.25 / 2	18	Open	Metal	13478022
DN32	DN32	0.2 / 0.55	18	Open	Metal	13478019
DN32	DN32	11.6 / 16	18	Open	Metal	13478027
DN32	DN32	0.57 / 0.8	18	Open	Metal	13478020
DN32	DN32	2.05 / 3.3	18	Open	Metal	13478023
DN32	DN32	8.1 / 11.5	18	Open	Metal	13478026
DN32	DN32	5.3 / 8	18	Open	Metal	13478025
DN40	DN40	0.62 / 1.1	20	Open	Metal	13478030
DN40	DN40	0.42 / 0.6	20	Open	Metal	13478029
DN40	DN40	2.75 / 4.3	20	Open	Metal	13478033
DN40	DN40	1.15 / 1.8	20	Open	Metal	13478031
DN40	DN40	6.1 / 9	20	Open	Metal	13478035
DN40	DN40	1.85 / 2.7	20	Open	Metal	13478032
DN40	DN40	12.1 / 16	20	Open	Metal	13478037
DN40	DN40	9.1 / 12	20	Open	Metal	13478036
DN40	DN40	4.4 / 6	20	Open	Metal	13478034
DN40	DN40	0.2 / 0.4	20	Open	Metal	13478028
DN50	DN50	2.55 / 3.2	29	Open	Metal	13478043
DN50	DN50	13.1 / 16	29	Open	Metal	13478047
DN50	DN50	8.6 / 13	29	Open	Metal	13478046
DN50	DN50	0.42 / 0.6	29	Open	Metal	13478039
DN50	DN50	1.25 / 1.8	29	Open	Metal	13478041
DN50	DN50	0.62 / 1.2	29	Open	Metal	13478040
DN50	DN50	1.85 / 2.5	29	Open	Metal	13478042
DN50	DN50	4.6 / 8.5	29	Open	Metal	13478045
DN50	DN50	3.25 / 4.5	29	Open	Metal	13478044
DN50	DN50	0.2 / 0.4	29	Open	Metal	13478038
DN65	DN65	0.52 / 1.2	36	Open	Metal	13478049
DN65	DN65	6.9 / 8.5	36	Open	Metal	13478056
DN65	DN65	2.75 / 3.4	36	Open	Metal	13478052
DN65	DN65	8.6 / 14	36	Open	Metal	13478057
DN65	DN65	3.45 / 4.5	36	Open	Metal	13478053
DN65	DN65	4.6 / 5.5	36	Open	Metal	13478054
DN65	DN65	5.6 / 6.8	36	Open	Metal	13478055
DN65	DN65	1.25 / 2	36	Open	Metal	13478050
DN65	DN65	14.1 / 16	36	Open	Metal	13478058

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Nominal inner diameter inlet side	Nominal inner diameter outlet side	Adjustment range bar	Valve bore mm	Valve lifter	Sealing	Article
DN65	DN65	2.05 / 2.7	36	Open	Metal	13478051
DN65	DN65	0.2 / 0.5	36	Open	Metal	13478048
DN80	DN80	2.15 / 2.6	44	Open	Metal	13478062
DN80	DN80	1.25 / 2.1	44	Open	Metal	13478061
DN80	DN80	0.62 / 1.2	44	Open	Metal	13478060
DN80	DN80	2.65 / 3.2	44	Open	Metal	13478063
DN80	DN80	5.6 / 6.5	44	Open	Metal	13478066
DN80	DN80	3.25 / 4.2	44	Open	Metal	13478064
DN80	DN80	4.3 / 5.5	44	Open	Metal	13478065
DN80	DN80	0.2 / 0.6	44	Open	Metal	13478059
DN80	DN80	12.1 / 16	44	Open	Metal	13478069
DN80	DN80	6.6 / 9	44	Open	Metal	13478067
DN80	DN80	9.1 / 12	44	Open	Metal	13478068
DN100	DN100	1.75 / 2.4	55	Open	Metal	13478073
DN100	DN100	2.45 / 3.1	55	Open	Metal	13478074
DN100	DN100	1.15 / 1.7	55	Open	Metal	13478072
DN100	DN100	3.15 / 4	55	Open	Metal	13478075
DN100	DN100	4.1 / 5	55	Open	Metal	13478076
DN100	DN100	8.1 / 11	55	Open	Metal	13478078
DN100	DN100	11.1 / 16	55	Open	Metal	13478079
DN100	DN100	0.52 / 1.1	55	Open	Metal	13478071
DN100	DN100	5.1 / 8	55	Open	Metal	13478077
DN100	DN100	0.2 / 0.5	55	Open	Metal	13478070

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