

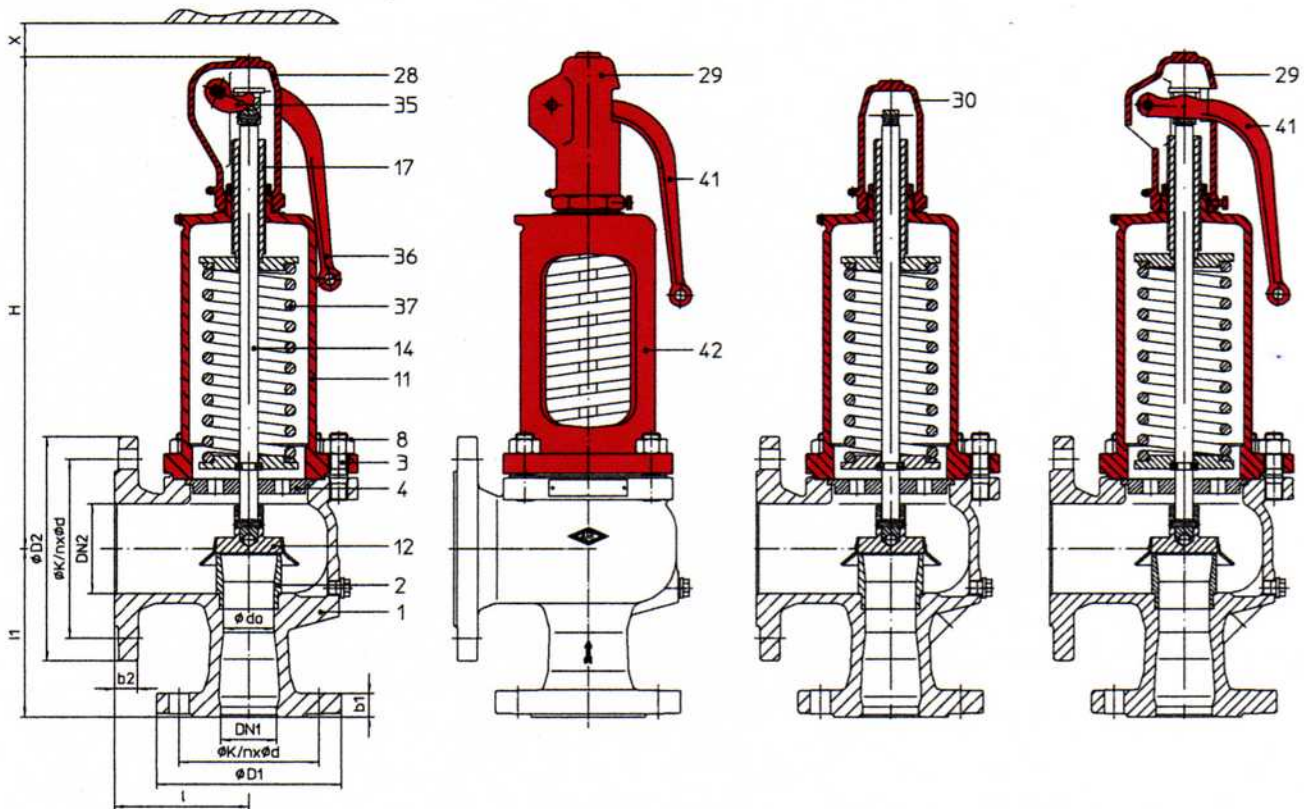
**ARI-SAFE - Full lift safety valve D/G
Standard safety valve F**

Fig. ...901
closed lifting device
closed bonnet

Fig. ...902
open lifting device
open bonnet

Fig. ...911
gastight cap
closed bonnet

Fig. ...912
open lifting device
closed bonnet

Figure	Nom. pressure	Material	Nominal diameter	Temperature range	Flanges	Flangeholes/-thickness tolerances
12.901 / 902 / 911 / 912	PN 16 / 16	EN-JL1040	DN 20/32 up to DN 150/250	- 10°C up to +300°C	DIN EN 1092-2	DIN 2533 / 2533
25.901 / 902 / 911 / 912	PN 40 / 16	EN-JS1049	DN 20/32 up to DN 100/150	- 10°C up to +350°C	DIN EN 1092-2	DIN 28607 / 28605
35.901 / 902 / 911 / 912	PN 40 / 16	1.0619+N	DN 20/32 up to DN 150/250	- 10°C up to +450°C	DIN EN 1092-1	DIN 2545 / 2543
55.901 / 911	PN 40 / 16	1.4408	DN 20/32 up to DN 100/150	- 60°C up to +400°C	DIN EN 1092-1	DIN 2545 / 2543

Type-test approval	Full lift valve:	TÜV · SV ... -663 · D/G	(Stand. valve 0,2-0,5 bar)	set gauge pressure see „Capacity“
	Standard valve:	TÜV · SV ... -663 · F	DN 20-150	

Requirement	Acc. to EN ISO 4126-1, VdTÜV-leaflet 100, AD2000-A2, TRD 421, material selection observe TRB 801 No. 45!
Application	EN-JL1040, EN-JS1049, 1.0619+N steam, neutral gases, vapours and liquids
	1.4408 steam, aggressive gases, vapours and liquids
Construction	Safety valve, spring loaded, direct loaded
Sizing	For steam, air and water see capacity tables, calculation acc. to EN ISO 4126-1, TRD 421 and AD2000-A2, necessary information for valve layout:
Medium gasform:	Mass flow (kg/h), molar mass (kg/kmol), temperature (°C), set gauge pressure (bar), back gauge pressure (bar)
Medium liquid:	Mass flow (kg/h), density (kg/m3), viscosity, temperature (°C), Set gauge pressure (bar), back gauge pressure (bar)
Order data:	ARI-SAFE-safety valve - Figure, DN ... / ..., PN .. / .., Material, set gauge pressure bar

DN	20 / 32	25 / 40	32 / 50	40 / 65	50 / 80	65 / 100	80 / 125	100 / 150	125 / 200	150 / 250
Weight (kg)	8,5	10	14	20	28	40	53	80	125	165
Weight, bellow design (kg)	9,5	11,5	16	22,5	32	47	59	90	--	--

	without metal bellow	with metal bellow
Superimposed back pressure	no backpressure allowed	on request
Built up back pressure	max. 10% from set pressure (gauge) (higher on request)	on request