

**JRG**

**+GF+**

**JRG Valves  
The Next Generation of Safety Valves**

# **JRGARANT**

**Technical Documentation**

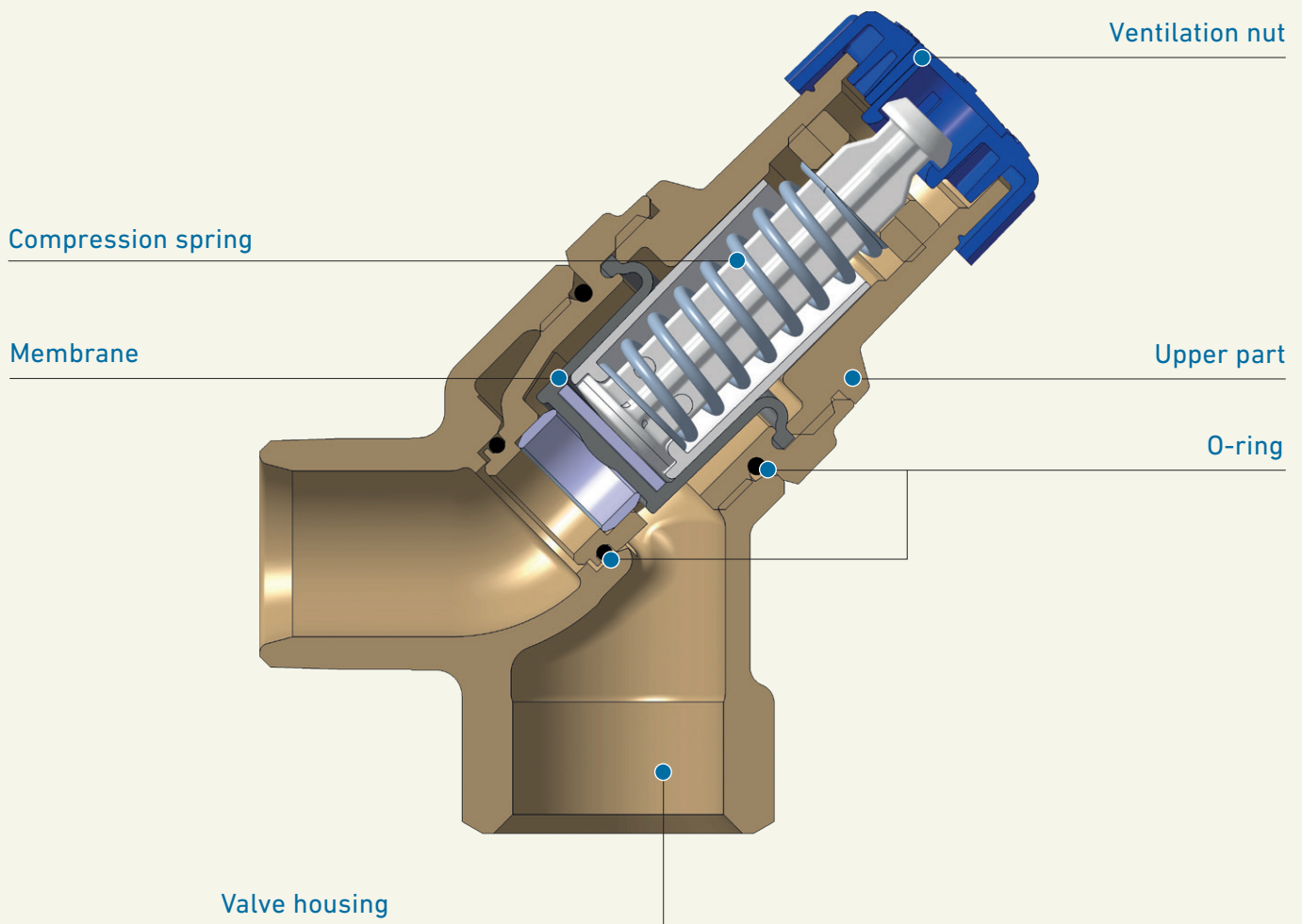


# Safety guaranteed

1025

JRGARANT safety valve

set-to-operate pressure 600 kPa (6 bar)



**1028**

**JRGARANT safety valve**

**adjustable set-to-operate pressure 100-1'000 kPa (1-10 bar)**



Ventilation nut

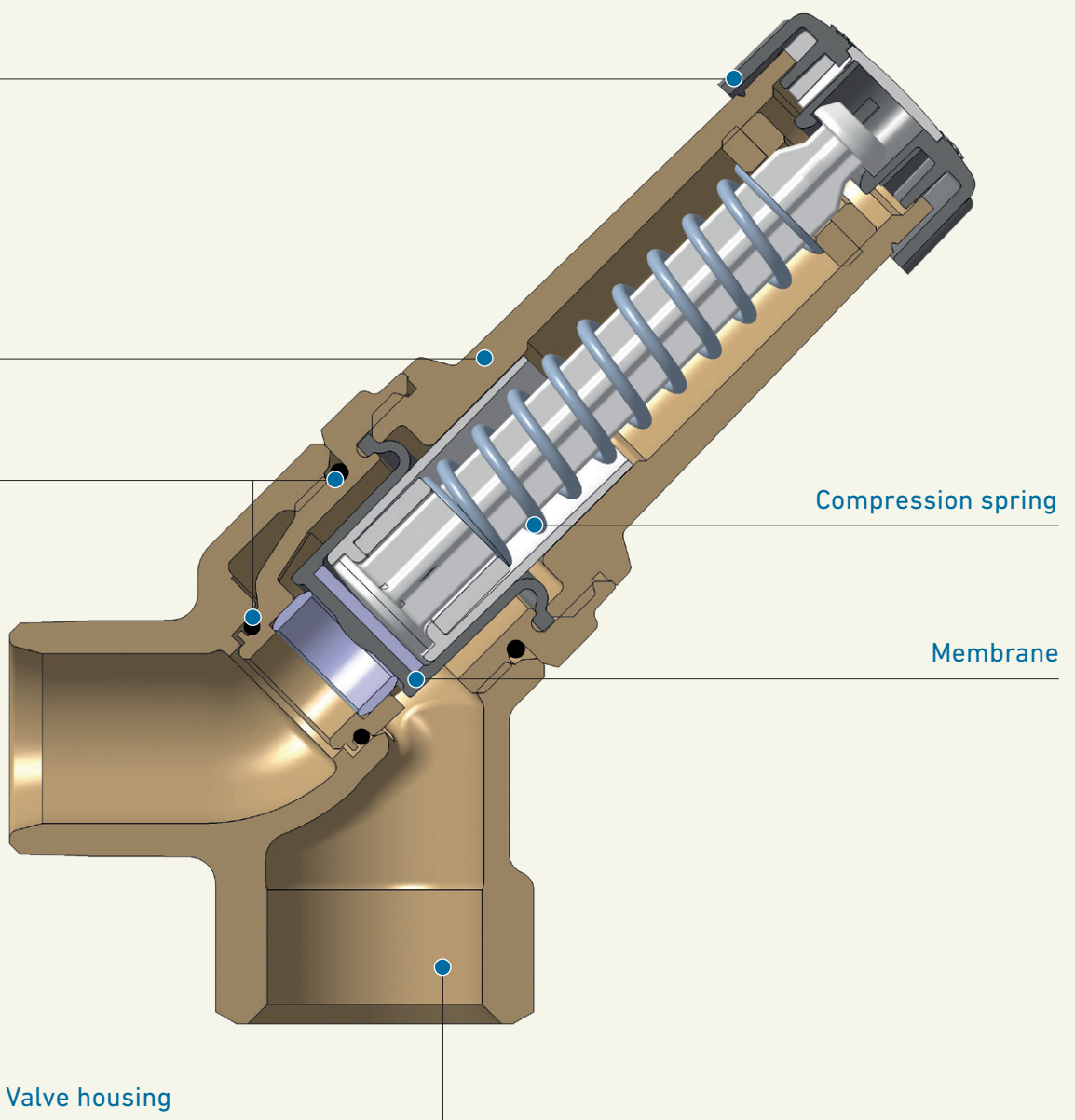
Upper part

O-ring

Compression spring

Membrane

Valve housing



# JRGARANT Safety Valves

**JRGARANT safety valves JRG Code 1025 and 1028 protect water heaters (closed design) from pressure-related overload.**

## Function

When heating water, its volume expands, which causes pressure to increase in a closed system. The backflow preventer installed in the supply line prevents the water from flowing back from the water heater into the piping system. The safety valve opens as soon as the set-to-operate pressure is reached and the water volume that caused the overpressure is discharged.

## Set-to-operate pressure of JRGARANT safety valves

Safety valves JRG Code 1025 are factory-set at 600 kPa (6 bar) and must not be modified.

On request, factory-set pressures of 100 – 1,000 kPa (1 – 10 bar) can be supplied under JRG code 1028. Please specify the desired set-to-operate pressure when placing your order.

## Application

JRGARANT safety valves are approved for the following parameters

Water temperature: Max. 90 °C  
Pressure: Max. 1000 kPa (10 bar)

(Paragraphs 5.3 and 9 of SN EN 1491, as well as paragraph 6.4.2 of W3, SVGW edition 2013)

Water heater			
Water volume	Max. heat output	GN safety valve	Outlet
Litres	kW	valve	pipe
up to 200	75	1/2"	1/2"
200–1'000	150	3/4"	3/4"
1'000–5'000	250	1"	1"

(points 5.3 et 9 de la norme SN EN 1491 ainsi que point 6.4.2 de la norme W3, édition 2013, de la SSIGE)

## Installation

The safety valve must be installed vertically and easily accessible. No shut-off valve may be installed between safety valve and water heater.

Surplus water is to be drained using a visible and free outlet through the shortest possible pipe into a sufficiently dimensioned drainage pipe (see „nomogram discharge capacity – vent position“).

Thoroughly rinse the supply pipe before commissioning the safety valve.

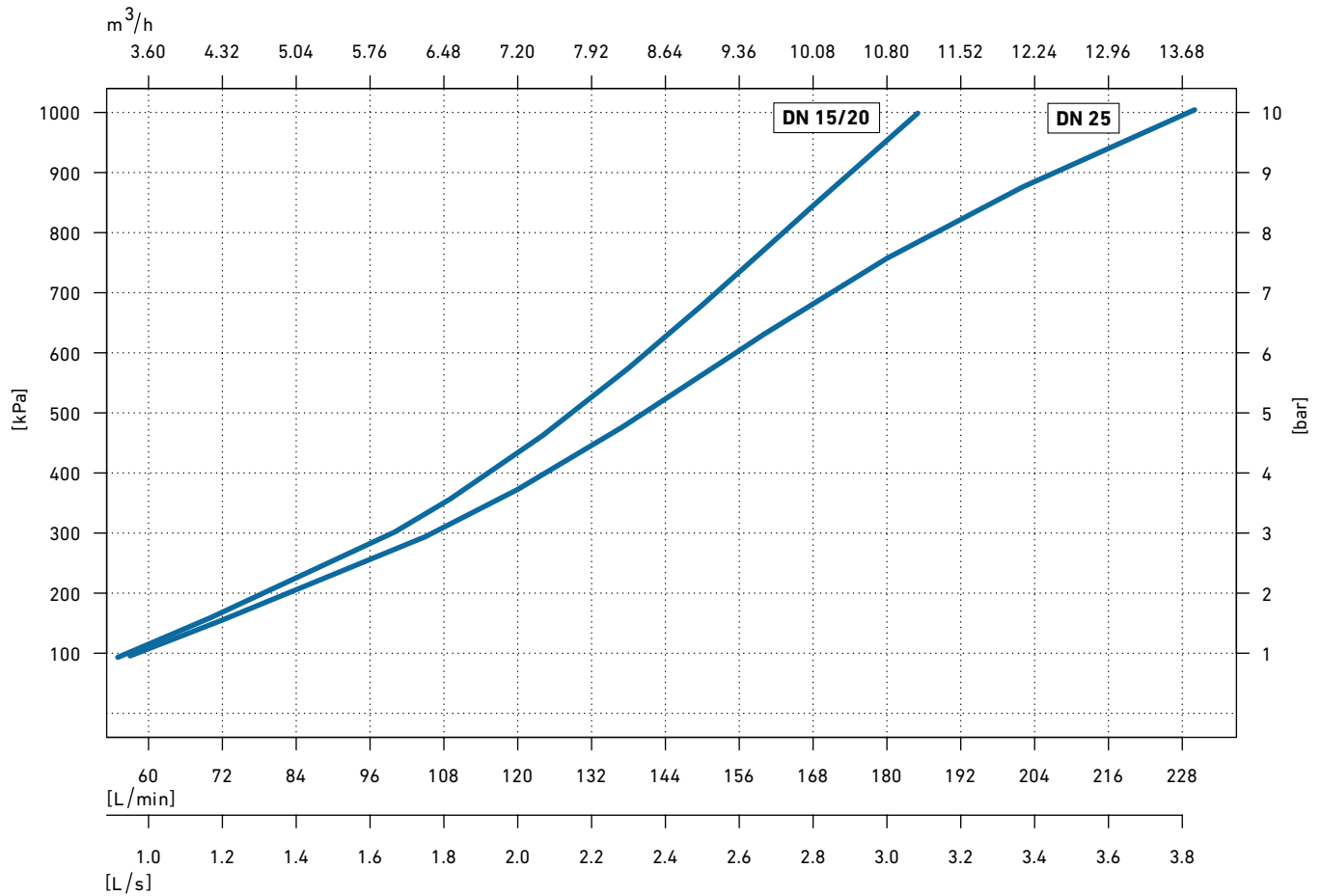
During the heating phase of the water heater, water must leak from the safety valve outlet (expansion).

The drainage pipe or the nozzle of the safety valve must not be closed.

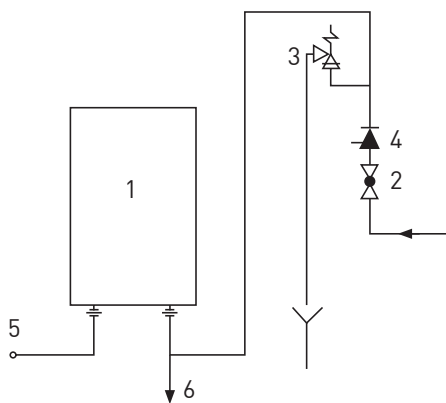


# JRGARANT Safety Valves

## Nomogram discharge capacity – vent position



Connecting a water heater:



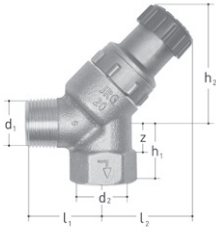
- 1 Water heater
- 2 Shut-off valve
- 3 Safety valve
- 4 Backflow preventer
- 5 Hot water outlet valve
- 6 Drain valve

### Periodic functional checks

By turning the ventilation nut in the direction of the arrow by one notch, the function of the safety valve is checked. By turning the ventilation nut by another notch, the valve is reset to operating position.

The operator of the system is obliged to carry out above-described functional check every six months. The valve must be rinsed for 5 – 10 seconds during this functional check. JRGARANT safety valves are virtually maintenance-free. They must not be repaired.

# Products

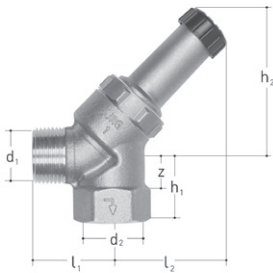


### JRGARANT safety valve gunmetal

- Material: gunmetal
- Factory setting: 600 kPa (6 bar)
- Connection: inlet male thread, outlet female thread

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	½	½	1025.240	350 599 481	0.325
20	¾	¾	1025.320	350 599 581	0.370
25	1	1	1025.400	350 599 610	0.620

DN (mm)	d1 (inch)	R (inch)	d2 (inch)	Rp (inch)	h1 (mm)	h2 (mm)	l1 (mm)	l2 (mm)	PN (bar)	Temperature (°C)	z (mm)
15	½		½		28	60	38	47	10	90	15
20	¾		¾		32	62	41	48	10	90	17
25	1		1		39	65	46	49	10	90	22



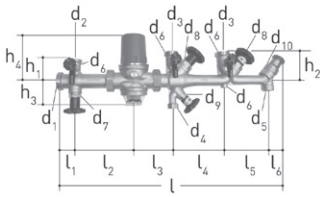
### JRGARANT safety valve gunmetal

- Material: gunmetal
- Factory setting: available between 100 - 1000 kPa (1 - 10 bar)
- Connection: inlet male thread, outlet female thread

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	½	½	1028.240	350 599 944	0.400
20	¾	¾	1028.320	350 599 945	0.684
25	1	1	1028.400	350 599 946	0.684

DN (mm)	GN (inch)	d1 (inch)	R (inch)	d2 (inch)	Rp (inch)	h1 (mm)	h2 (mm)	l1 (mm)	l2 (mm)	PN (bar)	Temperature (°C)	z (mm)
15	½		½		½	28	81	38	38	10	90	15
20	¾		¾		¾	32	81	41	68	10	90	17
25	1		1		1	39	85	46	69	10	90	22

# Products



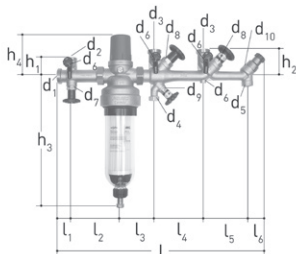
### JRG LegioStop distributor battery complete gunmetal

- Temperature: max. 30°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: PRV 400 kPa (4 bar) adjustment range 200 - 600 kPa (2 - 6 bar), safety valve 600 kPa (6 bar)
- Connection: male thread
- Consisting of: JRGUSIT NG battery valve 5151, JRGURED 1303, JRGUSIT Combi distribution fitting 5191

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	JRG Code	GF Code	Weight (kg)
25	1	25-20-25-25	1511.400	355 623 518	5.870
32	1 ¼	32-20-25-25	1511.480	355 623 528	6.045

d1 G (inch)	d2 G (inch)	d3 G (inch)	d4 Rp (inch)	d5 Rp (inch)	d6 Rp (inch)	d7 G (inch)	d8 G (inch)	d9 G (inch)	d10 TR 30 x 1.5	h1 (mm)	h2 (mm)	h3 (mm)	l (mm)
1 ¼	1	1 ¼	¾	¾	¾	¾	1	½	TR 30 x 1.5	55	77	52	586
1 ½	1	1 ¼	¾	¾	¾	¾	1	½	TR 30 x 1.5	56	77	64	618

l1 (mm)	l2 (mm)	l3 (mm)	l4 (mm)	l5 (mm)	l6 (mm)	PN (bar)
37	133	93	145	130	48	16
42	149	104	145	130	48	16



### JRG LegioStop distributor battery complete gunmetal

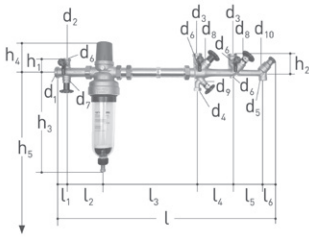
- Temperature: max. 30°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: PRV 400 kPa (4 bar) adjustment range 200 - 600 kPa (2 - 6 bar), safety valve 600 kPa (6 bar)
- Connection: male thread
- Consisting of: JRGUSIT NG battery valve 5151, JRGURED Combi 1353, JRGUSIT Combi distribution fitting 5191

DN-DN-DN-DN (mm)	DN (mm)	Size (inch)	JRG Code	GF Code	Weight (kg)
25-20-25-25	25	1	1521.400	355 623 538	7.665
32-20-25-25	32	1 ¼	1521.480	355 623 548	8.235

DN-DN-DN-DN (mm)	d1 G (inch)	d2 G (inch)	d3 G (inch)	d4 Rp (inch)	d4 G (inch)	d5 Rp (inch)	d6 Rp (inch)	d7 G (inch)	d8 G (inch)	d9 G (inch)	d10 TR 30 x 1.5	h1 (mm)
25-20-25-25	1 ¼	1	1 ¼	¾	¾	¾	¾	¾	1	½	TR 30 x 1.5	55
32-20-25-25	1 ½	1	1 ¼	¾	¾	¾	¾	¾	1	½	TR 30 x 1.5	56

DN-DN-DN-DN (mm)	h2 (mm)	h3 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	l4 (mm)	l5 (mm)	l6 (mm)	PN (bar)
25-20-25-25	77	390	586	37	133	93	145	130	48	16
32-20-25-25	77	393	618	42	149	104	145	130	48	16

# Products



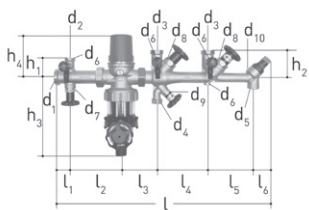
### JRG LegioStop distributor battery complete gunmetal

- Temperature: max. 30°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: PRV 400 kPa (4 bar) adjustment range 200 - 600 kPa (2 - 6 bar), safety valve 600 kPa (6 bar)
- Connection: male thread
- Consisting of: JRGUSIT NG battery valve 5151.200, JRGURED Combi 1353.032, sleeve screw connection 350332105, connector/adaptor 9695.480, JRGUSIT Combi distribution fitting 5191

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	JRG Code	GF Code	Weight (kg)
32	1 ¼	32-20-25-25	1531.480	355 623 568	9.700

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	d1 G (inch)	d2 G (inch)	d3 G (inch)	d4 G (inch)	d5 Rp (inch)	d6 Rp (inch)	d7 G (inch)	d8 G (inch)	d9 G (inch)	d10 TR 30 x 1.5
32	1 ¼	32-20-25-25	1 ½	1	1 ¼	¾	¾	¼	¾	1	½	TR 30 x 1.5

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	h1 (mm)	h2 (mm)	h3 (mm)	h4 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	l4 (mm)	l5 (mm)	l6 (mm)	PN (bar)
32	1 ¼	32-20-25-25	56	77	393	120	897	42	149	383	145	130	48	16



### JRG LegioStop distributor battery complete gunmetal

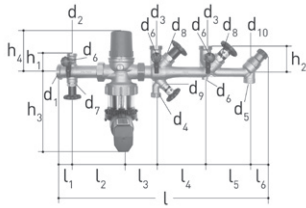
- Temperature: max. 30°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: PRV 400 kPa (4 bar) adjustment range 200 - 600 kPa (2 - 6 bar), safety valve 600 kPa (6 bar)
- Connection: male thread
- Consisting of: JRGUSIT NG battery valve 5151, JRG CleanLine Combi 1370, JRGUSIT Combi distribution fitting 5191

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	JRG Code	GF Code	Weight (kg)
25	1	25-20-25-25	1541.400	355 623 584	7.060
32	1 ¼	32-20-25-25	1541.480	355 623 586	7.470

d1 G (inch)	d2 G (inch)	d3 G (inch)	d4 G (inch)	d5 Rp (inch)	d6 Rp (inch)	d7 G (inch)	d8 G (inch)	d9 G (inch)	d10 TR 30 - 1.5	h1 (mm)	h2 (mm)	h3 (mm)	h4 (mm)
1 ¼	1	1 ¼	¾	¾	¼	¾	1	½	TR 30 - 1.5	55	77	221	110
1 ½	1	1 ¼	¾	¾	¼	¾	1	½	TR 30 - 1.5	56	77	224	120

l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	l4 (mm)	l5 (mm)	l6 (mm)	PN (bar)
586	37	133	93	145	130	48	16
618	42	149	104	145	130	48	16

# Products



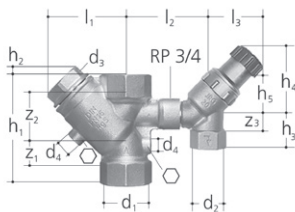
### JRG LegioStop distributor battery complete gunmetal

- Temperature: max. 30°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: PRV 400 kPa (4 bar) adjustment range 200 - 600 kPa (2 - 6 bar), safety valve 600 kPa (6 bar)
- Connection: male thread
- Consisting of: JRGUSIT NG battery valve 5151, JRG CleanLine Combi 1371, JRGUSIT Combi distribution fitting 5191

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	JRG Code	GF Code	Weight (kg)
25	1	25-20-25-25	1542.400	355 623 573	6.600
32	1 ¼	32-20-25-25	1542.480	355 623 583	7.920

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	d1 G (inch)	d2 G (inch)	d3 G (inch)	d4 G (inch)	d5 Rp (inch)	d6 Rp (inch)	d7 G (inch)	d8 G (inch)	d9 G (inch)	d10
25	1	25-20-25-25	1 ¼	1	1 ¼	¾	¾	¼	¾	1	½	TR 30 - 1.5
32	1 ¼	32-20-25-25	1 ½	1	1 ¼	¾	¾	¼	¾	1	½	TR 30 - 1.5

DN (mm)	Size (inch)	DN-DN-DN-DN (mm)	h1 (mm)	h2 (mm)	h3 (mm)	h4 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	l4 (mm)	l5 (mm)	l6 (mm)	PN (bar)
25	1	25-20-25-25	55	77	221	110	599	37	134	105	145	130	48	16
32	1 ¼	32-20-25-25	56	77	224	120	634	42	150	120	145	130	48	16



### JRG Safety set gunmetal

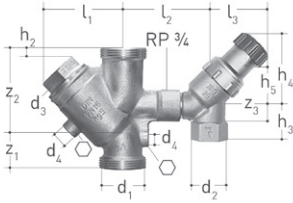
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: female thread
- Consisting of: non-return valve closable, safety valve

GN (inch)	DN (mm)	Size (inch)	JRG Code	GF Code	Weight (kg)
¾	20	¾	1630.320	351 061 281	0.730
1	25	1	1630.400	351 061 283	1.030
1 ¼	32	1 ¼	1630.480	351 061 285	1.290

GN (inch)	DN (mm)	d1 Rp (inch)	d2 Rp (inch)	d3 G (inch)	d4 Rp (inch)	h1 (mm)	h2 (mm)	h3 (mm)	h4 (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)	z2 (mm)
¾	20	¾	¾	¾	¼	75	8	32	62	56	77	48	10	12	33
1	25	1	¾	1	¼	90	10	32	62	68	82	48	10	15	40
1 ¼	32	1 ¼	¾	1 ¼	¼	110	9	32	62	80	87	48	10	19	52

GN (inch)	DN (mm)	z3 (mm)	○
¾	20	17	6
1	25	17	6
1 ¼	32	17	6

# Products



### JRG Safety set gunmetal

- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: male thread
- Consisting of: non-return valve, safety valve

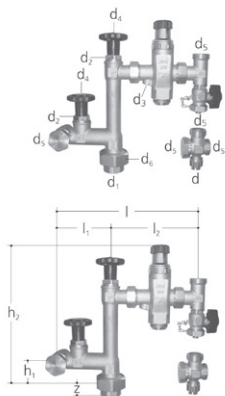
DN (mm)	Size (inch)	JRG Code	GF Code	Weight (kg)
20	¾	1631.020	351 061 181	0.739
25	1	1631.025	351 061 183	1.050
32	1 ¼	1631.032	351 061 185	1.280

DN (mm)	d1 G (inch)	d2 Rp (inch)	d3 G (inch)	d4 Rp (inch)	h2 (mm)	h3 (mm)	h4 (mm)	h5 (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)	z2 (mm)	z3 (mm)
20	1	¾	¾	¼	7	32	62	37	56	77	48	10	24	63	17
25	1 ¼	¾	1	¼	7	32	62	49	68	82	48	10	25	75	17
32	1 ½	¾	1 ¼	¼	9	32	82	57	80	87	48	10	30	89	17

DN (mm)	Ø
20	6
25	6
32	6

### JRG Shut-off and safety set gunmetal

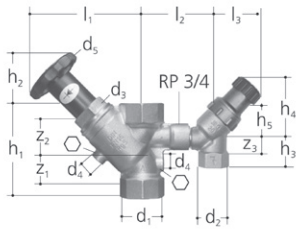
- Description: for water heater cabinet models of closed design
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Consisting of: shut-off valves, safety group, ball boiler valve, distribution junction, cap, unions



d (mm)	GN (inch)	Size (inch)	DN (mm)	JRG Code	GF Code	Weight (kg)
16	1	1	25	2171.100	350 896 081	3.000

d (mm)	d1 Rp (inch)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 G (inch)	d6 G (inch)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	PN (bar)	z (mm)
16	1	¾	¼	53	1	1 ½	40	253	258	95	162	10	10

# Products



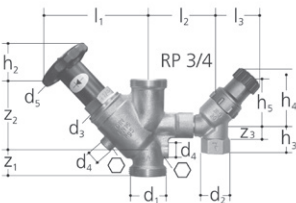
### JRG LegioStop shut-off and safety set gunmetal

- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: female thread
- Consisting of: non-return valve closable, safety valve

GN (inch)	Size (inch)	DN (mm)	JRG Code	GF Code	Weight (kg)
	3/4	20	2190.320	351 061 280	0.950
1	1	25	2190.400	351 061 282	1.350
1 1/4	1 1/4	32	2190.480	351 061 284	1.650

GN (inch)	d1 Rp (inch)	d2 R (inch)	d3 G (inch)	d4 Rp (inch)	h1 (mm)	h2 (mm)	h3 (mm)	h4 (mm)	h5 (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)	z2 (mm)
3/4	3/4	3/4	3/4	1/4	75	57	32	62	22	105	77	48	10	12	33
1	1	3/4	1	1/4	90	59	32	62	32	117	82	48	10	15	40
1 1/4	1 1/4	3/4	1 1/4	1/4	110	59	32	62	40	130	87	48	10	19	52

GN (inch)	z3 (mm)	⊙
3/4	17	6
1	17	6
1 1/4	17	6



### JRG LegioStop shut-off and safety set gunmetal

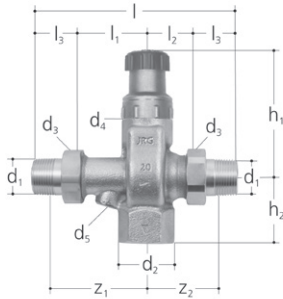
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: male thread
- Consisting of: non-return valve closable, safety valve

Size (inch)	DN (mm)	JRG Code	GF Code	Weight (kg)
3/4	20	2191.020	351 061 180	1.110
1	25	2191.025	351 061 182	1.290
1 1/4	32	2191.032	351 061 184	1.500

d1 G (inch)	d2 Rp (inch)	d3 G (inch)	d4 Rp (inch)	d5 (mm)	h2 (mm)	h3 (mm)	h4 (mm)	h5 (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)	z2 (mm)	z3 (mm)
1	3/4	3/4	1/4	53	42	32	62	37	105	77	48	10	24	63	17
1 1/4	3/4	1	1/4	60	42	32	62	48	117	82	48	10	25	75	17
1 1/2	3/4	1 1/4	1/4	70	42	32	82	57	130	87	48	10	30	89	17

⊙
6
6
6

# Products

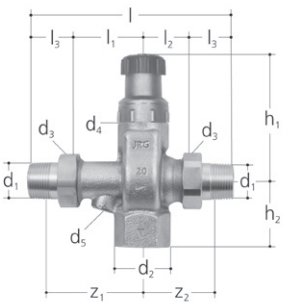


### JRG Safety group gunmetal

- Temperature: max. 90°C
- Material: gunmetal, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: male thread
- Consisting of: non return valve, safety valve, unions

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	½	½	2200.240	350 782 280	0.600
20	¾	¾	2200.320	350 782 380	0.900

DN (mm)	GN (inch)	d1 R (inch)	d2 Rp (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)	z2 (mm)
15	½	½	¾	¾	30	¼	83	38	130	45	35	25	10	61	52
20	¾	¾	1	1	30	¼	87	47	144	52	35	29	10	70	54



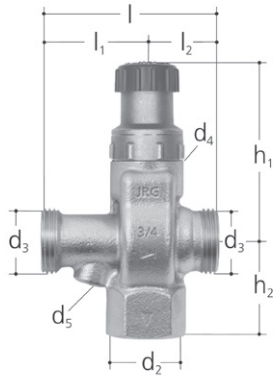
### JRG Safety group gunmetal chromium-plated

- Temperature: max. 90°C
- Material: gunmetal, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: male thread
- Consisting of: non return valve, safety valve, unions

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	½	½	2200.241	350 782 284	0.690
20	¾	¾	2200.321	350 782 384	0.900

DN (mm)	GN (inch)	d1 R (inch)	d2 Rp (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)	z2 (mm)
15	½	½	¾	¾	30	¼	83	38	130	45	35	25	10	61	52
20	¾	¾	1	1	30	¼	87	47	144	52	35	29	10	70	54

# Products

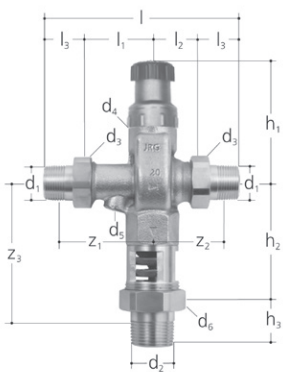


### JRG Safety group gunmetal

- Temperature: max. 90°C
- Material: gunmetal, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: male thread
- Consisting of: non return valve, safety valve, without unions

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	½	½	2203.015	350 782 282	0.560
20	¾	¾	2203.020	350 782 382	0.874

DN (mm)	GN (inch)	d2 Rp (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	PN (bar)
15	½	¾	¾	30	¼	83	38	80	45	35	10
20	¾	1	1	30	¼	87	47	87	52	35	10



### JRG Safety group gunmetal

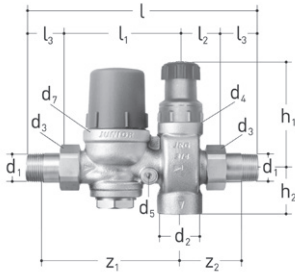
- Temperature: max. 90°C
- Material: gunmetal, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: male thread
- Consisting of: non return valve, safety valve, unions, pipe interrupter

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	½	½	2210.240	350 782 283	0.750
20	¾	¾	2210.320	350 782 383	1.200

DN (mm)	GN (inch)	d1 R (inch)	d2 R (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	d6 G (inch)	h1 (mm)	h2 (mm)	h3 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)
15	½	½	1	¾	30	¼	1	83	75	29	130	45	35	25	10
20	¾	¾	1	1	30	¼	1 ¼	87	87	34	144	52	35	29	10

DN (mm)	GN (inch)	z1 (mm)	z2 (mm)	z3 (mm)
15	½	61	52	94
20	¾	70	54	110

# Products



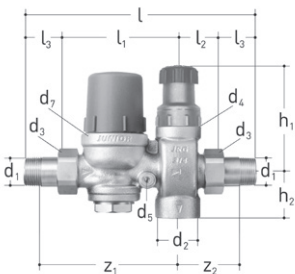
### JUNIOR safety group gunmetal

- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: pressure reducing valve 400 kPa (4 bar), safety valve 600 kPa (6 bar)
- Connection: female thread, male thread
- Consisting of: coarse filter, pressure reducing valve, safety valve, back flow preventer, unions

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	1/2	1/2	2230.240	350 712 980	1.100
20	3/4	3/4	2230.320	350 713 080	1.480

DN (mm)	GN (inch)	d1 R (inch)	d2 Rp (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	d7 (mm)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)
15	1/2	1/2	3/4	3/4	30	1/4	52	83	34	165	86	29	25	16	102
20	3/4	3/4	1/4	1/4	30	1/4	58	87	40	182	95	30	29	16	113

DN (mm)	GN (inch)	z2 (mm)
15	1/2	46
20	3/4	49



### JUNIOR safety group gunmetal chromium-plated

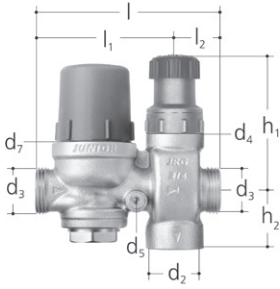
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: pressure reducing valve 400 kPa (4 bar), safety valve 600 kPa (6 bar)
- Connection: female thread, male thread
- Consisting of: coarse filter, pressure reducing valve, safety valve, back flow preventer, unions

DN (mm)	GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)
15	1/2	1/2	2230.241	350 712 984	1.110
20	3/4	3/4	2230.321	350 713 084	1.480

DN (mm)	GN (inch)	Size (inch)	d R (inch)	d2 Rp (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	z1 (mm)
15	1/2	1/2	1/2	3/4	3/4	30	1/4	83	34	165	86	29	25	16	102
20	3/4	3/4	3/4	1	1	30	1/4	87	40	182	95	30	29	16	113

DN (mm)	GN (inch)	Size (inch)	z2 (mm)
15	1/2	1/2	46
20	3/4	3/4	49

# Products

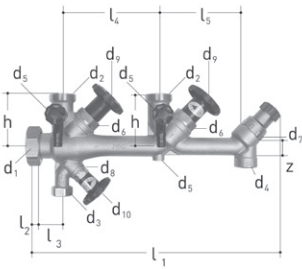


### JUNIOR safety group gunmetal

- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: pressure reducing valve 400 kPa (4 bar), safety valve 600 kPa (6 bar)
- Connection: female thread, male thread
- Consisting of: coarse filter, pressure reducing valve, safety valve, back flow preventer, without unions

GN (inch)	Size (inch)	DN (mm)	JRG Code	GF Code	Weight (kg)
1/2	1/2	15	2233.015	350 712 982	1.000
3/4	3/4	20	2233.020	350 713 082	1.280

GN (inch)	d2 Rp (inch)	d3 G (inch)	d4 (mm)	d5 Rp (inch)	d7 (mm)	h1 (mm)	h2 (mm)	l (mm)	l1 (mm)	l2 (mm)	PN (bar)
1/2	3/4	3/4	30	1/4	52	83	34	115	86	29	16
3/4	1	1	30	1/4	58	87	40	125	95	30	16



### JRG LegioStop JRGUSIT Combi distribution fitting gunmetal

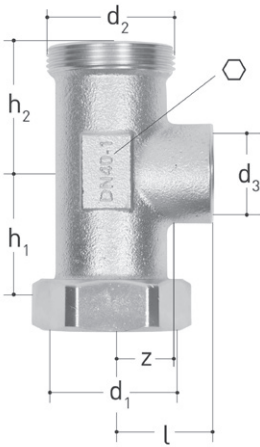
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Factory setting: 600 kPa (6 bar)
- Connection: inlet female thread, outlet male thread
- Consisting of: stop valve, check valve closable, safety valve, heating charging valve, 2 drain valves, 3 test and closing plugs fitted, cap, non-rising handwheels

DN (mm)	Size (inch)	DN-DN-DN (mm)	JRG Code	GF Code	Weight (kg)
25	1	25 - 25 - 25	5191.400	355 643 181	2.860
32	1 1/4	32 - 25 - 25	5191.480	355 643 183	2.900

DN (mm)	d1 G (inch)	d2 G (inch)	d3 G (inch)	d4 Rp (inch)	d5 Rp (inch)	d6 G (inch)	d7 (mm)	d8 G (inch)	d9 (mm)	d10 (mm)	d12 (mm)	h (mm)	l1 (mm)	l2 (mm)
25	1 1/4	1 1/4	3/4	3/4	1/4	1	TR 30 x 1.5	1/2	60	53	53	77	364	8
32	1 1/2	1 1/4	3/4	3/4	1/4	1	TR 30 x 1.5	1/2	60	53	53	77	365	9

DN (mm)	l3 (mm)	l4 (mm)	l5 (mm)	z (mm)
25	43	145	130	17
32	44	145	130	17

# Accessories



### JRG Tee gunmetal

- Material: gunmetal, EPDM
- Connection: passage female/male thread, outlet female thread

DN (mm)	JRG Code	GF Code	Weight (kg)	d1 G (inch)	d2 G (inch)	d3 Rp (inch)	h1 (mm)	h2 (mm)	l (mm)	z (mm)	⬡
40	<b>8740.040</b>	<b>350 895 540</b>	0.630	1 3/4	1 3/4	1	54	53	42	25	48
50	<b>8740.050</b>	<b>350 895 550</b>	0.990	2 3/8	2 3/8	1	57	55	47	30	58

# Spare parts



### JRGARANT from 2008 upper part brass

- Description: to 1025, 1028, 1630, 1631, 2190, 2191
- Material: metal
- Factory setting: 600 kPa (6 bar)

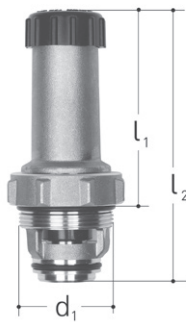
GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)	d1	l1 (mm)	l2 (mm)	PN (bar)
½ - ¾	¾	1045.320	350 599 980	0.170	TR30x1.5	47	70	10
1	1	1045.400	350 599 940	0.282	TR36x1.5	47	76	10



### JRGARANT from 2008 upper part brass chromium-plated

- Description: to 1025, 1028, 1630, 1631, 2190, 2191
- Material: metal
- Factory setting: 600 kPa (6 bar)

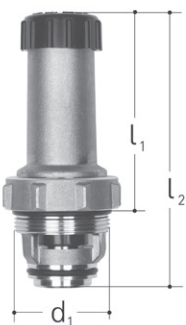
GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)	d1	l1 (mm)	l2 (mm)	PN (bar)
½ - ¾	¾	1045.321	350 599 928	0.170	TR30x1.5	47	70	10



### JRGARANT from 2008 upper part brass

- Description: to 1025, 1028, 1630, 1631, 2190, 2191
- Material: metal
- Factory setting: available between 100 - 1000 kPa (1 - 10 bar)

GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)	d1	l1 (mm)	l2 (mm)	PN (bar)
½ - ¾	¾	1048.320	350 599 952	0.233	TR30x1.5	74	97	10
1	1	1048.400	350 599 953	0.340	TR36x1.5	74	102	10

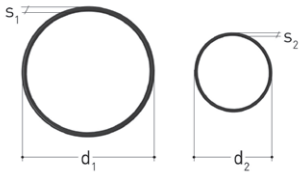


### JRGARANT from 2008 upper part brass chromium-plated

- Description: to 1025, 1028, 1630, 1631, 2190, 2191
- Material: metal
- Factory setting: available between 100 - 1000 kPa (1 - 10 bar)

GN (inch)	Size (inch)	JRG Code	GF Code	Weight (kg)	d1	l1 (mm)	l2 (mm)	PN (bar)
½ - ¾	¾	1048.321	350 599 955	0.233	TR30x1.5	74	70	10

# Spare parts



**JRGARANT from 2008 o-ring kit EPDM**

- Description: to JRGARANT
- Material: EPDM

GN (inch)	DN (mm)	Size (inch)	JRG Code	GF Code	Weight (kg)	d1 (mm)	S1 (mm)	d2 (mm)	S2 (mm)
1/2 - 3/4	20	3/4	<b>1045.001</b>	<b>350 599 937</b>	0.003	26	2	16	2
1	25	1	<b>1045.002</b>	<b>350 599 938</b>	0.003	32	2	23	2



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