

**JRG**

**+GF+**

# JRG valves with flange adapters



# JRG valves with flange adapters

We are complementing our product line by adding below valves with pre-sealed flange adapters. These valves consist of an already established and well-proven valve (basic valve) and two screwed-in flange adapters.

The flange adapters on the JRG valves are pre-sealed with hemp and fully leak tested.

Please note that not every version is available in all dimensions. We would ask you to take further details from this documentation.

## + Benefits

- You can use the flange adapters to connect components of similar or different materials
- You can reuse the loose flanges if you plan to extend your piping system
- Easy to install



The following items are available as valve with flange adapters:

Designation	Basic valve with female thread JRG Code	Valve with flange adapters JRG Code
Backflow preventer	1610	1614
Inclined filter	1812	1814
JRG LegioStop angle seat valve, without drain	5200	5204
JRG LegioStop angle seat valve, with drain	5221	5220
JRG LegioStop closable check valve, with connection for test and drain valves	5266	5264
JRG LegioStop straight valve, without drain	5350	5351
JRG LegioStop straight valve, with drain	5371	5374

## Installation and use

Depending on the respective basic valve, the wetted parts of the JRG valves with flange adapters are made of gunmetal, stainless steel, EPDM or POM.

The valves come with the well-proven loose flanges made of PP/steel featuring pitch circle diameters according to EN 1092.

All above valves can be used for pressures up to 1,600 kPa (16 bars/PN16) and temperatures up to 90 °C. Each valve comes with two profiled flange gaskets made of EPDM.

Please note that the flange bolts are not included in the package. According to DVS 2210-1 bolts should protrude by 2-3 thread grooves when using flange connections.

### Thickness of washers:

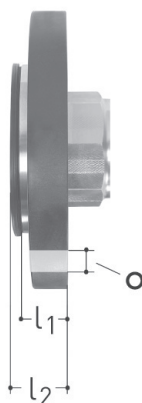
DN 10 to DN 25		3 mm
DN 32 to DN 80		4 mm

### Thickness of profiled gasket:

DN 10 to DN 40		about 3 mm
DN 50 to DN 80		about 4 mm

The following table is intended as a guide to determine the required bolt length.

## Flange adapters



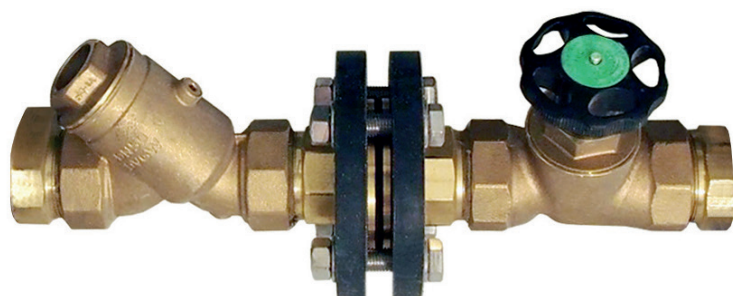
GN	DN	Ø	l <sub>1</sub>	l <sub>2</sub>
1	25	4x Ø14	21	24
1¼	32	4x Ø18	21.5	24.5
1½	40	4x Ø18	24	27
2	50	4x Ø18	26.5	30.5
2½	65	4x Ø18	27.5	31.5
3	80	8x Ø18	28	32

## Tightening torque

GN	DN	Reference values for tightening torque [Nm]* when using the enclosed profiled gaskets
1	25	10
1¼	32	15
1½	40	15
2	50	20
2½	65	25
3	80	15

\* GF recommends using given tightening torques. The given tightening torques ensure a sufficient tightness of the flange. They differ from the values stated in DVS 2210-1, Supplement 3, which are to be understood as upper limits (except DN65).

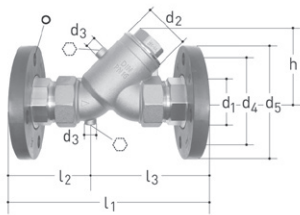
## Installation example



## Availability

Georg Fischer JRG AG picks and dispatches all above items from its Sissach factory within 72 hours after receipt of order.

# Product range

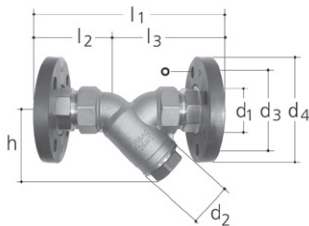


## JRG Check valve gunmetal

- Description: Drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Opening pressure: < 5 kPa (< 50 mbar)
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
40	40	<b>1614.040</b>	<b>350 898 304</b>	4.230
50	50	<b>1614.050</b>	<b>350 898 305</b>	6.650
65	65	<b>1614.065</b>	<b>350 898 306</b>	9.450

DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	⊕	○
40	40	1 ½	¼	110	150	91	229	94	135	16	6	4x18
50	50	2	¼	125	165	107	262	104	158	16	6	4x18
65	65	2 ½	¼	145	185	116	296	110	187	16	6	4x18



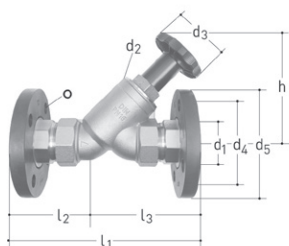
## JRG Slanted filter gunmetal

- Description: Drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 100°C (water, air, oil, etc.)
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
40	40	<b>1814.040</b>	<b>350 871 340</b>	4.160
50	50	<b>1814.050</b>	<b>350 871 350</b>	6.570
65	65	<b>1814.065</b>	<b>350 871 365</b>	9.630
80	80	<b>1814.080</b>	<b>350 871 380</b>	12.680

DN (mm)	d1 (mm)	d2 G (inch)	d3 (mm)	d4 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	μm	○
40	40	1 ½	110	150	89	229	94	135	16	250	4x18
50	50	2	125	165	111	262	104	158	16	250	4x18
65	65	2 ½	145	185	122	296	110	187	16	560	4x18
80	80	3	160	200	136	333	122	212	16	560	8x18

# Product range

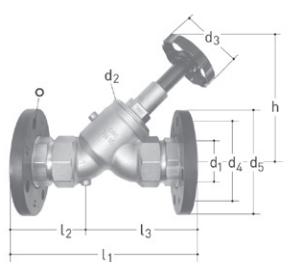


## JRG LegioStop Y-type valve with flanges gunmetal

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
25	25	5204.025	350 895 726	2.530
32	32	5204.032	350 895 727	3.500
40	40	5204.040	350 895 728	4.540
50	50	5204.050	350 895 729	7.080

DN (mm)	d1 (mm)	d2 G (inch)	d3 (mm)	d4 (mm)	d5 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○
25	25	1	60	85	115	117	188	82	107	16	4x14
32	32	1 ¼	70	100	140	130	213	90	123	16	4x18
40	40	1 ½	90	110	150	148	229	94	135	16	4x18
50	50	2	90	125	165	169	262	104	158	16	4x18



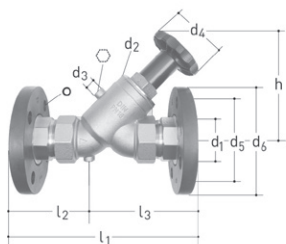
## JRG LegioStop Y-type valve with flanges gunmetal

- Description: free of water pockets and maintenance free top, rising handwheel, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, metal
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
65	65	5204.065	350 895 730	10.340
80	80	5204.080	350 895 731	13.020

DN (mm)	d1 (mm)	d2 G (inch)	d3 (mm)	d4 (mm)	d5 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○
65	65	2 ½	120	145	185	260	296	110	187	16	4x18
80	80	3	120	160	200	277	333	122	212	16	8x18

# Product range

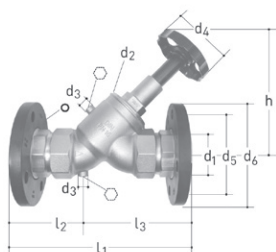


## JRG LegioStop Y-type valve gunmetal With flanges

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
25	25	5220.025	350 895 526	2.550
32	32	5220.032	350 895 527	3.520
40	40	5220.040	350 895 528	4.560
50	50	5220.050	350 895 529	7.090

DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	d6 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○	◇
25	25	1	¼	60	85	115	117	188	82	107	16	4x14	6
32	32	1 ¼	¼	70	100	140	130	213	90	123	16	4x18	6
40	40	1 ½	¼	90	110	150	148	229	94	135	16	4x18	6
50	50	2	¼	90	125	165	169	262	104	158	16	4x18	6



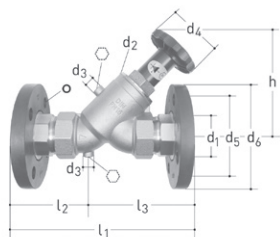
## JRG LegioStop Y-type valve gunmetal With flanges

- Description: free of water pockets and maintenance free top, rising handwheel, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, metal
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
65	65	5220.065	350 895 936	10.360
80	80	5220.080	350 895 937	13.030

DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	d6 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○	◇
65	65	2 ½	¼	120	145	185	260	296	110	187	16	4x18	6
80	80	3	¼	120	160	200	277	333	122	212	16	8x18	6

# Product range

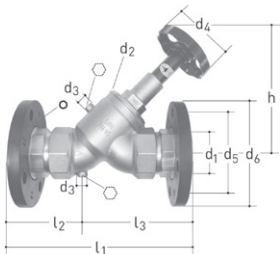


## JRG LegioStop Non-return valve closable gunmetal With flanges until DN 50

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
25	25	5264.025	350 818 718	2.530
32	32	5264.032	350 818 719	3.500
40	40	5264.040	350 818 720	4.540
50	50	5264.050	350 818 721	7.080

DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	d6 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○	◇
25	25	1	¼	60	85	115	117	188	82	107	16	4x14	6
32	32	1 ¼	¼	70	100	140	130	213	90	123	16	4x18	6
40	40	1 ½	¼	90	110	150	148	229	94	135	16	4x18	6
50	50	2	¼	90	125	165	169	262	104	158	16	4x18	6



## JRG LegioStop Non-return valve closable gunmetal With flanges

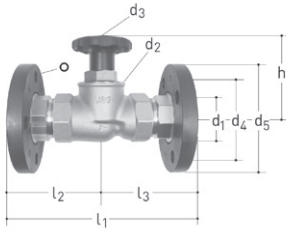
- Description: free of water pockets and maintenance free top, rising handwheel, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, metal
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
65	65	5264.065	350 818 722	10.340

d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	d6 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○	◇
65	2 ½	¼	120	145	185	260	296	110	186	16	4x18	6



# Product range

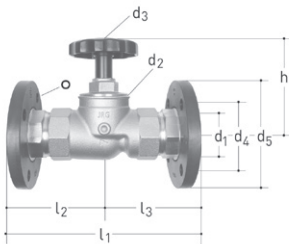


## JRG LegioStop Straight seat valve gunmetal With flanges

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
25	25	5351.025	350 895 847	2.360
32	32	5351.032	350 895 848	3.410
40	40	5351.040	350 895 849	4.580
50	50	5351.050	350 895 850	6.880

DN (mm)	d1 (mm)	d2 G (inch)	d3 (mm)	d4 (mm)	d5 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○
25	25	1	60	85	115	89	188	94	94	16	4x14
32	32	1 ¼	70	100	140	98	208	104	104	16	4x18
40	40	1 ½	90	110	150	110	229	115	115	16	4x18
50	50	2	90	125	165	123	252	126	126	16	4x18



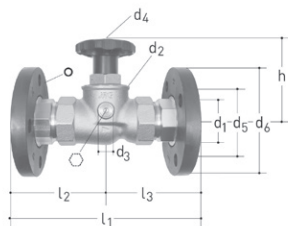
## JRG LegioStop Straight seat valve gunmetal With flanges

- Description: free of water pockets and maintenance free top, rising handwheel, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
65	65	5351.065	350 895 851	10.070

DN (mm)	d1 (mm)	d2 G (inch)	d3 (mm)	d4 (mm)	d5 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○
65	65	2 ½	120	145	185	161.5	296	148	148	16	4x18

# Product range

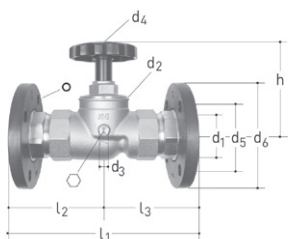


## JRG LegioStop Straight seat valve gunmetal With flanges

- Description: free of water pockets and maintenance free top, non rising handwheel with optical position indicator, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, plastic
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
25	25	5374.025	350 895 852	2.380
32	32	5374.032	350 895 853	3.460
40	40	5374.040	350 895 854	4.600
50	50	5374.050	350 895 855	6.160

DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	d6 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○	⬡
25	25	1	¼	60	85	115	90	188	94	94	16	4x14	6
32	32	1 ¼	¼	70	100	140	105	208	104	104	16	4x18	6
40	40	1 ½	¼	90	110	150	120	229	115	115	16	4x18	6
50	50	2	¼	90	125	165	140	252	126	126	16	4x18	6



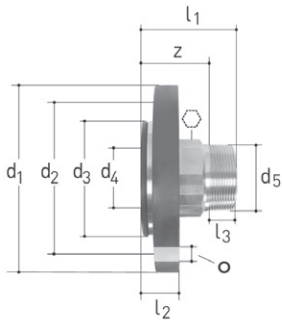
## JRG LegioStop Straight seat valve gunmetal With flanges DN 65

- Description: free of water pockets and maintenance free top, rising handwheel, valve seat and valve stem made of stainless steel, drilled with flanges according to SN EN 1092, loose flange made of PP-GF with steel insert
- Temperature: max. 90°C
- Material: gunmetal, stainless steel, EPDM, metal
- Connection: flange

DN (mm)	d (mm)	JRG Code	GF Code	Weight (kg)
65	65	5374.065	350 895 856	8.650

DN (mm)	d1 (mm)	d2 G (inch)	d3 Rp (inch)	d4 (mm)	d5 (mm)	d6 (mm)	h (mm)	l1 (mm)	l2 (mm)	l3 (mm)	PN (bar)	○	⬡
65	65	2 ½	¼	120	145	185	162	296	148	148	16	4x18	6

# Spare parts



## JRG Flange adapter set gunmetal

- Description: Flanges according to SN EN 1092, made of PP-GF with steel insert
- Material: gunmetal, steel, EPDM, plastic

GN (inch)	Size (inch)	DN (mm)	PN (bar)	JRG Code	GF Code	Weight (kg)
1	1	25	16	<b>8230.025</b>	<b>350 331 925</b>	0.800
1 ¼	1 ¼	32	16	<b>8230.032</b>	<b>350 332 032</b>	1.120
1 ½	1 ½	40	16	<b>8230.040</b>	<b>350 332 140</b>	1.440
2	2	50	16	<b>8230.050</b>	<b>350 332 250</b>	2.220
2 ½	2 ½	65	16	<b>8230.065</b>	<b>350 332 365</b>	3.080
3	3	80	16	<b>8230.080</b>	<b>350 332 480</b>	3.630

d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d5 R (inch)	l1 (mm)	l2 (mm)	l3 (mm)	z (mm)	○	◇
115	85	68	25	1	66	24	17	49	4x14	32
140	100	78	37	1 ¼	71	25	19	52	4x18	40
150	110	88	43	1 ½	74	27	19	55	4x18	50
165	125	102	55	2	80	31	24	56	4x18	65
185	145	122	66	2 ½	85	32	27	58	4x18	80
200	160	138	81	3	91	32	30	62	8x18	95

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