Gateway J Valve Type S14 and S15 according to ISO - PN10-16 - DN50-300

Double flanged, Ductile Iron Resilient Seated Gate Valve according to ISO 7259:1988

Available in short version (S14) and long version (S15) according to ISO 5752 and EN 558-1.

The Gateway J valve is fully compliant with EN 1074-1 & 2.

The ductile iron design provides rugged and durable valve.

The valve is used in hydraulic systems of potable water and buried Version.

It is available clowise (FSH) or anticlockwise (FAH) with the following accessories. :

- Bare shaft
- With Cap
- With handwheel

Characteristics

- Quality certified by the fitting design Service PAM Saint-Gobain
- Design tests according to EN 1074-2:
  - Maximal Operating Torque: 1 x DN
  - Minimal Strength Torque: 2 x DN
  - Endurance test : 250 cycles
- Hydraulic pressure tests:
  - Body: 1,5 PFA = 24 bar
  - Wedge: 1,1 PFA = 17,6 bar
- Ductile iron construction provides significant resistance

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- Excellent corrosion resistance :
  - Mini powder epoxy thickness of coating 250 µ
  - Bolt holes filled with EVA glue
- Replacement of the bearing under pressure
- Full clear bore diameter for optimum flow in the range
- The stem is produced by cold forging process thereby increasing the life of the valve avoiding cracks
- Coatings and EPDM elastomer are approved by WRAS
- Maximum temperature of the water : 50° C
- Dimensions and drilling flanges according to ISO 7259 and DIN 3202 S14 & S15

DN	LS14	LS15	PN	n-Ød	D	H	t	b	d	Ø	Simple thread	Double thread
mm	mm	mm	bar	mm	mm	mm	mm	mm	mm	mm	turn/mn	turn/mn
50	150	250	10-16	4xØ19	165	223	3	19	99	Ø125	14.5	6.5
60-65	170	270	10-16	4xØ19	185	255	3	19	112	Ø145	15.5	7.0
80	180	280	10-16	8xØ19	200	277	3	19	132	Ø160	17.0	8.5
100	190	300	10-16	8xØ19	220	325	3	19	156	Ø180	22.0	10.5
125	200	325	10-16	8xØ19	250	368	3	19	184	Ø210	26.0	13.0
150	210	350	10-16	8xØ23	285	403	3	19	211	Ø240	32.0	15.5
200	230	400	10	8xØ23	340	495	3	20	266	Ø295	35.0	17.0
200	230	400	16	12xØ23	340	495	3	20	266	Ø295	35.0	17.0
250	250	450	10	12xØ23	400	588	3	22	319	Ø350	43.0	21.5
250	250	450	16	12xØ28	400	588	3	22	319	Ø355	43.0	21.5
300	270	500	10	12xØ23	460	677	4	24.5	370	Ø400	52.0	25.5
300	270	500	16	12xØ28	460	677	4	24.5	370	Ø410	52.0	25.5

				PN 10		PN 16	
DN (mm)	Type	Closing direction	Version	Mass (kg)	References	Mass (kg)	References
50	S14	Anti-Clockwise	Bare shaft	10.60	RJA50BCCH1	10.60	RJA50BCCH1
65	S14	Anti-Clockwise	Bare shaft	11.00	RJA65BCCH1	11.00	RJA65BCCH1
80	S14	Anti-Clockwise	Bare shaft	12.60	RJA80BCCH1	12.60	RJA80BCCH1
100	S14	Anti-Clockwise	Bare shaft	18.00	RJB10BCCH1	18.00	RJB10BCCH1
125	S14	Anti-Clockwise	Bare shaft	26.90	RJB12BCCH1	26.90	RJB12BCCH1
150	S14	Anti-Clockwise	Bare shaft	30.20	RJB15BCCH1	30.20	RJB15BCCH1
200	S14	Anti-Clockwise	Bare shaft			53.00	RJB20BCAH1
250	S14	Anti-Clockwise	Bare shaft	73.50	RJB25BCBH1	73.50	RJB25BCAH1
300	S14	Anti-Clockwise	Bare shaft	107.40	RJB30BCBH1	107.40	RJB30BCAH1

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				PN 10		PN 16	
DN (mm)	Type	Closing direction	Version	Mass (kg)	References	Mass (kg)	References
50	S14	Clockwise	Bare shaft	10.30	RJA50BBCH1	10.30	RJA50BBCH1
65	S14	Clockwise	Bare shaft	11.80	RJA65BBCH1	11.80	RJA65BBCH1
80	S14	Clockwise	Bare shaft	13.90	RJA80BBCH1	13.90	RJA80BBCH1
100	S14	Clockwise	Bare shaft	18.60	RJB10BBCH1	18.60	RJB10BBCH1
125	S14	Clockwise	Bare shaft	26.50	RJB12BBCH1	26.50	RJB12BBCH1
150	S14	Clockwise	Bare shaft	32.70	RJB15BBCH1	32.70	RJB15BBCH1
200	S14	Clockwise	Bare shaft	56.80	RJB20BBBH1	56.80	RJB20BBAH1
250	S14	Clockwise	Bare shaft	79.00	RJB25BBBH1	79.00	RJB25BBAH1
300	S14	Clockwise	Bare shaft	114.50	RJB30BBBH1	114.50	RJB30BBAH1

				PN 10		PN 16	
DN (mm)	Type	Closing direction	Version	Mass (kg)	References	Mass (kg)	References
50	S15	Anti-Clockwise	Bare shaft	11.80 kg	RJA50ACCH1	11.80 kg	RJA50ACCH1
65	S15	Anti-Clockwise	Bare shaft	12.20 kg	RJA65ACCH1	12.20 kg	RJA65ACCH1
80	S15	Anti-Clockwise	Bare shaft	14.40 kg	RJA80ACCH1	14.40 kg	RJA80ACCH1
100	S15	Anti-Clockwise	Bare shaft	20.20 kg	RJB10ACCH1	20.20 kg	RJB10ACCH1
125	S15	Anti-Clockwise	Bare shaft	32.70 kg	RJB12ACCH1	32.70 kg	RJB12ACCH1
150	S15	Anti-Clockwise	Bare shaft	34.80 kg	RJB15ACCH1	34.80 kg	RJB15ACCH1
200	S15	Anti-Clockwise	Bare shaft	64.00 kg	RJB20ACBH1	64.00 kg	RJB20ACAH1
250	S15	Anti-Clockwise	Bare shaft	87.00 kg	RJB25ACBH1	87.00 kg	RJB25ACAH1
300	S15	Anti-Clockwise	Bare shaft	146.40 kg	RJB30ACBH1	146.40 kg	RJB30ACAH1

				PN 10		PN 16	
DN (mm)	Type	Version	Closing direction	Mass (kg)	References	Mass (kg)	References
50	S15	Bare shaft	Clockwise	11.40	RJA50ABCH1	11.40	RJA50ABCH1
65	S15	Bare shaft	Clockwise	13.20	RJA65ABCH1	13.20	RJA65ABCH1
80	S15	Bare shaft	Clockwise	15.50	RJA80ABCH1	15.50	RJA80ABCH1
100	S15	Bare shaft	Clockwise	20.70	RJB10ABCH1	20.70	RJB10ABCH1
125	S15	Bare shaft	Clockwise	31.70	RJB12ABCH1	31.70	RJB12ABCH1
150	S15	Bare shaft	Clockwise	34.10	RJB15ABCH1	34.10	RJB15ABCH1
200	S15	Bare shaft	Clockwise	65.40	RJB20ABBH1	65.40	RJB20ABAH1
250	S15	Bare shaft	Clockwise	93.80	RJB25ABBH1	93.80	RJB25ABAH1
300	S15	Bare shaft	Clockwise	135.50	RJB30ABBH1	135.50	RJB30ABAH1

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				PN 10		PN 16	
DN (mm)	Type	Closing direction	Version	Mass (kg)	References	Mass (kg)	References
50	S14	Clockwise	Handwheel	10.60	RJA50BSCH1	10.60	RJA50BSCH1
65	S14	Clockwise	Handwheel	11.00	RJA65BSCH1	11.00	RJA65BSCH1
80	S14	Clockwise	Handwheel	12.60	RJA80BSCH1	12.60	RJA80BSCH1
100	S14	Clockwise	Handwheel	18.00	RJB10BSCH1	18.00	RJB10BSCH1
125	S14	Clockwise	Handwheel	26.90	RJB12BSCH1	26.90	RJB12BSCH1
150	S14	Clockwise	Handwheel	30.20	RJB15BSCH1	30.20	RJB15BSCH1
200	S14	Clockwise	Handwheel			53.00	RJB20BSAH1
250	S14	Clockwise	Handwheel			73.50	RJB25BSAH1
300	S14	Clockwise	Handwheel			107.40	RJB30BSAH1

References cap

Mass (kg)	References
0.18	252062
0.18	252063
0.18	252064
0.18	252065
0.18	252066

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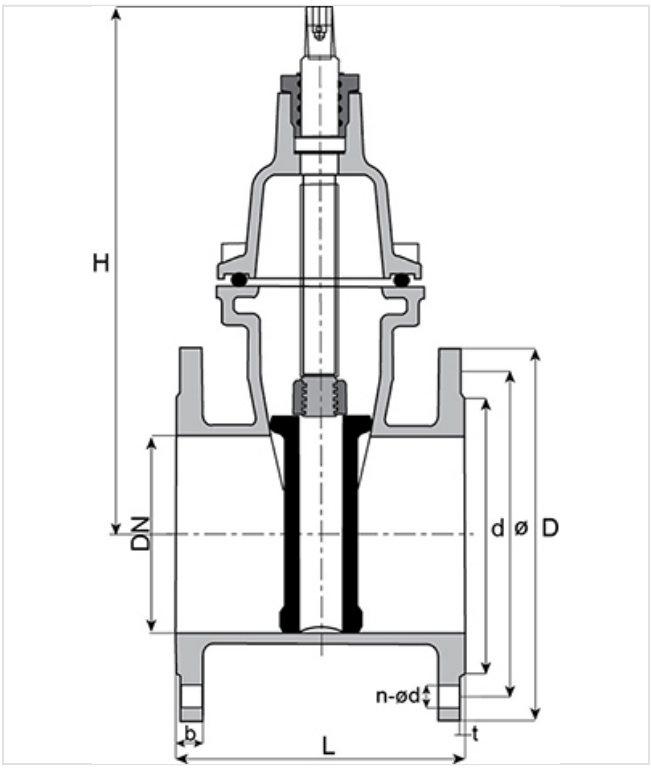
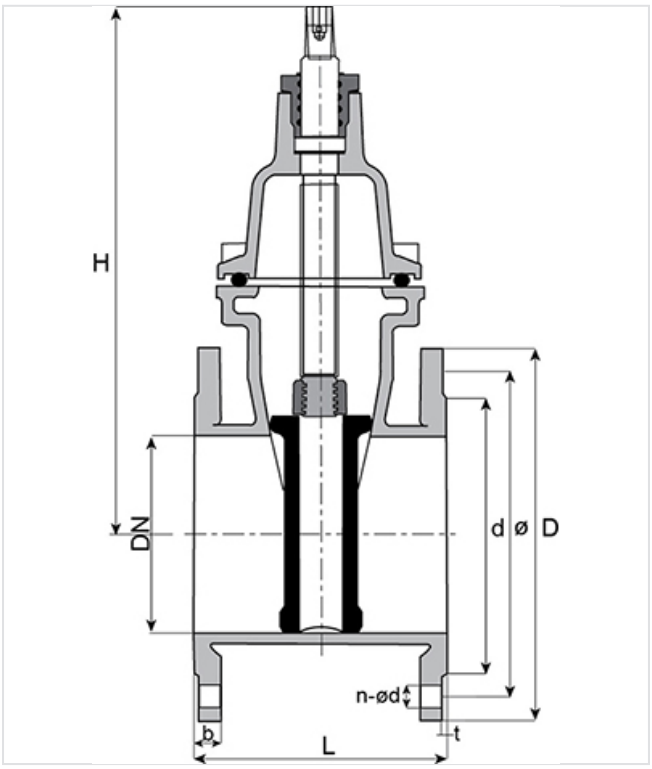
S15 long version (ISO 5752) PFA 16 bar



S14 short version (ISO 5752) PFA 16 bar



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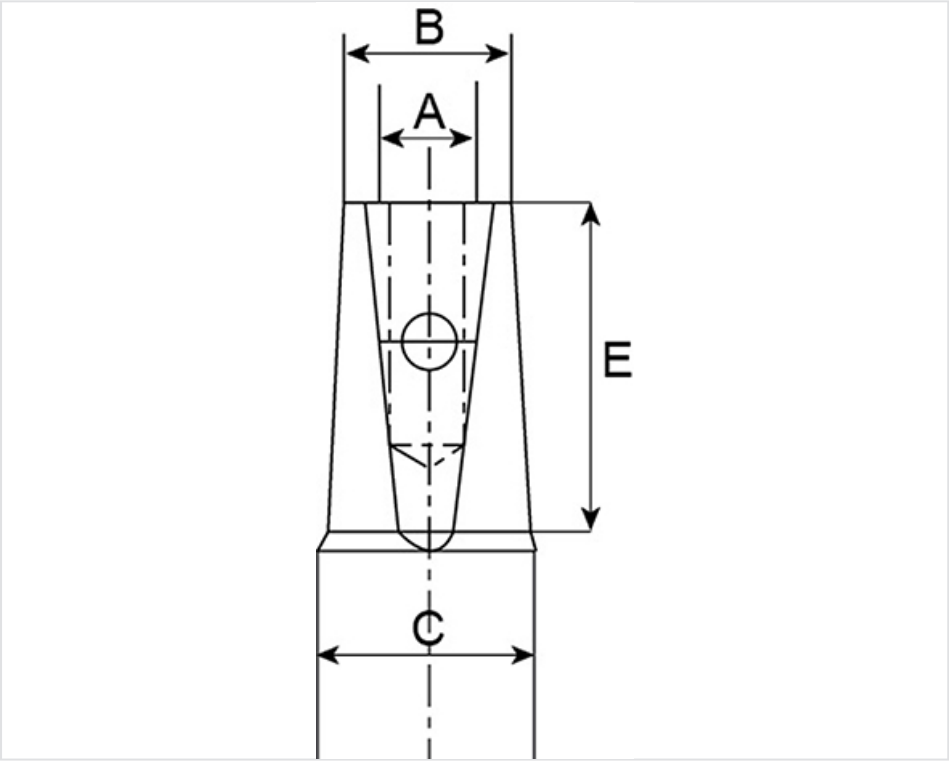
Details top of stem



DN	A	B	C	E
mm	mm	mm	mm	mm
50	M6	14.3x14.3	Ø20	29
65	M10	17.3x17.3	Ø24	33
80	M10	17.3x17.3	Ø24	33
100	M10	19.3x19.3	Ø28	33
125	M10	19.3x19.3	Ø28	38
150	M10	19.3x19.3	Ø28	38
200	M10	24.3x24.3	Ø30	42
250	M12	27.3x27.3	Ø36	47
300	M12	27.3x27.3	Ø36	47

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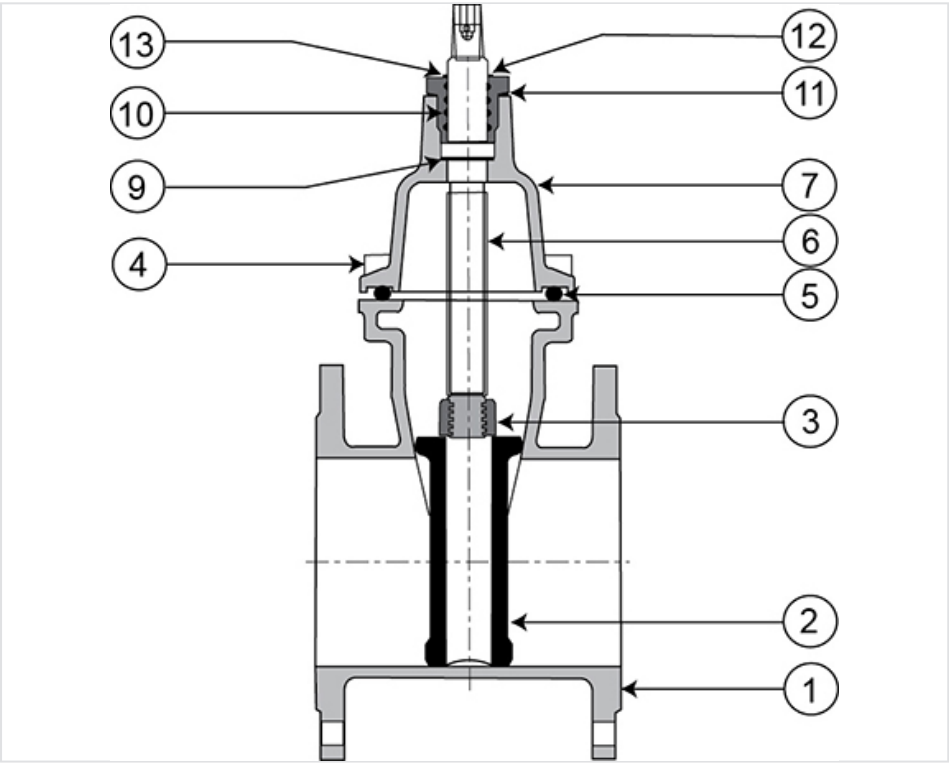
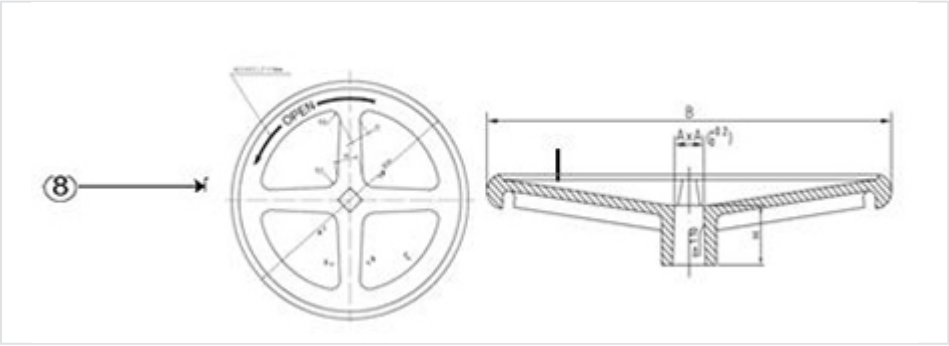
Material and coating





Item	Designation	Material	Coating
1	Body	Ductile iron ENGJS 500-7 EN1563	Blue Epoxy Powder (thickness 250 µ)
2	Wedge	Ductile iron ENGJS 500-7 EN1563	EPDM coated WRAS
3	Stem nut	Brass CuZn40Pb2 (CW617N) EN 12164	
4	Screw	Steel AISI 304	
5	Bonnet Gasket	EPDM	

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Item	Designation	Material	Coating
6	Stem	Inox AISI 420	
7	Bonnet	Ductile iron ENGJS 500-7 EN1563	Blue Epoxy Powder (thickness 250 µ)
8	Handwheel	Ductile iron ENGJS 500-7 EN1563	Blue Epoxy Powder (thickness 250 µ)
9	Gasket	PTFE	
10	O-ring	EPDM	
11	Dust shield joint	EPDM	
12	Bearing	Brass CuZn40Pb2 (CW617N) EN 12164	
13	Ring Wiper	EPDM	

Quality

Auto declaration by SG PAM for EN 1074 - 1&2 DN50-300 (available in Full Service). Test according to ISO 5208
Component of the product in conformity with WRAS

DN	Shell Test		Test sealing seat	
	Pressure	Duration	Pressure	Duration
50	1.5PN	15	1.1PN	15
65-150		60		60
200-300		120		120
From 350		300		120

Marking

Marking cast in the body

DN	Side A			Side B	
50-150	EN1074-2	DNXXX GJS	PN16	Logo	"GJS"
200-300			PN10 or PN16	M-D-Y (date)	

Painted on the rubber

Side A		Side B	
"EPDM"	EN 681 from "DN50" to "DN300"	Date of production	DN XXX

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Traceability

- The bar code is sticked on valves for traceability.
- Label packaging container

SAINT-GOBAIN
PRODUCT CODE:
QUANTITY: ...PCS
PRODUCT: PAM VALVE
DESCRIPTION:
BOX No:
NET WEIGHT:
GROSS WEIGHT:
PACKAGE DIMENSIONS:

Packaging

Dimensions container

DN	Packaging			Number of products / box		Gross weight S14 (including box) in Kg		Gross weight S15 (including box) in Kg	
mm	mm	mm	mm	Bare shaft	Handwheel	Bare shaft	Handwheel	Bare shaft	Handwheel
50	1100	1100	1100	80	80	1302.0	1367.6	974.0	1039.6
65	1100	1100	840	44	44	690.0	726.0	566.8	602.9
80	1120	1120	940	40	40	660.0	706.8	604.0	650.0
100	1160	980	1100	30	30	930.0	973.5	636.0	679.5
125	1100	1100	1200	24	24	1106.0	1157.8	814.8	866.6

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DN	Packaging			Number of products / box		Gross weight S14 (including box) in Kg		Gross weight S15 (including box) in Kg	
mm	mm	mm	mm	Bare shaft	Handwheel	Bare shaft	Handwheel	Bare shaft	Handwheel
150	1100	1100	730	10	10	513.2	534.8	378.0	399.6
200	1300	1100	840	9	9	666.0	701.6	606.0	641.6
250	1300	960	960	6	6	765.0	794.2	552.0	581.2
300	1000	1000	1100	4	4	889.2	908.6	615.6	635.0
DN350 to 600 : consult us									

Number of pallets per container

DN	Number of products / box		Nombre of products / container (20foots)	Nombre of products / container (40foots)
mm	Bare shaft	Handwheel	Quantity	Quantity
50	80	80	1600	3200
65	44	44	880	1700
80	40	40	800	1600
100	30	30	600	1200
125	24	24	480	960
150	10	10	200	400
200	9	9	180	360
250	6	6	120	240
300	4	4	80	160

Product mass type S14 in container

DN	Container weight 20GP in Kg²		Container weight 40GP in Kg	
mm	Bare shaft	Handwheel	Bare shaft	Handwheel
50	16960.0	18272.0	33920.0	36544.0
65	9680.0	10401.6	18700.0	20094.0
80	10240.0	11176.0	20480.0	22352.0
100	10800.0	11670.0	21600.0	23340.0
125	12912.0	13948.8	25824.0	27897.6
150	6040.0	6472.0	12080.0	12944.0
200	9540.0	10242.8	19080.0	20485.6
250	8820.0	9403.2	17640.0	18806.4
300	8592.0	8980.8	17184.0	17961.6

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Product mass type S15 in container

DN	Container weight 20GP in Kg²		Container weight 40GP in Kg	
mm	Bare shaft	Handwheel	Bare shaft	Handwheel
50	18880.0	20192.0	37760.0	40384.0
65	10384.0	11105.6	20740.0	22134.0
80	11520.0	12456.0	23040.0	24912.0
100	12120.0	12990.0	24240.0	25980.0
125	15696.0	16732.8	31392.0	33465.6
150	6960.0	7392.0	13920.0	14784.0
200	11520.0	12232.5	23040.0	24465.6
250	10440.0	11023.2	20880.0	22046.4
300	11712.0	12100.8	23424.0	24201.6

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