

OS&Y GATE VALVE

MODEL F-697-RW

NIBCO

Iron Body Resilient Wedge Gate Valves

Fire Protection Valve • Outside Screw and Yoke • Resilient Wedge • Epoxy Coated Interior/Exterior •
Pre-Grooved Stem for Supervisory Switch • Drilled, Tapped and Plugged at Boss Location A**



F-697-RW: 300 psi CWP/20.7 Bar Non-Shock Cold Working Pressure

F-6D7-RW: 363 psi CWP/25 Bar Non-Shock Cold Working Pressure

UL/ULC LISTED† • FM APPROVED •
CERTIFIED LEAD-FREE BY IAPMO R&T TO NSF/ANSI/CAN 372

MATERIAL LIST

PART	SPECIFICATION
1. Valve Body	Ductile Iron ASTM A536
2. Resilient Wedge Disc	Ductile Iron ASTM A536/EPDM
3. Stem	Stainless Steel 420
4. Bonnet Gasket	EPDM
5. Bonnet	Ductile Iron ASTM A536
6. Stem Packing	EPDM
7. Yoke	Ductile Iron ASTM A536
8. Stem Bushing	Copper Alloy
9. Gland	Ductile Iron ASTM A536
10. Stem Nut	Copper Alloy
11. Handwheel	Ductile Iron ASTM A536
12. Washer	Copper Alloy
13. Nut	Carbon Steel Zinc Plated
14. Stud	Carbon Steel Zinc Plated
15. Flat Washer	Carbon Steel Zinc Plated
16. Bolt	Carbon Steel Zinc Plated
17. O-ring	NBR
18. Plug	Copper Alloy

Coating — Electrostatically applied fusion-bonded epoxy 8-20 mil. inside and outside.
Meets or exceeds AWWA C550.

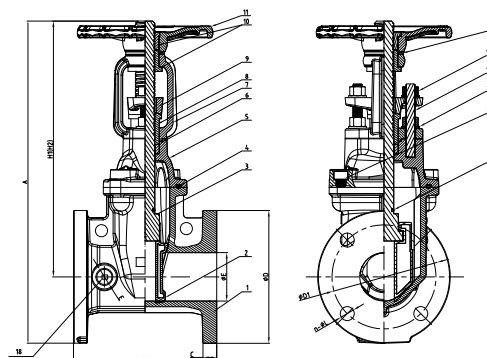
** Drilled, tapped and plugged at Position A with 1/2" valve sizes 2"–4", 3/4" on 6"–10", 1" on 12".

† Compliance with the Standard for Gate Valves for Fire Protection Service, UL 262, and the Canadian Requirements, ULC/ORD-C262.



F-697-RW
Flanged

F-6D7-RW
Flanged



F-697-RW

DIMENSIONS

Size		A		C		D		D1		E		H1(Close)		H2(Open)		L		n-øL		Handwheel		Weight	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg
2"	50	16.69	424	0.63	16	6.00	152	4.75	120.7	1.97	50	13.70	348	15.75	400	7.00	178	4-ø0.75	4-ø19.1	7.09	180	31.97	14.5
2½"	65	18.19	462	0.69	17.5	7.00	178	5.50	139.7	2.56	65	14.69	373	17.32	440	7.50	190	4-ø0.75	4-ø19.1	7.09	180	38.65	17.53
3"	80	19.82	503.5	0.75	19.1	7.50	191	6.00	152.4	3.15	80	16.06	408	19.29	490	8.00	203	4-ø0.75	4-ø19.1	7.87	200	50.60	22.95
4"	100	23.05	585.5	0.75	19.1	9.00	229	7.50	190.5	3.94	100	18.54	471	22.56	573	9.00	229	4-ø0.75	8-ø19.1	10.00	254	70.00	31.75
6"	150	29.15	740.5	0.75	19.1	11.00	279	9.50	241.3	5.91	150	23.66	601	29.72	755	10.50	267	8-ø0.87	8-ø22.2	12.01	305	115.74	52.5
8"	200	37.22	945.5	0.87	22.2	13.50	343	11.75	298.5	7.87	200	30.47	774	38.39	975	11.50	292	8-ø0.87	8-ø22.2	15.75	400	204.39	92.71
10"	250	46.18	1173	0.94	23.8	16.00	406	14.25	362	9.84	250	38.19	970	47.24	1200	13.00	330	12-ø1.00	12-ø25.4	17.72	450	322.10	146.1
12"	300	51.44	1306.5	1.00	25.4	19.00	483	17.00	431.8	11.81	300	41.93	1065	53.94	1370	14.00	356	12-ø1.00	12-ø25.4	17.72	450	473.95	214.98

NOTES: 1. Flange specification: ASME B16.1 Class 125

2. Coating: Bonded epoxy coating complies with ANSI/AWWA C550

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, gate valve should be in an open position to allow complete drainage.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Visit our website for the most current information.

LEAD-FREE: Weighted average lead content ≤ 0.25%

**UL LISTED
FOR
OS&Y GATE VALVE
MODEL F-697-RW**



Model F697-RW
File Number: EX2586

COMPANY
NIBCO INC
1516 MIDDLEBURY ST
ELKHART, IN 46516-4740 United States

MODEL INFO
F697-RW

GENERAL			
Pattern	Size, in.	End Configuration	Rated Pressure, psig (kPa)
OS&Y	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	F by F (ANSI Flange)	300 (2068)



The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."



Gate Valves

COMPANY

NIBCO INC
1516 MIDDLEBURY ST
ELKHART, IN 46516-4740 United States

EX2586

View model for additional information

Model(s): [F-607-OTS](#), [F-607RW](#), [F-607-RWS](#), [F-607-RWSB](#), [F-609](#), [F-609RW](#), [F-609-RWS](#), [F687-RW](#), [F689-RW-IPF](#), [F-697-O](#), [F697-RW](#), [F699-RW-IPF](#), [F6B7-RW-PN16](#), [F6B9-RW-IPF-PN16](#), [F6D7-RW](#), [F6D9-RW-IPF](#), [FG697-RW](#), [FM-609-RWS](#), [G607RW](#), [G609RW](#), [G609RW](#), [G697-RW](#), [G699-RW-IPF](#), [M-609](#), [M-609RW](#), [M-609-RWS](#), [M699-RW-IPF](#), [T-104-O](#)

Last Updated on 2023-10-20

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL Solutions' Follow - Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL Solutions' Follow - Up Service. Always look for the Mark on the product.

UL Solutions permits the reproduction of the material contained in Product iQ subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from Product iQ with permission from UL Solutions" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "©2023 UL LLC."

**FM APPROVAL
FOR
OS&Y GATE VALVE
MODEL F-697-RW**



Valves | Water Control Valves (OS&Y and NRS Gate Valves) | **Gate Valves, Outside Screw and Yoke**

Model **F697-RW**

Product Description

Resilient Seated Gate Valves. 2 through 12 in. NPS. Valves have a rated working pressure of 300 psi (2070 kPa). Available with the following end connections.

Product Specification

Model No	Valve Size		End Connection
	in	(mm)	
F697-RW	2, 2 1/2, 3, 4, 6, 8, 10, 12	(50, 65, 80, 100, 150, 200, 250, 300)	Flange x Flange (ANSI, BS, EN, JIS)

Details

Category	Gate Valves, Outside Screw and Yoke
Class of Work	1120 - OS&Y and NRS Gate Valves
Approval Standard	FM 1120, 1130 - Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)
Certification Type	FM Approved
Determine Product Count	Count-By-Row
Listing Country	United States of America

Company

NIBCO Inc
1516 Middlebury St, Elkhart ,
Indiana 46516
United States of America
<http://nibco.com>



Additional Info

Automatic Sprinkler Systems

Valves

Gate Valves

Gate Valves, Outside Screw and Yoke

Outside screw and yoke gate valves are recommended for service indoors and in pits outdoors. They are not recommended for throttling service. The stem indicates at a glance whether or not the valve is open. Smaller sizes, $\frac{3}{4}$ through 2 in. NPS inclusive, are of bronze. Large sizes, 2 $\frac{1}{2}$ through 14 in. NPS inclusive, are of iron, bronze mounted. One manufacturer makes valves of bronze up through the 3 in. size. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.
