NIBCO
AHEAD OF THE FLOW

Iron Resilient Wedge Gate Valves

PCR-619-RW

FPCR-619-RW

APPLICATIONS

- NRS RW gate valve for use in irrigation, general utility services, HVAC and water systems
- Designed for bubble tight service
- 250 PSI CWP, 160°F maximum

MATERIALS & CONSTRUCTION

- DI body for flanged and mechanical ends with bronze stem
- Rubber encapsulated ductile iron wedge
- Unique valve design with sealed countersunk bolts allowing no exposure of bonnet bolts
- Low-torque operation
- Full diameter waterway

DESIGN CRITERIA

- Valves meet or exceed AWWA C 509
- Fusion-bonded epoxy inside and out meets or exceeds AWWA C 550
- Epoxy is NSF and FDA approved
- End connections designed for use with AWWA C900 PVC pipe

PCR-619-RW
4" - 12"

FPCR-619-RW
4" - 12"

250 PSI CWP Iron Body Gate Valve

Bolted Bonnet • Non-Rising Stem • Resilient Wedge

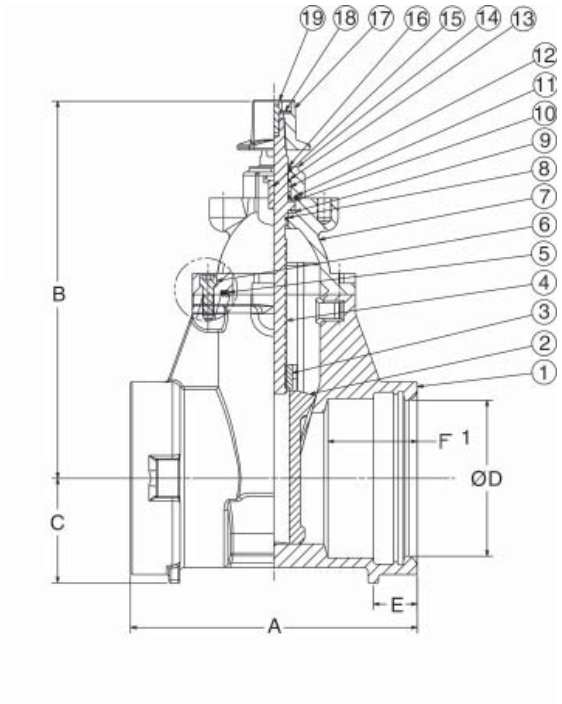
PCR-619-RW

250 PSI/17.2 Bar Non-Shock Cold Working Pressure

Conforms to AWWA C 509
Epoxy meets or exceeds AWWA C 550. End connections designed for use with C 900 PVC pipe.

MATERIAL LIST

	PART	SPECIFICATION
1.	Valve Body	Ductile Iron ASTM A 536
2.	Resilient Wedge	Ductile Iron Disc Encapsulated by EPDM ASTM D 2000
3.	Wedge Nut	Bronze ASTM B 584 Alloy C83600
4.	Screw Bonnet	Alloy Steel ASTM A 574 M Zinc Plated
5.	Stem	Aluminum Bronze ASTM B 150 Alloy C61400
6.	Bonnet Gasket	EPDM ASTM D 2000
7.	Bonnet	Ductile Iron ASTM A 536
8.	Stem Primary O-Ring	EPDM ASTM D 2000
9.	Stem Thrust Washer (lower)	Bronze ASTM B 584
10.	Stem Thrust Washer (upper)	Stainless Steel ASTM A 276 UNS S 41000
11.	Gland Seal O-Ring	EPDM ASTM D 2000
12.	Stem Seal Bushing	Bronze ASTM B 584
13.	Stem Secondary O-Ring (2)	EPDM ASTM D 2000
14.	Gland Flange	Ductile Iron ASTM A 536
15.	Wiper Ring - Stem	EPDM ASTM D 2000
16.	Nut, Wrench - Square	Iron ASTM A 126-B
17.	Washer, Wrench Nut	Carbon Steel, DIN 9021 B
18.	Screw WR Nut	Alloy Steel ASTM A 574 M Zinc Plated
19.	Screw, Gland Flange	Alloy Steel ASTM A 574 M Zinc Plated
20.	Handwheel (Optional)	Ductile ASTM A 536 (not pictured)



Coating — Electrostatically applied fusion-bonded epoxy 10-14 mil. inside and outside. Meets or exceeds AWWA C550; approved by NSF and FDA
Maximum operating temperature 160°F/71°C

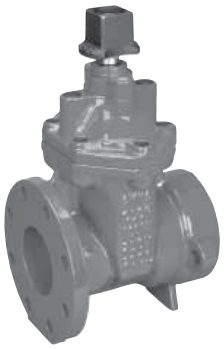
PCR-619-RW — DIMENSIONS - WEIGHTS - QUANTITIES

Valve Size		A		B		C		D		E		F		Hand Wheel (Optional)		Turns	Weight	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	to Open	Lbs.	Kg.
4	100	10.7	272	13.5	342	3.5	90	4.9	125	1.8	46	3.5	89	10.2	260	13.0	62	28
6	150	12.9	327	17.0	432	4.7	120	7.0	178	2.0	50	4.0	102	14.8	375	15.6	106	48
8	200	15.6	396	20.4	519	5.9	150	9.2	233	2.5	64	4.5	114	14.8	375	17.3	187	85
10	250	17.0	432	23.8	605	8.0	203	11.2	285	2.4	60	5.2	132	15.7	400	21.4	286	130
12	300	18.0	457	27.0	686	9.5	242	13.3	338	2.5	64	5.5	140	19.7	500	25.3	418	190

FREEZING WEATHER PRECAUTIONS: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

250 PSI CWP Iron Body Gate Valve

Bolted Bonnet • Non-Rising Stem • Resilient Wedge



FPCR-619-RW

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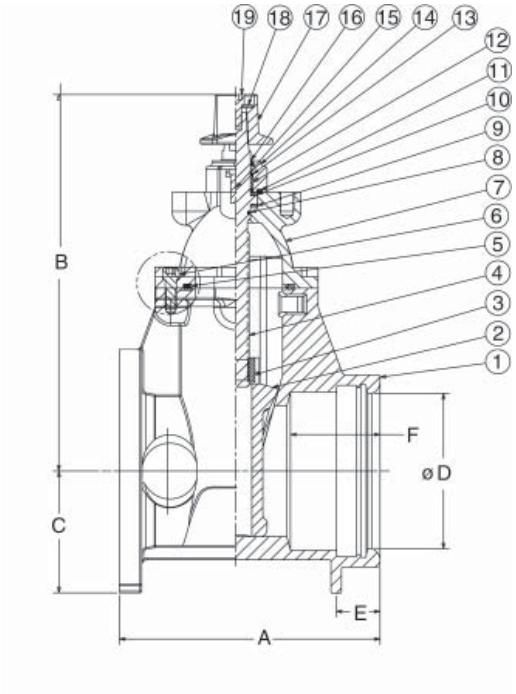

FPCR-619-RW — DIMENSIONS - WEIGHTS - QUANTITIES

Valve Size		A		B		C		D		E		F		Hand Wheel (Optional)		Bolt Circle		Flange	Turns to	Weight	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Holes	Open	Lbs.	Kg.
4	100	9.8	250	13.5	342	4.5	115	4.9	125	1.8	46	3.5	89	10.2	260	7.50	191	8	13.0	70	32
6	150	11.7	297	17.0	432	5.5	140	7.0	178	2.0	50	4.0	102	14.8	375	9.50	241	8	15.6	117	53
8	200	13.5	344	20.4	519	6.8	172	9.2	233	2.5	64	4.5	114	14.8	375	11.75	298	8	17.3	198	90
10	250	15.0	381	23.8	605	8.0	203	11.2	285	2.4	60	5.2	132	15.7	400	14.25	362	12	21.4	297	135
12	300	16.0	406	27.0	686	9.5	242	13.3	338	2.5	64	5.5	140	19.7	500	17.00	432	12	25.3	429	195

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