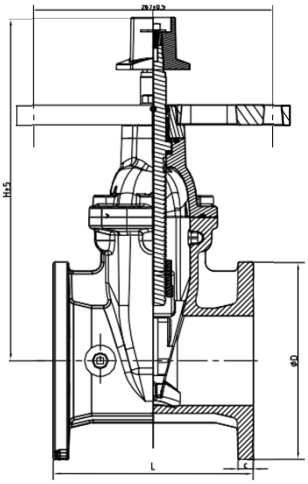
FIREKING

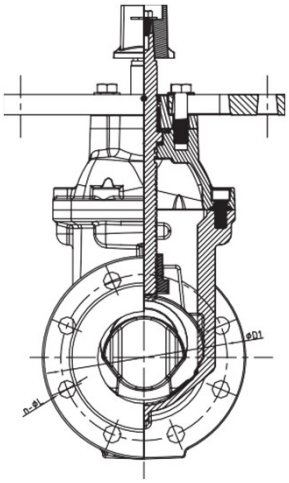
Post Indicator Valves | Flange | PIF

Post plate flange supplied only for 4" to 12" sizes

c UL us LISTED

FM APPROVED





SPECIFICATIONS

Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300, 14"/DN350, 16"/DN400, 18"/DN450, 20"/DN500, 24"/DN600
Working Pressure	250psi / 17bar (2") 300 psi / 21bar (4" to 12") 250 psi / 17bar (14" to 24" : ANSI-PIF3) 232 psi / 16bar (14" to 24" : BS-PIF4)
Seat type	Resilient wedge
Finish	Fusion bonded epoxy coated, internal and external
Material (body)	Ductile iron
Connections	Flange diameter and thickness according to ANSI B16.1 Class 125, EN1092-2 PN10 or EN1092-2 PN16
Specifications	Design and dimensions conform to AWWA C515
Compatibility	IPV or IPW models only
Approvals	UL, C-UL, FM 2" : FM Approved Only 5" : UL Listed only

Product Data & Part Numbers

Part Number[4]			Nominal Pipe Size		Dimensions (mm)										Weight (kg)
									D1			n-ØL			
ANSI	PN10	PN16	DN	Inch	L	H	D	C	ANSI	PN16	PN10	ANSI	PN16	PN10	
PIF-0200	PIF-0200PN		DN50	2" [1,3]	178	278	152	16.0	120.7	125		4-Ø19.1			12.9
PIF-0250	PIF-0250PN		DN65	2½" [3]	190	300	178	17.5	139.7	145		4-Ø19.1			15.9
PIF-0300	PIF-0300PN		DN80	3" [3]	203	321	191	19.1	152.4	160		4-Ø19.1	8-Ø19.1		20.9
PIF-0400	PIF-0400PN		DN100	4"	229	395	229	19.1	190.5	180		8-Ø19.1	8-Ø19.1		35.7
PIF-0500	PIF-0500PN		DN125	5" [2]	254	432	254	19.1	215.9	210		8-Ø22.2	8-Ø19.1		44.6
PIF-0600			DN150	6"	267	475	279	19.1	241.3	240		8-Ø22.2	8-Ø23		54.2
PIF-0800	PIF-0800PN10	PIF-0800PN16	DN200	8"	292	585	343	22.2	298.5	295		8-Ø22.2	12-Ø23	8-Ø23	86.1
PIF-1000	PIF-1000PN10	PIF-1000PN16	DN250	10"	330	656	406	23.8	362.0	355	350	12-Ø25.4	12-Ø28	12-Ø23	117.2
PIF-1200	PIF-1200PN10	PIF-1200PN16	DN300	12"	356	751	483	25.4	431.8	410	400	12-Ø25.4	12-Ø28	12-Ø23	180.0
PIF-1400	-	PIF-1400PN16	DN350	14" [2,3]	381	917	533	25	476.3	470	-	12-Ø28.6	16-Ø28	-	312.8
PIF-1600	-	PIF-1600PN16	DN400	16" [2,3]	406	917	597	25	539.8	525	-	16-Ø28.6	16-Ø31	-	325.6
PIF-1800	-	PIF-1800PN16	DN450	18" [2,3]	432	1108	635	25	577.9	585	-	16-Ø38.1	20-Ø31	-	456.5
PIF-2000	-	PIF-2000PN16	DN500	20" [2,3]	457	1130	699	29	635.0	650	-	20-Ø38.1	20-Ø34	-	492.2
PIF-2400	-	PIF-2400PN16	DN600	24" [2,3]	508	1311	813	30	749.3	770	-	20-Ø34.9	20-Ø37	-	706.0

*FM Approved only [2] UL Listed only [3] No post plate-flange supplied, UL listed as PIF3 (ANSI) or PIF4 (BS)
[4] Valve flange drilling (size and location of bolt holes and pitch circle diameter) allows mating with the following flange types :

ANSI = ANSI B16.1 Class 125 PN10 = DIN 2501, BS 4504, EN 1092 - PN10 PN16 = DIN 2501, BS 4504, EN 1092 - PN16

Trusted above all.

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VIKING®

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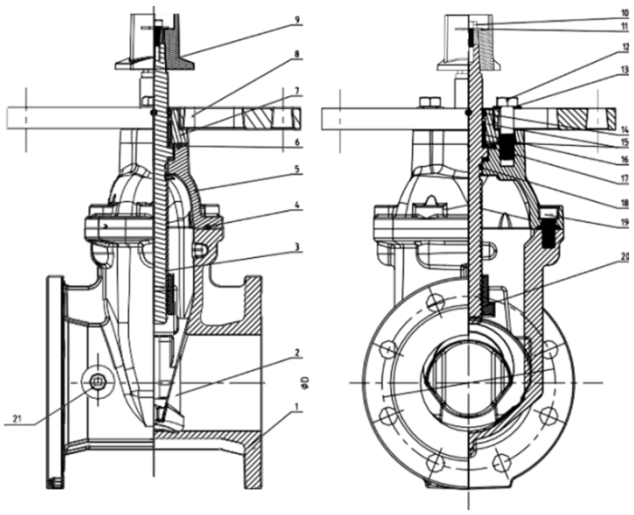
Post Indicator Valves | Flange | PIF

Product Parts, Materials & Standards

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	ASTM A536 64-45-12
2	Resilient Wedge Disc	Ductile Iron	ASTM A536 64-45-12 & EPDM
3	Stem	Stainless Steel	AISI 431
4	Bonnet Gasket	EPDM	Commercial
5	Bonnet	Ductile Iron	ASTM A536 64-45-12
6	O-Ring	NBR	Commercial
7	Gland	Ductile Iron	ASTM A536 64-45-12
8	Post Flange	Ductile Iron	ASTM A536 64-45-12
9	Square Operating Nut	Ductile Iron	ASTM A536 64-45-12
10	Bolt	Carbon Steel	Zinc Plated
11	Flat Washer	Carbon Steel	Zinc Plated
12	Bolt	Carbon Steel	Zinc Plated
13	Flat Washer	Carbon Steel	Zinc Plated
14	Ring Wiper	EPDM	Commercial
15	O-Ring	NBR	Commercial
16	Axis Guide	Brass	Hpb59-1
17	Washer	Brass	Hpb59-1
18	O-Ring	NBR	Commercial
19	Bolt	Carbon Steel	Zinc Plated
20	Wedge Nut	Brass	Hpb59-1
21	Plug	Bronze	ASTM B584 C89833



Inspection & Maintenance

1. Piping systems and valves should be thoroughly cleaned and free from ingress of foreign materials.
2. Visually inspect the valve seating and ports for cleanliness immediately prior to installation.
3. All valves should be independently supported against movement and stress from the connected piping system.
4. Ensure that the valve pressure rating is compatible with service conditions.
5. Operate the valve at least once from the open to closed position.
6. Gate valves are not suitable for throttling applications.
7. Gate valves should be installed in the vertical position on horizontal pipework and in the horizontal position on vertical pipework.
8. See indicator post datasheet for further installation instructions.

Operation

Gate valves are manually operated multi-turn valves and are opened by a handwheel or other operating device, generally in a counter-clockwise direction and then closed clockwise.

Inspection & Maintenance

Valves should be inspected periodically and should be cycled to prevent buildup of foreign materials in the piping system and valve body.