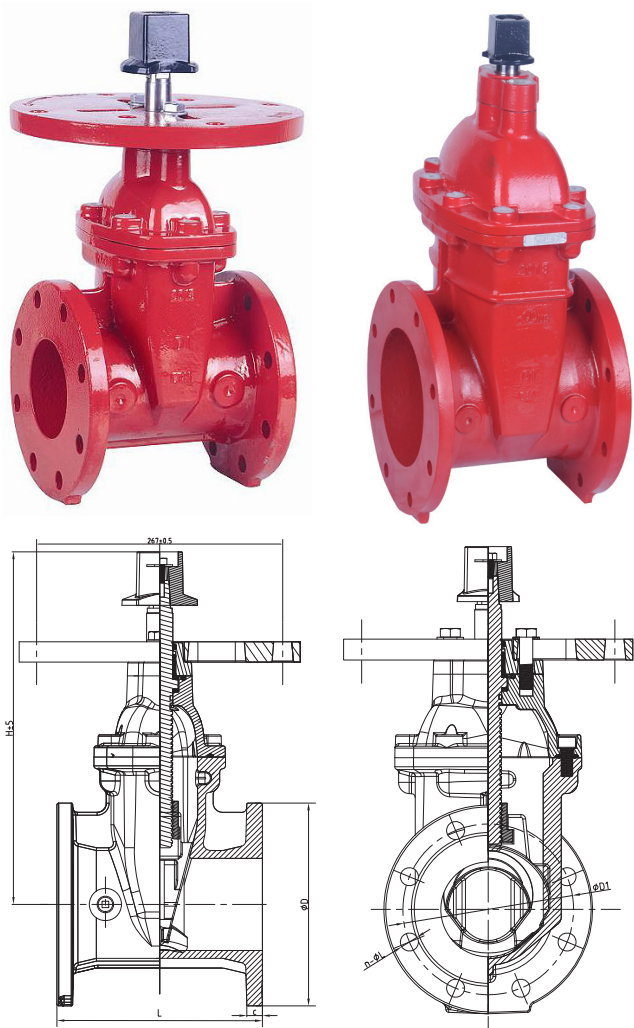




Control Valves & Devices | Gate Valves & Indicator Posts | Post Indicator Valve | Flanged | PIF



SPECIFICATIONS

Approvals	
Sizes available (nominal)	2"/DN50, 2-1/2"/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	2": 17 bar/250 psi, 4"-12": 21 bar/300 psi, 14"-24": 16 bar/232 psi (BS-PIF4) or 17 bar/250 psi (ANSI-PIF3)
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
Operation	For use with IPV ($\geq 4"$) or IPW indicator posts
Note: No post flange supplied with 2"-3" and 14" and above, and size 2" is FM approved only and size 5" is UL listed only	

Part numbers & physical data | PIF

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

¹ 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

Note: This document contains basic product information only. Information, photos and drawings are not contractually binding. In all cases, the manufacturer's full technical documentation remains the reference document. Note that certificates, test reports and approvals may be published in the OEM name.

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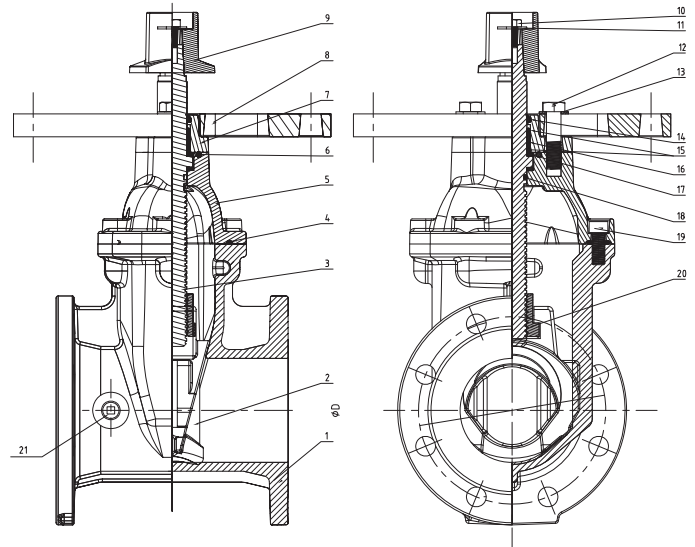




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Materials | PIF

Item	Description	Material	ASTM Specifications
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



Installation | PIF

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 | PIF

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 | PIF

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

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