

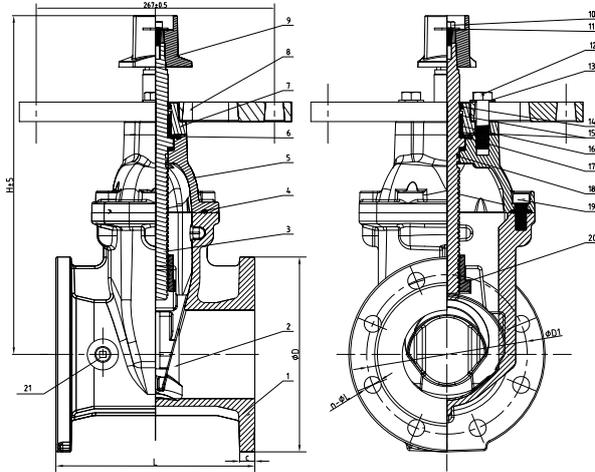


# Post Indicator Valve

## PIF

### Technical Features

- **Sizes available (Nominal) :** 2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 5"/DN125, 6"/DN150, 8"/DN200, 10"/DN250 and 12"/DN300
- **Working pressure :** 300 psi (21 bar)
- **Seat type :** Resilient wedge
- **Finish :** Fusion bonded epoxy coated internal & external
- **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 IPW or IPW indicator posts
- **Remark :** No post flange supplied with 2", 2½" & 3", and size 2" is FM approved only and size 5" is UL listed only



Control Valves



### Post Indicator Valve - PIF

### Physical Data

Nominal Pipe Size		Dimensions (mm)									Reference****			Weight (kg)	
inch	Metric	L	H	D	C	D1			n-ØL			ANSI	PN10		PN16
						ANSI	PN16	PN10	ANSI	PN16	PN10				
2"	DN50***	178	278	152	16.0	120.7	125	4-Ø19.1			PIF-0200	PIF-0200PN		12.94	
2½"	DN65***	190	300	178	17.5	139.7	145	4-Ø19.1			PIF-0250	PIF-0250PN		15.93	
3"	DN80***	203	321	191	19.1	152.4	160	4-Ø19.1	8-Ø19.1		PIF-0300	PIF-0300PN		20.94	
4"	DN100	229	395	229	19.1	190.5	180	8-Ø19.1	8-Ø19.1		PIF-0400	PIF-0400PN		35.67	
5"	DN125	254	432	254	19.1	215.9	210	8-Ø22.2	8-Ø19.1		PIF-0500	PIF-0500PN		44.61	
6"	DN150	267	475	279	19.1	241.3	240	8-Ø22.2	8-Ø23		PIF-0600			54.24	
8"	DN200	292	585	343	22.2	298.5	295	8-Ø22.2	12-Ø23	8-Ø23	PIF-0800	PIF-0800PN10	PIF-0800PN16	86.06	
10"	DN250	330	656	406	23.8	362.0	355 350	12-Ø25.4	12-Ø28	12-Ø23	PIF-1000	PIF-1000PN10	PIF-1000PN16	117.21	
12"	DN300	256	751	483	25.4	431.8	410 400	12-Ø25.4	12-Ø28	12-Ø23	PIF-1200	PIF-1200PN10	PIF-1200PN16	180.04	

\* FM Approved only \*\* UL Listed only \*\*\* No post flange supplied \*\*\*\* 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

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### Materials List

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

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#### Installation

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 clockwise direction and then closed counterclockwise.

#### Inspection and Maintenance

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

