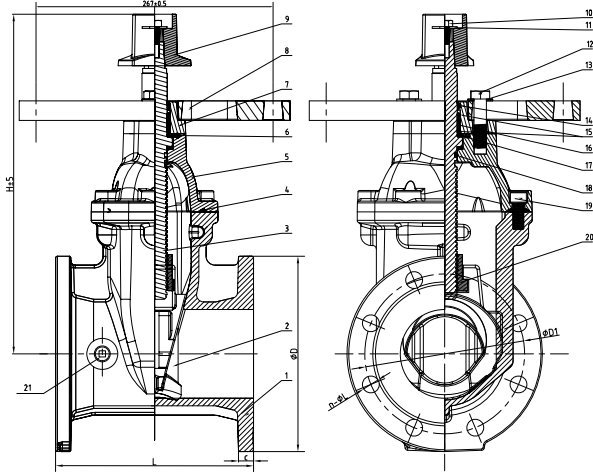


Post Indicator Valve - Flanged

PIF

Technical Features

- **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 :** 4"-12": 21 bar (300 psi)
2", 14" & 16": 17 bar (250 psi)
- **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 IPV ($\geq 4"$) or IPW indicator posts
- **Remark :** 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



* Image depicts 4"-24" sizes, 2"-3" and 14" and above are supplied without a post plate and should be used with a T-Key



Control Valves

Post Indicator Valve - Flanged - PIF

Physical Data

Reference****			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"*	DN50***	178	278	152	16.0	120.7	125		4-Ø19.1			12.9
PIF-0250	PIF-0250PN		2½"	DN65***	190	300	178	17.5	139.7	145		4-Ø19.1			15.9
PIF-0300	PIF-0300PN		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"*	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"***	DN350	381	917	533	25	476.3	470	-	12-Ø28.6	16-Ø28	-	312.8
PIF-1600	-	PIF-1600PN16	16"***	DN400	406	917	597	25	539.8	525	-	16-Ø28.6	16-Ø31	-	325.6
PIF-1800	-	PIF-1800PN16	18"***	DN450	432	1108	635	25	577.9	585	-	16-Ø38.1	20-Ø31	-	456.5
PIF-2000	-	PIF-2000PN16	20"***	DN500	457	1130	699	29	635.0	650	-	20-Ø38.1	20-Ø34	-	492.2
PIF-2400	-	PIF-2400PN16	24"***	DN600	508	1311	813	30	749.3	770	-	20-Ø34.9	20-Ø37	-	706.0

* FM Approved only ** UL Listed only *** No post plate - flange supplied, UL Listed as PIF2, **** 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

Post Indicator Valve - Flanged - PIF

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	Resilient 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				

Post Indicator Valve - Flanged

PIF

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 counter clockwise direction and then closed clockwise.

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.

