



Indicator Post | Horizontal Wall | IPW



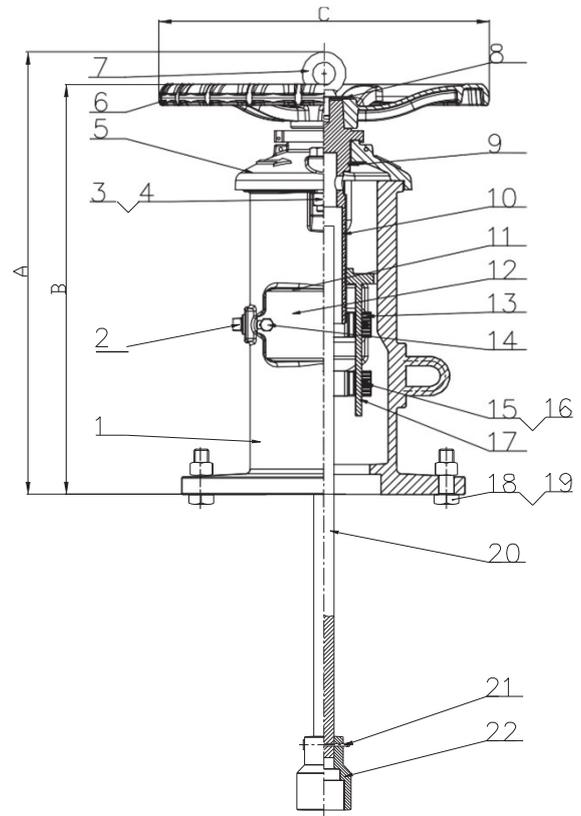
SPECIFICATIONS	
Application	Operate hidden post indicator or NRS Valves
Compatibility	PIF or PIG models only
Valve Sizes	2"/DN40 to 16"/DN400
Indicator Positions	'OPEN' & 'SHUT'
Finish	Internally and externally coated in red epoxy RAL3000
Stem Bar	1.0 m
Approvals	cULus, FM

Materials list

Item	Part	Material	Specification	Part Number	Weight (kg.)
1	Body	Cast Iron	ASTMA126 Class B	-	-
2	Plug	Malleable Iron - Galvanized		-	-
3	Square Nut	Carbon Steel - Zinc Plated		-	-
4	Hex Bolt	Carbon Steel - Zinc Plated		-	-
5	Cover	Cast Iron	ASTMA126 Class B	-	-
6	Handwheel	Ductile Iron	A536,65-45-12	IPW-HW	3.62
7	Eye Bolt	Stainless Steel	AISI304	-	-
8	Washer	Stainless Steel	AISI304	-	-
9	Snap Ring	Spring Steel Sheet	AISI1066	-	-
10	Operating nut	Stainless Steel	AISI304	-	-
11	Window Gasket	PTFE		IPW-WG	0.01
12	Window Class	Plexiglas		IPW-WIN	0.03
13	Target - Open	Cast Aluminum		IPW-OPEN	0.07
	Target - Shut		IPW-SHUT	0.07	
14	Hex Bolt	Carbon Steel - Zinc Plated		-	-
15	Hex Bolt	Carbon Steel - Zinc Plated		-	-
16	Hex Nut	Carbon Steel - Zinc Plated		-	-
17	Target Carrier Nut	Stainless Steel	AISI304	-	-
18	Hex Nut	Carbon Steel - Zinc Plated		-	-
19	Hex Bolt	Carbon Steel - Zinc Plated		-	-
20	Stem 1" Square	Carbon Steel	AISI1045	IPW-STEM	4.49
21	Cotter Pin	Stainless Steel	AISI304	IPW-COTT	0.02
22	Socket	Ductile Iron	A536,65-45-12	-	-

Product Data & Part Numbers

Part Number	Dimensions (mm)			Weight (kg / lbs)
	A	B	C1	
IPW	497	447	356	40.5



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### Installation

**NOTE: Ensure that the post indicator valve is in the fully open position before installing the Wall Post Indicator.**

#### 1.) Make the hole through the wall

Make a clearance hole that is at least 120 mm (4.7") in diameter but not greater than 180 mm (7.1") in diameter through the mounting wall. The clearance hole must be on-center and concentric with the operating nut of the post indicator valve. NOTE: A DN100/4" (114.3 mm Outside Diameter) length of pipe can be used to line the inside of the through hole. Pipe of this diameter will fit snugly into a machined mating hole on the flange side the Body (1) of the Wall Post Indicator.

#### 2.) Drill the Mounting Holes

Drill 4 equally spaced holes on a 267 mm (10.5") bolt circle into the mounting wall using a 3-4" (19 mm) drill bit. The bolt circle must be concentric and on center with the operating nut of the post indicator valve.

#### 3.) Mount the Wall Post Indicator

Bolt the flange of the Body (1) of the Wall Post Indicator to the wall using 4 bolts (18 & 19).

#### 4.) Remove the Cover

With the Body (1) flange of the Wall Post Indicator securely bolted to the mounting wall, remove the Cover (5) by removing the two Bolts (4) and Nuts (3). Slide the Cover (5) off of the Wall Post Indicator Body (1).

#### 5.) Insert and measure the Stem Rod

With the Cover (5) still separated from the Body (1), slide the Stem (20), Cotter Pin (21) and Socket (22) assembly through the Wall Post Indicator Body (1) and through the wall such that the Socket (22) fully engages with the operating nut of the non-rising stem gate valve. With the Socket (22) fully engaged on the operating nut of the non-rising stem gate valve, put a mark on the Stem (20) that is between 32 mm (1.25") below the top surface of the Body (1) but not more than 50 mm (2") above the top surface of the Body (1).

#### 6.) Cut the Stem Rod

Cut the stem rod at the mark made in Step 5.

#### 7.) Adjust the Target Plates

Adjust the "Open" Target Plates (15) such that they are squarely centered in the Windows (11) when the post indicator valve is in the fully open position. Repeat this procedure with the "Shut" Target Plates (15) when the post indicator valve is fully closed. Adjustment is made by loosening Hex Bolt (16) and Nut (17).

#### 8.) Re-assemble the Wall Post Indicator

Insert the Cover (5) back onto the Body (1) such that the ears on either side of the Target Nut fit into the grooves on the inside edges of the Body (1). Tighten the two Nuts and Bolts (4)(3). Verify that the "Open" and "Shut" Target (13) is in the proper position by fully opening and closing the post indicator valve using the Handwheel (6). Adjust as necessary.

### Maintenance

#### Lubrication

Oil the bearing in the Body (1) at least once a year by adding several drops of oil in the hole located on the top of the Operating Nut (10).

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