

Vertical Indicator Post

IP888

IP888 - Vertical Indicator Post

Physical Data

Reference	Dimensions (mm/inch)						Weight (kg/lbs)
	A	B	C	D	E	F	
IP888	1187.5 / 46.75	933.5 / 36.75	762 / 30.0	282.6 / 11.2	109.5 / 7.5	304.8 / 12.0	96 / 211

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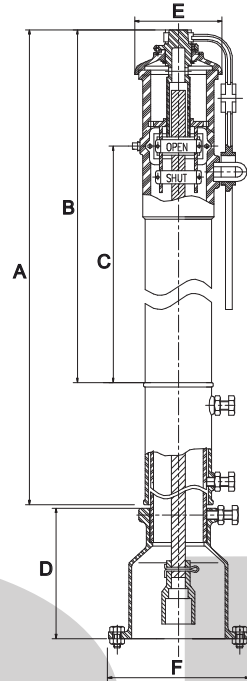
Trench Depth

Reference	Unit	Trench Depth according to Valve Size									
		DN100/4"		DN150/6"		DN200/8"		DN250/10"		DN300/12"	
		Min.	Max	Min.	Max	Min.	Max	Min.	Max	Min.	Max
IP888	mm	787	1295	889	1397	1016	1524	1143	1651	1245	1753
	in	31	51	35	55	40	60	45	65	49	69

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Specifications

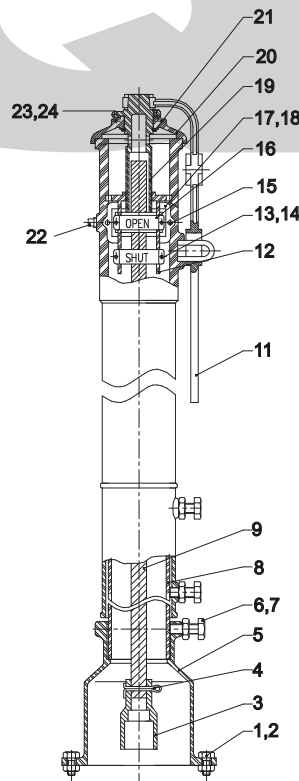
- Indicator of Open and Shut positions
- Used to operate a buried or hidden valve
- 34.5" adjustment range
- Wrench handle fits over a "U" bracket on the barrel, this can be fixed with a padlock to secure the operating wrench to the barrel.
- Right and left hand versions available
- Internally and externally coated in red epoxy resin RAL3000
- 2m long stem bar is supplied



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Materials List

Item	Description	Material	Specification
1	Hex Cap Screw	Carbon Steel	ASTM A307B
2	Hex Nut	Bronze	ASTM B62 C83600/SS304
3	Crane Coupling	Ductile Iron	ASTM A536 Gr.65-45-12
4	Cotter Pin	Stainless Steel	AISI 304
5	Base Flange	Cast Iron	ASTM A126 Class B
6	Hex Nut	Carbon Steel	ASTM A307B
7	Hex Cap Screw	Carbon Steel	ASTM A307B
8	Standpipe	Carbon Steel	ASTM A53
9	1" Square Stem	Carbon Steel	AISI 1045
10	Body	Cast Iron	ASTM A126 Class B
11	Locking Wrench	Ductile Iron	ASTM A536 Gr.65-45-12
12	Target Carrier Nut	Bronze	ASTM B62 C83600
		Stainless Steel	AISI 304
13	Hex Cap Screw	Carbon Steel	ASTM A307B
14	Hex Nut	Carbon Steel	ASTM A307B
15	Hex Cap Screw	Carbon Steel	ASTM A307B
16	Target	Cast Aluminium	
17	Window Glass	Plexiglass	
18	Gasket	PTFE	
19	Operating Nut	Bronze	ASTM B62 C83600
		Stainless Steel	AISI 304
20	Top Section	Cast Iron	ASTM A126 Class B
21	Snap Ring	Stainless Steel	AISI 1066
22	Plug	Malleable Iron	
23	Square Nut	Carbon Steel	ASTM A307B
24	Hex Cap Screw	Carbon Steel	ASTM A307B



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Installation

NOTE: Ensure that the non-rising stem gate valve is in the fully open position before installing the Vertical Indicator Post.

1.) Disassemble the Indicator Post

Take off the Locking Wrench (11), slide off the Top Section (20) together with the Operating Nut (19) and the Square Stem (9) as well as the Crane Coupling (3) and ensure that all other accessories attached from the end of the Body (10) by loosening two Hex Cap Screws (24) and Square Nut (23), slide off the Body (10) from the Standpipe (8) by loosening the two Hex Cap Screws and Hex Nuts, slide off the Standpipe (8) from the Base Flange (5).

2.) Install the Base Flange and Lower Standpipe

Attach the Base Flange (5) together with the Standpipe (8) to the Post Flange of the non-rising stem gate valve using the four Hex Cap Screws (1) and Hex Nuts (2).

3.) Adjust the Ground Line Mark

Pull the Lower Body (10) Over the Standpipe (8) until the Ground Line Mark on the Body (10) is the same height as the ground level. Tighten the two Hex Cap Screws and Hex Nuts.

4.) Adjust the Square Stem

Lower the Stem (9) into the Body (10) such that the Crane Coupling (13) fits over the operating nut of the non-rising stem gate valve. Ensure that Stem (9) engages the Operating Nut (9) a minimum of 2" but no more than 4.5". To check for correct engagement, the end of stem should be from 2 to 4 inches below the top of the Body (10).

5.) Adjust the Targets

Remove the Target Carrier Assembly (12, 13 & 14) from inside the Body (10) by rotating the Operating Nut (9) counter-clockwise. The "Open" Target (16) and "Shut" Target (not shown) are adjusted up and down on the Target Carrier Assembly (12, 13 & 14) by pulling the middle section of the Target (Open & Shut) a small distance away from the Target Carrier Assembly (12, 13 & 14) and sliding the Target (Open & Shut) up or down as desired.

- If the non-rising stem gate valve is opened by turning the handwheel counter clockwise:

Move the two Open Targets (16) to the very top of the Target Carrier Assembly. Locate the two "Shut" Targets (not shown) according to the size of the non-rising stem gate valve size (stem) turning distance.

- If the non-rising stem gate valve is opened by turning the handwheel clockwise:

Move the two "Shut" Targets (not shown) to the very top of the Target Carrier Assembly (12, 13 & 14). Locate the two "Open" Targets (16) according to the size of the non-rising stem gate valve (stem) turning distance.

6.) Final Assembly and Test

Insert the Target Carrier Assembly (12, 13 & 14) back into the Top Section (20) by rotating the Operating Nut (19) clockwise. Rotate the Operating Nut (19) until the "Open" Target (16) is centered in the window of the Body (10). Lower the Top Section (20) with the Target Carrier Assembly (12, 13 & 14) onto the Body (10), carefully ensuring that the Stem (9) engages with the Operating Nut (19) at least 50mm (2 in) but not more than 120mm (4.5 in). Secure the Top Section (20) to the Body (10) by tightening the Cap Screws (24) and Square Nut (23). Close the non-rising stem gate valve and check to make sure that the "Shut" Target (not shown) is properly centered in the window of the Body (10) and adjust as necessary

Maintenance

Lubrication

Oil the bearing in the Top Section (20) at least once a year by adding several drops of oil in the hole located on the top of the Operating Nut (19).