TECHNICAL DATASHEET

WALL INDICATOR POST | TYPE WINPO

Size range: 4" - 12"

FM APPROVED



Profit wall indicator posts type WINPO are used for remote operation of an NRS gate valve. With the built-in indicator, the open or closed position of the NRS gate valve is visualised. It can be placed on the outside part of a wall. With the included telescopic operating rod this can adapt to a desired wall thickness until 29"/ 738mm. The handwheel is fastened to the post with an eyebolt so that the post can be secured in position using a padlock and chain (provided by user).

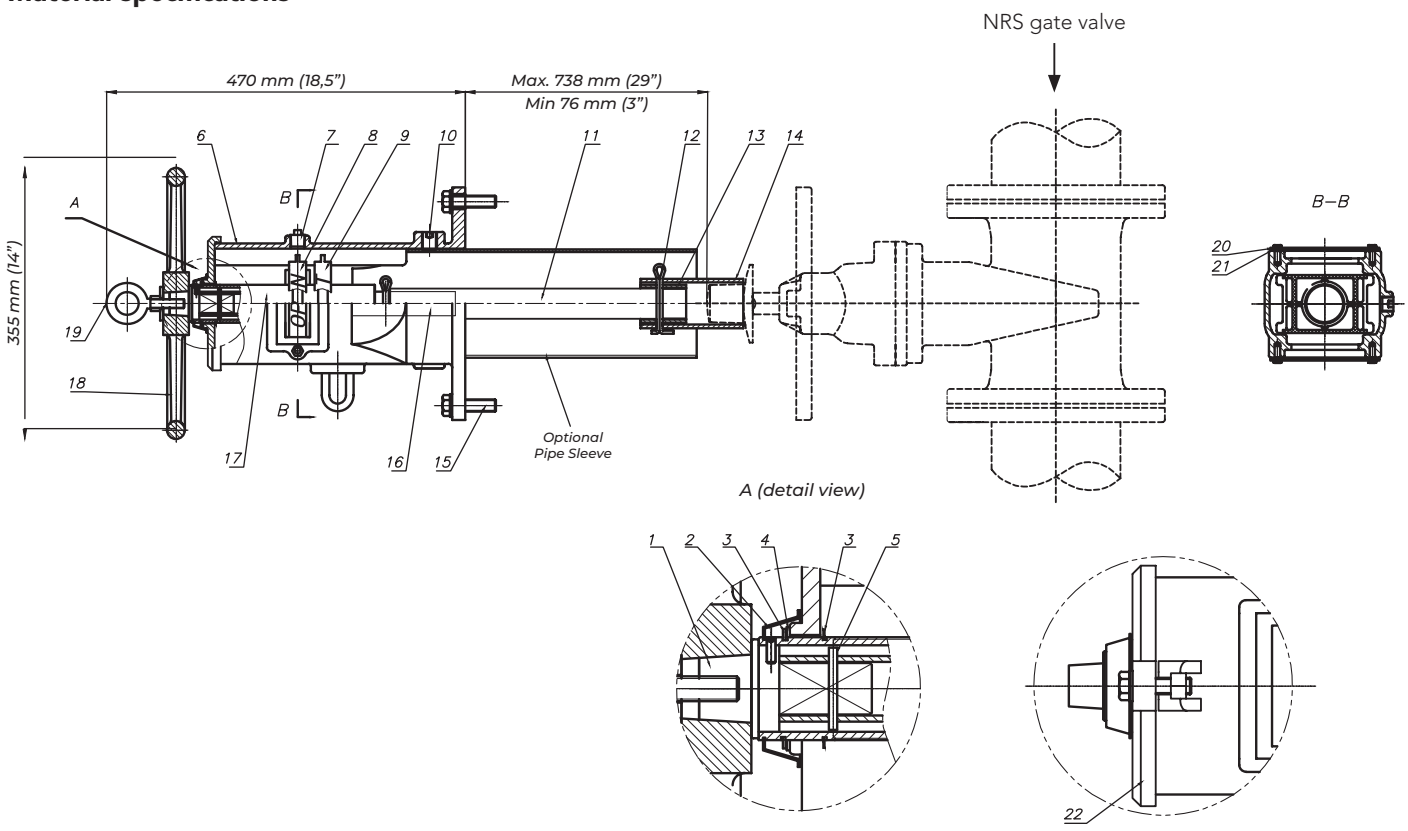
Characteristics

- Indoor & outdoor use.
- Anti-corrosion protection: high grade polyester powder coating, meets or exceed AWWA C550 standards.
- Meets or exceeds the requirements of NFPA24 standard.
- Indicator posts can be equipped with a supervisory switch, type SWIP, on request.

Approvals

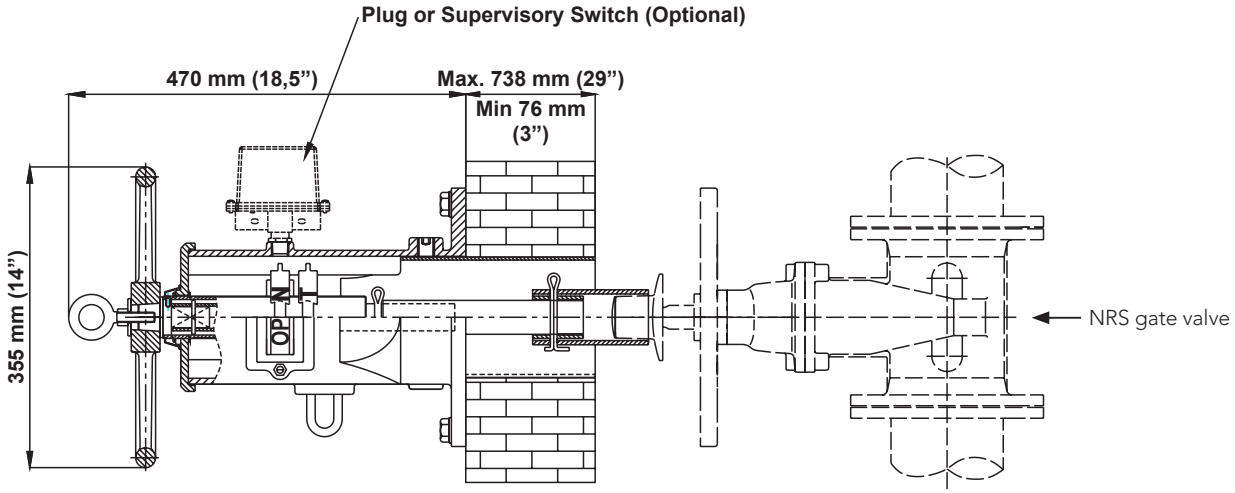
- FM approved to FM standard 1110.
- UL 789 listed.

Material specifications



N°	Component	Specification	European standard	ASTM standard
1	Operating nut	Ductile iron	EN-GJS-450-10	A536 Grade 65-45-12
2	Weather cap	Poly ethylene	PE	-
3	Snap ring	Stainless steel	X5 Cr Ni 1810	A276 Type 304
4	Washer	Stainless steel	X5 Cr Ni 1810	A276 Type 304
5	Pin	Stainless steel	X5 Cr Ni 1810	A276 Type 304
6	Post head	Gray cast iron	EN-GJL-250	A126 classe B
7	Plug	Malleable iron	-	A47 Grade 22010
8	"OPEN" target	Cast aluminium	-	-
9	"SHUT" target	Cast aluminium	-	-
10	Pipe set screw	Carbon steel	ISO 898-1 / 4-6	A307 Grade B
11	Lower stem	Carbon steel	DIN 1629	A53 Type S Grade B
12	Cotter pin	Stainless steel	X5 Cr Ni 1810	A276 Type 304
13	Adapting telescopic rod	Carbon steel	DIN 1629	A53 Type S Grade B
14	Coupling telescopic rod	Carbon steel	DIN 1629	A53 Type S Grade B
15	Bolt	Carbon steel	ISO 898-1 / 4-6	A307 Grade B
16	Upper stem	Carbon steel	DIN 1629	A53 Type S Grade B
17	Threaded sleeve	Stainless steel	X5 Cr Ni 1810	A276 Type 304
18	Handweel	Ductile iron	EN-GJS-450-10	A536 Grade 65-45-12
19	Eyebolt	Stainless steel	X5 Cr Ni 1810	F593 Grade 304
20	Window	Molded plastic	-	-
21	Window gasket	Rubber	NBR	D2000 NBR
22	Post cover	Gray cast iron	EN-GJL-250	A126 classe B

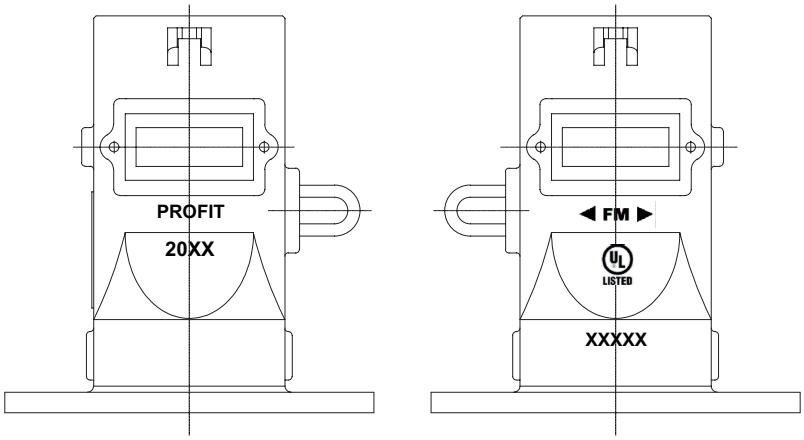
Dimensions



Weight: 26,6 kg

Marking

Body



Marking plate



Storage and handling

- Each indicator post should be unloaded carefully, it should not be dropped. Never lift indicator posts by the stem, operating nut or handwheel.
- The indicator posts should be inspected at the time of receipt for damage in shipment. The initial inspection should verify compliance with valves specifications.
- The indicator posts should be stored in a manner that protects them from the environment, preferably indoors When stored outside, protect the posts from weather conditions and avoid accumulation of water, dirt, or debris.

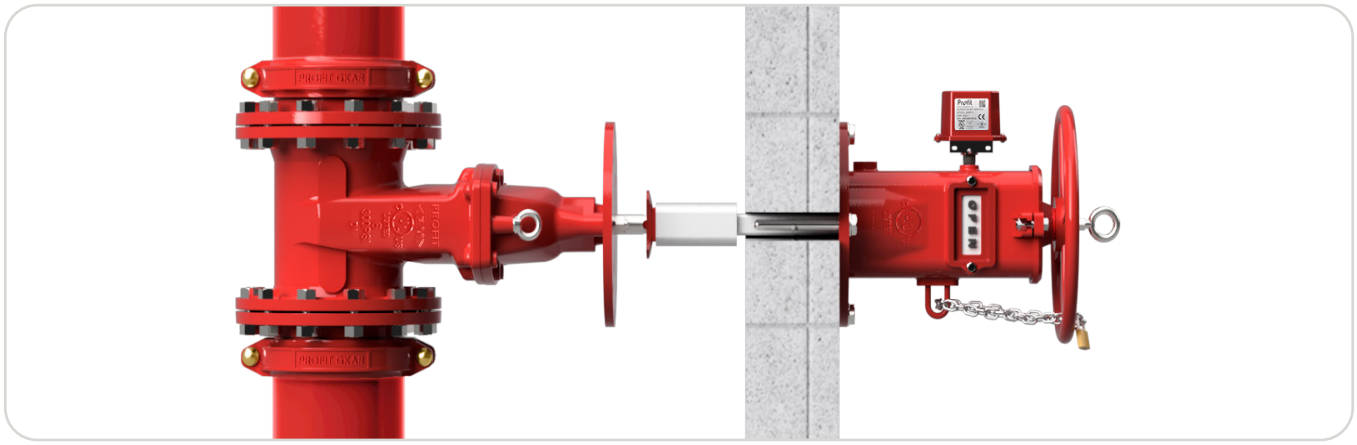


Installation

- The indicator posts must be provided with adequate support. Adjoining pipework must be supported and aligned.
- Prior to installation, a check of the identification plate and body marking must be made to ensure that the correct-post is being installed.
- Inspect the post before installing: all special packaging material must be removed. End protectors should only be permanently removed immediately before installation. Open and close the posts to ensure that it operates properly.
- Personnel for the installation must be qualified for the task.
- Targets must be positioned for use with the appropriate number of turns to open the post indicator valve. Improper positioning of the Targets can result in an erroneous indication of the open or shut position of the valve. The targets for the WINPO wall indicator post have been factory set for use with a 6”/ DN150 gate valve.

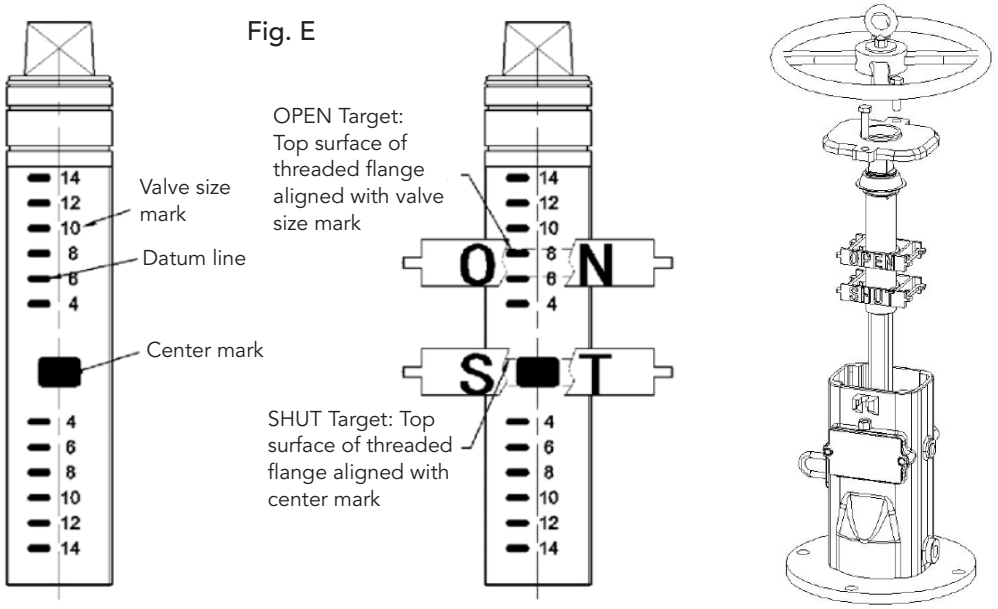
TABLE 1: TURNS TO OPEN NRS GATE VALVE WITH WINPO

Valve size		Turns to open
inch	mm	
4”	DN 100	12,5 – 14
6”	DN 150	19 – 20,5
8”	DN 200	25 – 26,5
10”	DN 250	31,5 – 33
12”	DN 300	37,5 – 39



- Installing the post:
  1. Determine the centre of the F/GNRSL valve and foresee sufficient space as a working area.
  2. Along the centreline of PIV make a 2-1/4" – 57 mm diameter clearance hole through the wall. 5-3/4" – An 150 mm diameter clearance hole if the Option Sleeve is to be used. Connect the WINPO firmly to the wall with the opening for SWIP oriented towards the top.
  3. The WINPO Wall Indicator Post is provided with an operating stem assembly that can accommodate a range of 3" - 29" / 76 mm – 738 mm between the base of the post head and the F/GNRSL operating nut. This operating stem can be cutted to length as needed.
  4. Completely close the NRS gate valve.
  5. Remove the handwheel of post by loosening the eye bolt, pry off the weather cap, remove the retaining ring.
  6. Remove the two bolts securing the cover in place and remove it along with the upper stem assembly from the post head.
  7. Position the targets (see fig. E below), and place the stem back in place.
  8. Reinstall the handwheel.
  9. Use the handwheel to open and close the valve and check to see that the "OPEN" and "SHUT" target plates are clearly in view in the windows, at their respective positions and that there is no feeling of binding of the upper and lower stem assemblies. It is recommended that the turns to open / close be counted and compared in table 1, in order to verify full valve opening.

Fig. E



- Operation:
  1. The valve is opened by turning the operating nut or indicator post counter clockwise rotation.
  2. The valve is closed by turning the operating nut or indicator post clockwise rotation.
  3. Turn the valve fully open before filling and pressurising the system.

GENERAL INFO

- Installers should be trained or experienced to install and understand the product.
- Before installation, carefully check the product on any damage during shipment or handling.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit products.
- Check if the pressure rating of the product is compatible with the service conditions.
- Depressurise and drain the sprinkler installation system before attempting to install, remove or adjust any Profit products.
- Never work on piping systems that are pressurised and / or filled with water or pressurised air.
- Piping Logistics reserves the right to change specifications, designs and / or standard equipment without notice and without incurring in any obligations.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes, goggles and gloves).



Failure to follow these instructions could result in property damage, serious injury or death.

Our product must always be stored in closed and dry environments. Once installed on an above ground sprinkler system, they require no specific maintenance.

REVISION TABLE

Date	△	Notes
17/06/2024	A	Page 1 - The approvals have been added.
29/10/2024	B	Page 5 - Adjustment of the size range that the operating stem assembly can accomodate.
11/02/2025	C	Page 5 - New picture.
11/02/2025	D	Page 5 - Clarification of the required orientation of the product.