

# Model 5450

## Adjustable Vertical Indicator Post

(with Integral Reduction Gear)

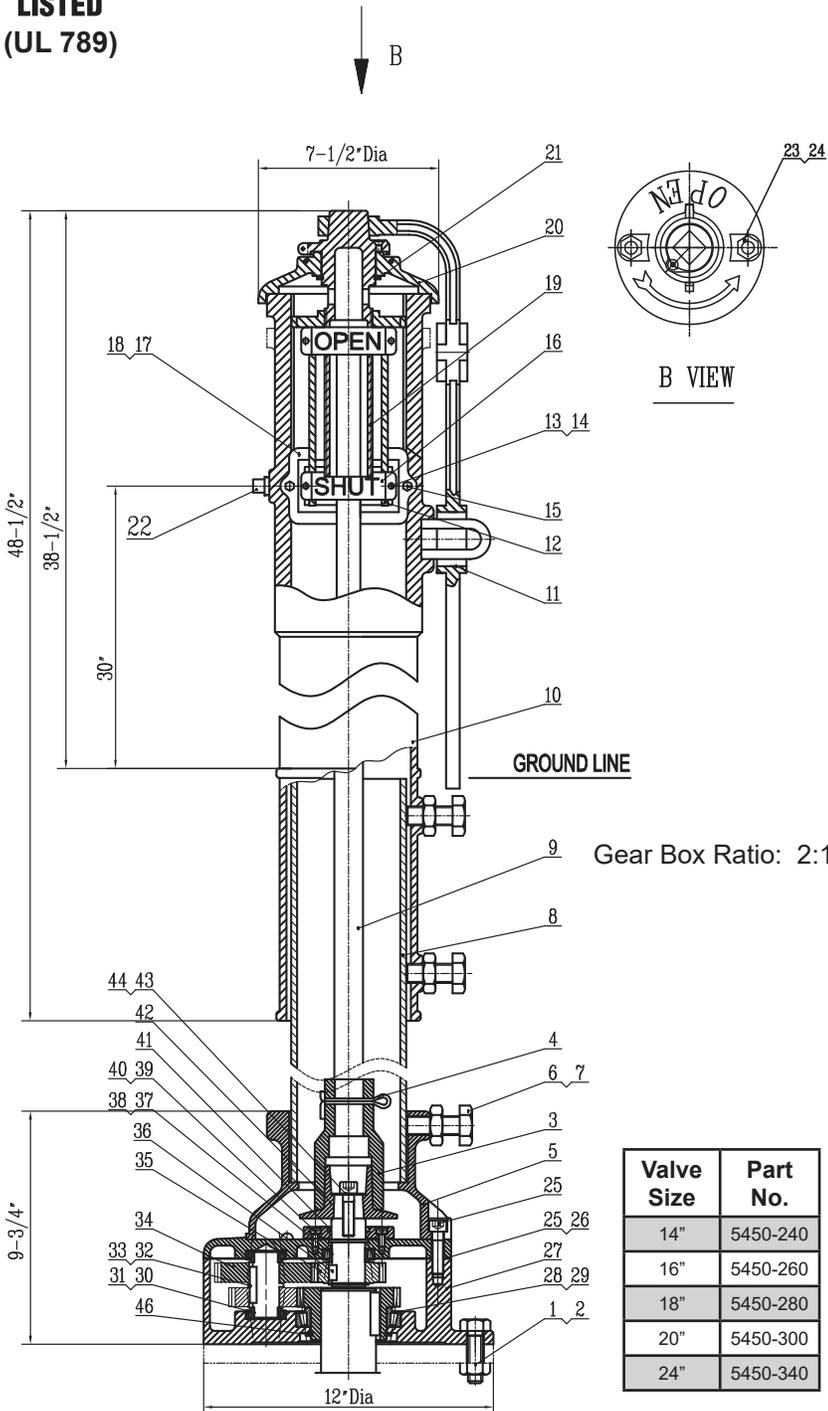


**LISTED**  
**(UL 789)**

Model 5450 for use with gate valve sizes 14"~24" (UL Listed)  
All UL Ground Indicator Posts are adjustable for any valve bury  
depth up to 15 feet (to middle of trench)

### MATERIAL LIST

| NO. | PART NAME            | ASTM SPEC.   |
|-----|----------------------|--|
| 1   | Hex Cap Screw        | Carbon Steel ASTM A307B                            |
| 2   | Hex Nut              | Carbon Steel ASTM A307B                            |
| 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   | Stem 1" Square       | ASI 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 or 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               | Aluminum ASTM B108-336.0                           |
| 17  | Window Glass         | Lexan-UN Stabilized                                |
| 18  | Gasket               | PTFE   |
| 19  | Operating Nut        | Bronze ASTM B62 C83600 or Stainless Steel Gr. 304  |
| 20  | Top Section          | Cast Iron ASTM A126 Class B                        |
| 21  | Snap Ring            | AISI 066   |
| 22  | Plug                 | Malleable Iron                                     |
| 23  | Hex Nut              | Carbon Steel ASTM A307B                            |
| 24  | Hex Cap Screw        | Carbon Steel ASTM A307B                            |
| 25  | Housing Cover        | Cast Iron ASTM A126 Class B                        |
| 26  | Housing Cover Gasket | NBR  |
| 27  | Housing              | Cast Iron ASTM A126 Class B                        |
| 28  | Output Gear          | AISI 1045 (#45)                                    |
| 29  | Bearing              | Hardened Steel                                     |
| 30  | Bearing              | Hardened Steel                                     |
| 31  | Gear Stem            | Stainless Steel X20Cr13                            |
| 32  | Gear                 | Ductile Iron ASTM A536 Gr. 65-45-12                |
| 33  | Key                  | Carbon Steel                                       |
| 34  | Gear                 | Ductile Iron ASTM A536 Gr. 65-45-12                |
| 35  | Input Gear           | AISI 1045 (#45)                                    |
| 36  | Key                  | Carbon Steel                                       |
| 37  | Bearing              | Hardened Steel                                     |
| 38  | Input Stem           | Stainless Steel X20Cr13                            |
| 39  | Gland Gasket         | Graphite   |
| 40  | Gland                | Stainless Steel X20Cr13                            |
| 41  | Dust Sealing         | NBR  |
| 42  | Wrench Nut           | Ductile Iron ASTM A536 Gr. 65-45-12                |
| 43  | Washer               | Carbon Steel - Zinc Plated                         |
| 44  | Screw                | Stainless Steel A2-70                              |



Gear Box Ratio: 2:1

| Valve Size | Part No. |
|------------|----------|
| 14"        | 5450-240 |
| 16"        | 5450-260 |
| 18"        | 5450-280 |
| 20"        | 5450-300 |
| 24"        | 5450-340 |

Form No. U0199A

Design and materials are subject to change without notice.

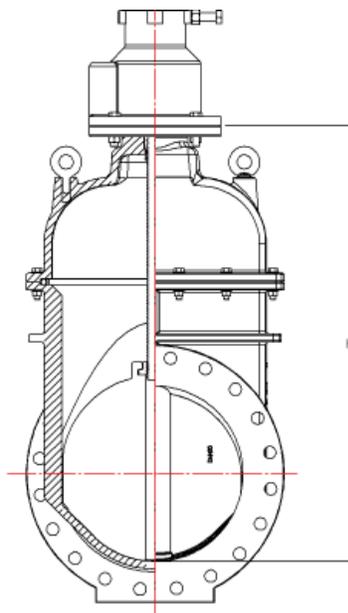
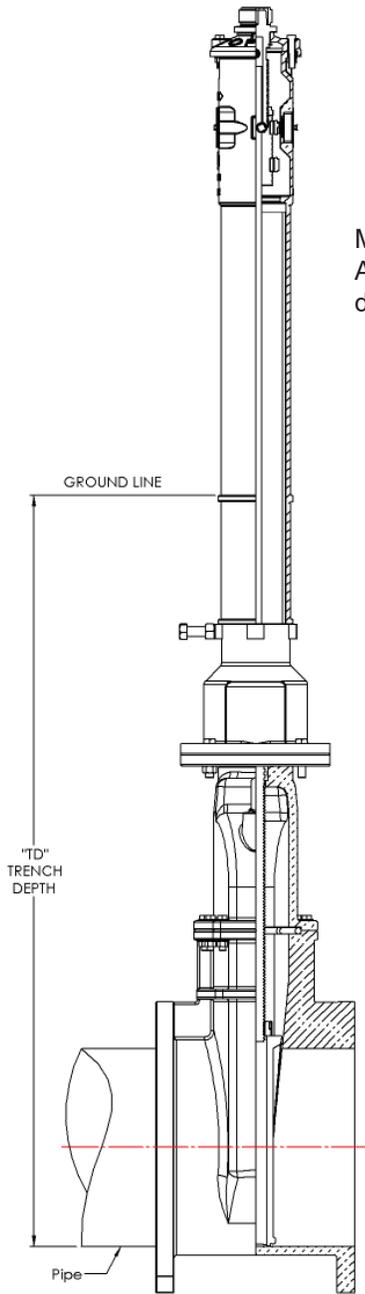


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# Nominal Installation Dimensions for Model 5450 Vertical Indicator Post



Model 5450 for use with valve sizes 14"~24" (UL Listed)  
 All UL Ground Indicator Posts are adjustable for any valve bury depth up to 15 feet (to middle of trench)



United Model 2010-PIV  
 NRS Gate Valve

| Valve Size | H      |
|------------|--------|
| 14"        | 2'-10" |
| 16"        | 3'-2"  |
| 18"        | 3'-7"  |
| 20"        | 3'-11" |
| 24"        | 4'-7"  |

| Valve Size | Trench Depth Range (TD) |       | Trench Depth Range (TD) |        | Trench Depth Range (TD) |         | Trench Depth Range (TD) |         | Trench Depth Range (TD) |        | Trench Depth Range (TD) |        |
|------------|-------------------------|-------|-------------------------|--------|-------------------------|---------|-------------------------|---------|-------------------------|--------|-------------------------|--------|
|            | A                       |       | B                       |        | C                       |         | D                       |         | E                       |        | F                       |        |
|            | Min.                    | Max.  | Min.                    | Max.   | Min.                    | Max.    | Min.                    | Max.    | Min.                    | Max.   | Min.                    | Max.   |
| 14"        | 4'-6"                   | 6'-7" | 6'-2"                   | 8'-3"  | 7'-11"                  | 9'-0"   | 8'-8"                   | 10'-9"  | 10'-5"                  | 12'-6" | 12'-2"                  | 14'-3" |
| 16"        | 4'-11"                  | 7'-0" | 6'-7"                   | 8'-8"  | 8'-4"                   | 10'-5"  | 10'-1"                  | 12'-2"  | 12'-8"                  | 14'-9" | 14'-5"                  | 16'-6" |
| 18"        | 5'-3"                   | 7'-4" | 6'-11"                  | 9'-0"  | 8'-8"                   | 10'-9"  | 10'-5"                  | 12'-6"  | 12'-2"                  | 14'-3" | 13'-11"                 | 16'-0" |
| 20"        | 5'-7"                   | 7'-8" | 7'-3"                   | 9'-4"  | 9'-0"                   | 11'-1"  | 10'-9"                  | 12'-10" | 12'-6"                  | 14'-7" | 14'-3"                  | 16'-4" |
| 24"        | 6'-4"                   | 8'-5" | 8'-0"                   | 10'-1" | 9'-9"                   | 11'-10" | 11'-6"                  | 13'-7"  | 13'-3"                  | 15'-4" | 15'-0"                  | 17'-1" |