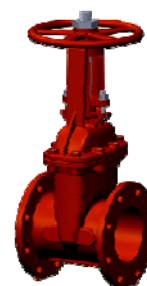


# OS&Y GATE VALVE HANDWHEEL ACTUATED

Model VCOS&Y-232

Flanged Gate Valve

2", 2 1/2", 3", 4", 5", 6", 8", 10" & 12"



## TECHNICAL DATA

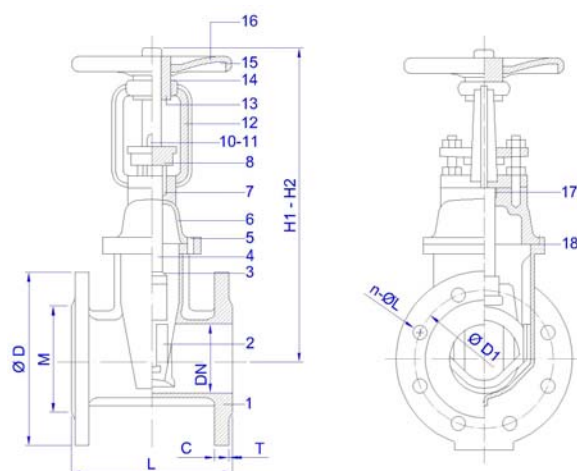
|                                 |                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                    | VCOS&Y-232<br>Flanged OS&Y gate valve 232 psi Handwheel operated                                             |
| <b>Sizes</b>                    | 2" DN50; 2 1/2" DN65; 3" DN80; 4" DN100; 5" DN125, 6" DN150 ; 8" DN200; 10" DN250 & 12" DN300 <sup>(1)</sup> |
| <b>End Connection</b>           | Flange to DIN EN 1092-2:1997<br>ASME B16.1 <sup>(1)</sup>                                                    |
| <b>Operated</b>                 | Handwheel                                                                                                    |
| <b>Maximum Working pressure</b> | 16 bar (232 psi)                                                                                             |
| <b>Working temperature</b>      | 32°F to 176°F (0°C to 80°C)                                                                                  |
| <b>Coating</b>                  | Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550                                                |
| <b>Finish</b>                   | Red RAL 3000                                                                                                 |

<sup>(1)</sup> 12" DN300 gate valve only flange type DIN EN 1092-2:1997

<sup>(2)</sup> 5" size only UL certification

## DIMENSIONS

| SIZES |     | FLANGE | DIMENSIONS (mm) |                |                |     |       |       |      |   |     |         |
|-------|-----|--------|-----------------|----------------|----------------|-----|-------|-------|------|---|-----|---------|
| Inch  | mm  |        | L               | H1<br>(closed) | H2<br>(opened) | D   | D1    | d     | C    | T | M   | n-ΦL    |
| 2     | 50  | DIN    | 150             | 323            | 373            | 165 | 125   | 99    | 19   | 3 | 180 | 4-Φ19   |
|       |     | ASME   |                 |                |                |     | 120,7 | 92    |      |   |     |         |
| 2 1/2 | 65  | DIN    | 170             | 343            | 408            | 185 | 145   | 118   | 19   | 3 | 180 | 4-Φ19   |
|       |     | ASME   |                 |                |                |     | 139,7 | 104,7 |      |   |     |         |
| 3     | 80  | DIN    | 180             | 370            | 450            | 200 | 160   | 132   | 19   | 3 | 200 | 8-Φ19   |
|       |     | ASME   |                 |                |                |     | 152,4 | 127   |      |   |     | 4-Φ19   |
| 4     | 100 | DIN    | 190             | 442            | 542            | 220 | 180   | 156   | 19   | 3 | 254 | 8-Φ19   |
|       |     | ASME   |                 |                |                |     | 190,5 |       |      |   |     |         |
| 5     | 125 | DIN    | 200             | 540            | 665            | 250 | 210   | 184   | 19   | 3 | 285 | 8-Φ23   |
|       |     | ASME   |                 |                |                |     | 216   |       |      |   |     |         |
| 6     | 150 | DIN    | 210             | 608            | 758            | 285 | 240   | 211   | 19   | 3 | 305 | 8-Φ23   |
|       |     | ASME   |                 |                |                |     | 240   |       |      |   |     |         |
| 8     | 200 | DIN    | 230             | 720            | 920            | 340 | 295   | 266   | 20   | 3 | 350 | 12-Φ23  |
|       |     | ASME   |                 |                |                |     | 298,5 |       |      |   |     | 8-Φ23   |
| 10    | 250 | DIN    | 250             | 940            | 1190           | 405 | 355   | 319   | 22   | 3 | 450 | 12-Φ28  |
|       |     | ASME   |                 |                |                |     | 362   |       |      |   |     | 12-Φ25  |
| 12    | 300 | DIN    | 270             | 1065           | 1365           | 460 | 410   | 370   | 24,5 | 4 | 450 | 12- Φ28 |



## MATERIAL LIST

| ITEM | NAME                 | MATERIAL                 |
|------|----------------------|--------------------------|
| 1    | Valve body           | EN-GJS-450-10            |
| 2    | Resilient Wedge Disc | EN-GJS-450-10 + EPDM     |
| 3    | O-ring               | NBR                      |
| 4    | Stem                 | SS420                    |
| 5    | Nut                  | Carbon Steel Zinc Plated |
| 6    | Bonnet               | EN-GJS-450-10            |
| 7    | Stem Bushing         | Brass HPb59-1            |
| 8    | Gland                | EN-GJS-450-10            |
| 9    | Flat Washer          | Carbon Steel Zinc Plated |
| 10   | Stud                 | Carbon Steel Zinc Plated |
| 11   | Nut                  | Carbon Steel Zinc Plated |
| 12   | Yoke                 | EN-GJS-450-10            |
| 13   | Stem Nut             | Brass HPb59-1            |
| 14   | Washer               | Brass HPb59-1            |
| 15   | Locknut              | Carbon Steel Zinc Plated |
| 16   | Handwheel            | EN-GJS-450-10            |
| 17   | Stem Packing         | NBR                      |
| 18   | Bonnet Gasket        | EPDM                     |

## ORDERING INFORMATION

| SIZE        | CONNECTION         |                      |
|-------------|--------------------|----------------------|
|             | DIN EN 1092-2:1997 | ANSI B16.1 CL. 125Lb |
| 2" DN50     | VCA050BR232V0      | VCA050BR232V1        |
| 2 1/2" DN65 | VCA065BR232V0      | VCA065BR232V1        |
| 3" DN80     | VCA080BR232V0      | VCA080BR232V1        |
| 4" DN100    | VCA100BR232V0      | VCA100BR232V1        |
| 5" DN125    | VCA125BR232V0      | VCA125BR232V1        |
| 6" DN150    | VCA150BR232V0      | VCA150BR232V0        |
| 8" DN200    | VCA200BR232V0      | VCA200BR232V1        |
| 10" DN250   | VCA250BR232V0      | VCA250BR232V1        |
| 12" DN300   | VCA300BR232V0      |                      |

Specify:

|               |  |
|---------------|--|
| Model number  |  |
| Quantity      |  |
| Size of valve |  |

The equipment presented in this data sheet is to be installed in accordance with the latest published Standards of the national fire protection association (NFPA), FM Global, LPCB, VdS or other similar organizations, also with the provisions of governmental codes or ordinances whenever applicable. This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.