



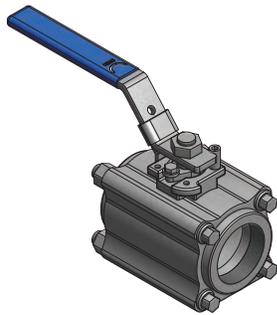
# CLEAN AGENT, CO<sub>2</sub>

## LOCKOUT/ISOLATION VALVES



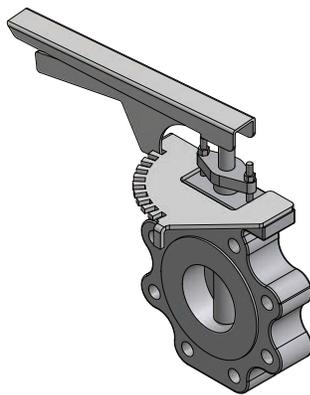
The Janus Fire Systems® line of Lockout/Isolation Valves offers a wide assortment of size, valve style, and material options to make them suitable for a variety of uses in Janus Fire Systems® Low-Pressure and High-Pressure Carbon Dioxide (CO<sub>2</sub>) Fire Extinguishing Systems and Clean Agent Fire Extinguishing Systems utilizing FM-200® or 3M™ Novec™ 1230 Fire Protection Fluid.

### VALVE TYPES



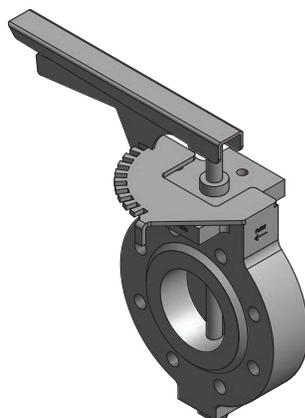
#### Manually Actuated Ball Valve

Janus Fire Systems® manually actuated ball valves have ANSI Class 600 pressure ratings suitable for use as lockout/isolation valves in clean agent and high-pressure or low-pressure carbon dioxide systems. They have a stainless steel ball and stem with either a coated carbon steel or stainless steel body as specified. The valves have Xtreme fluoropolymer-based blend seats with TFM and graphite seals. Available valve sizes are 1/2 in (15 mm), 3/4 in (20 mm), 1 in (25 mm), 1-1/2 in (40 mm), or 2 in (50 mm). Each valve may be fitted with an optional limit switch and/or stem extension.



#### Manually Actuated Wafer Valve 830 Series

The 830 Series of the Janus Fire Systems® manually actuated wafer valves have ANSI Class 300 pressure ratings suitable for use as lockout/isolation valves in clean agent and low-pressure carbon dioxide systems. The 830 Series has a stainless steel disc with either a coated carbon steel or stainless steel body as specified. 830 Series valves have Xtreme fluoropolymer-based blend seats with carbon filled enhanced PTFE seals. Available valve sizes are 3 in (80 mm), 4 in (100 mm), 6 in (150 mm), or 8 in (200 mm). Each valve may be fitted with an optional limit switch and/or stem extension.

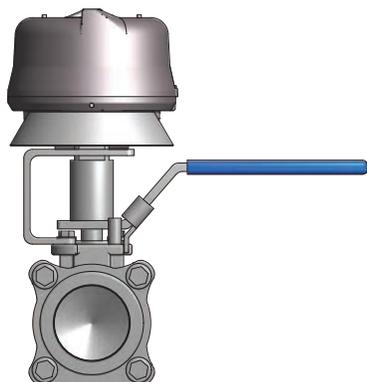


#### Manually Actuated Wafer Valve 860 Series

The 860 Series of the Janus Fire Systems® manually actuated wafer valves have ANSI Class 600 pressure ratings suitable for use as lockout/isolation valves in high-pressure carbon dioxide systems. The 860 Series has a stainless steel disc with either a coated carbon steel or stainless steel body as specified. 860 Series valves have Xtreme fluoropolymer-based blend seats with carbon filled enhanced PTFE seals. Available 860 Series valve size is 3 in (80 mm). Each valve may be fitted with an optional limit switch and/or stem extension.

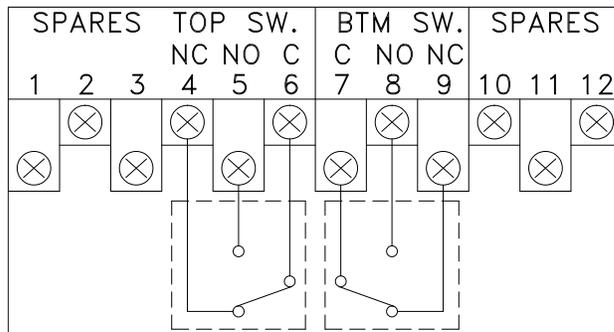


## VALVE OPTIONS



### Limit Switch

An optional explosion-proof limit switch may be placed on the manually actuated valves to provide electronic confirmation that the valves are in proper position. The limit switch has a NEMA 4, 4x, and 6 enclosure with one (1) 3/4 in (20 mm) NPT and one (1) 1/2 in (15 mm) conduit connection. It has an explosion proof rating of Class I Divisions 1 and 2 Groups B, C, D and Class II Divisions 1 and 2 Groups E, F, G. The switch consists of two single pull double throw switches with contacts rated 10 Amps at 125/250 VAC and 0.5 Amp at 125 VDC.

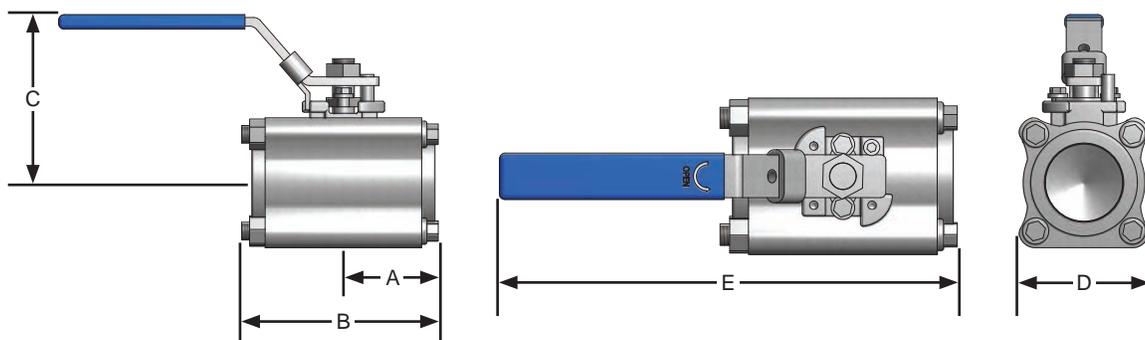


Limit Switch Wiring Diagram

### Stem Extension

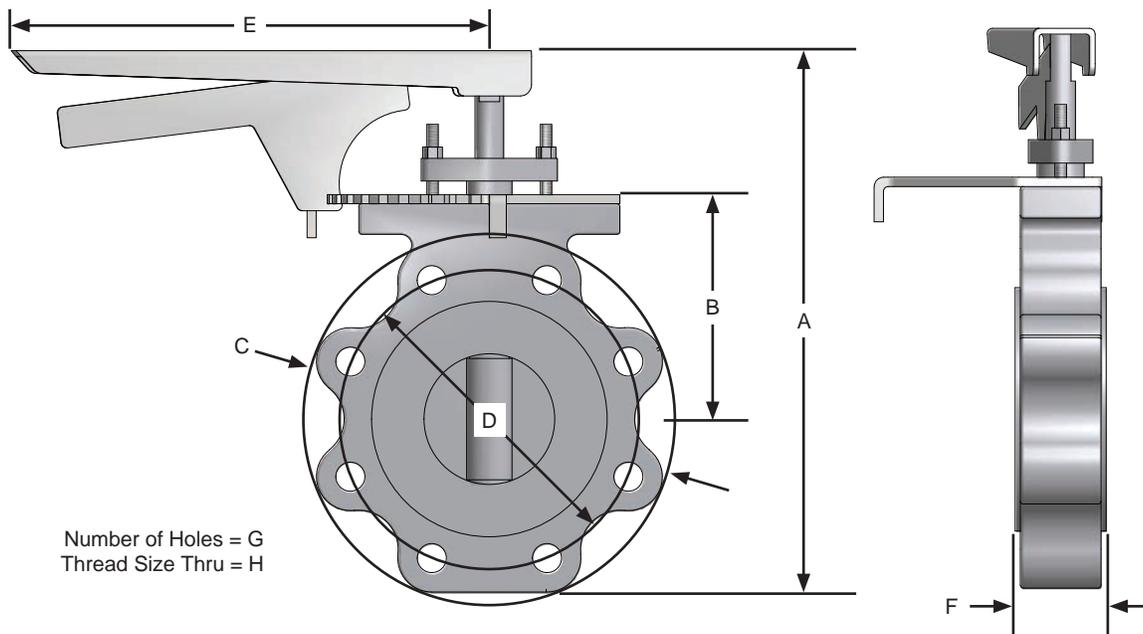
An optional 4 in (102 mm) stem extension is available for manually actuated valves for improved accessibility, particularly when used in insulated pipelines. Contact Janus Fire Systems for ordering information.

## DIMENSIONS



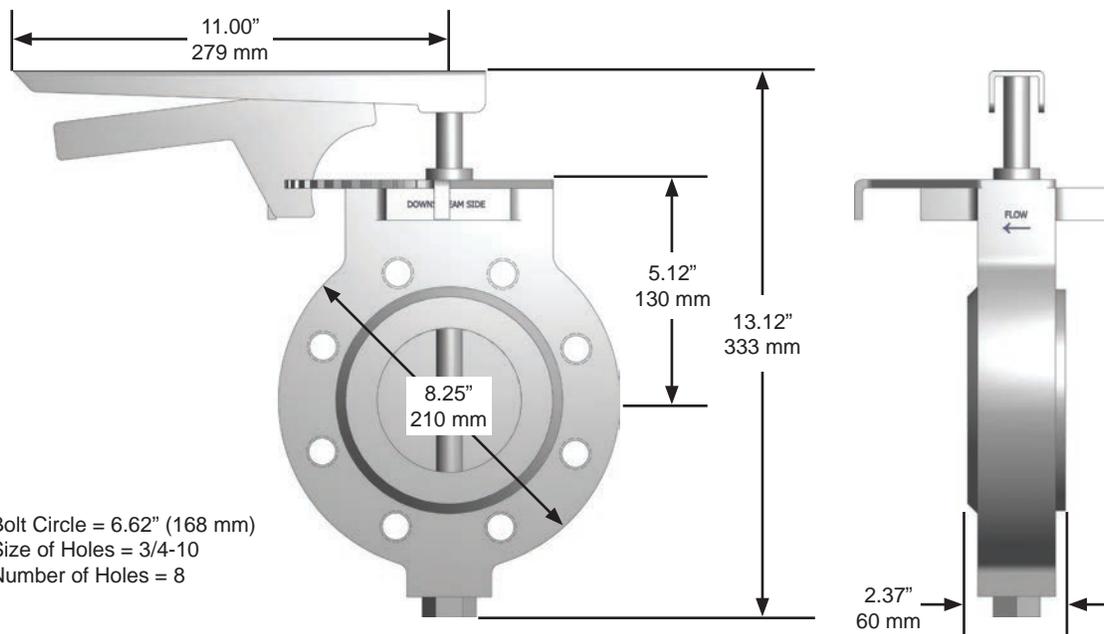
Manually Actuated Ball Valve

| Valve Size |    | Dimensions |    |      |     |      |     |      |    |       |     |
|------------|----|------------|----|------|-----|------|-----|------|----|-------|-----|
|            |    | A          |    | B    |     | C    |     | D    |    | E     |     |
| in         | mm | in         | mm | in   | mm  | in   | mm  | in   | mm | in    | mm  |
| 1/2        | 15 | 1.28       | 33 | 2.59 | 66  | 2.36 | 60  | 2.05 | 52 | 6.29  | 160 |
| 3/4        | 20 | 1.50       | 38 | 3.05 | 78  | 2.53 | 64  | 2.24 | 57 | 6.50  | 165 |
| 1          | 25 | 1.86       | 47 | 3.76 | 96  | 3.28 | 83  | 2.57 | 65 | 8.54  | 217 |
| 1-1/2      | 40 | 2.43       | 62 | 5.05 | 128 | 4.27 | 108 | 3.31 | 84 | 10.42 | 265 |
| 2          | 50 | 2.66       | 68 | 5.53 | 140 | 4.73 | 120 | 3.64 | 93 | 10.66 | 271 |



Series 830 Manually Actuated Wafer Valve

| Valve Size |     | Dimensions |     |      |     |       |     |       |     |       |     |      |    |    |        |
|------------|-----|------------|-----|------|-----|-------|-----|-------|-----|-------|-----|------|----|----|--------|
|            |     | A          |     | B    |     | C     |     | D     |     | E     |     | F    |    | G  | H      |
| in         | mm  | in         | mm  | in   | mm  | in    | mm  | in    | mm  | in    | mm  | in   | mm |    |        |
| 3          | 80  | 12.44      | 316 | 4.75 | 121 | 8.13  | 207 | 6.63  | 168 | 11.00 | 279 | 1.94 | 49 | 8  | 3/4-10 |
| 4          | 100 | 13.44      | 341 | 5.25 | 133 | 9.38  | 238 | 7.88  | 200 | 11.00 | 279 | 2.13 | 54 | 8  | 3/4-10 |
| 6          | 150 | 16.25      | 413 | 6.88 | 175 | 12.13 | 308 | 10.63 | 270 | 22.00 | 559 | 2.31 | 59 | 12 | 3/4-10 |
| 8          | 200 | 19.50      | 495 | 8.38 | 213 | 15.00 | 381 | 13.00 | 330 | 22.00 | 559 | 2.88 | 73 | 12 | 7/8-9  |



3" (80 mm) Series 860 Manually Actuated Wafer Valve

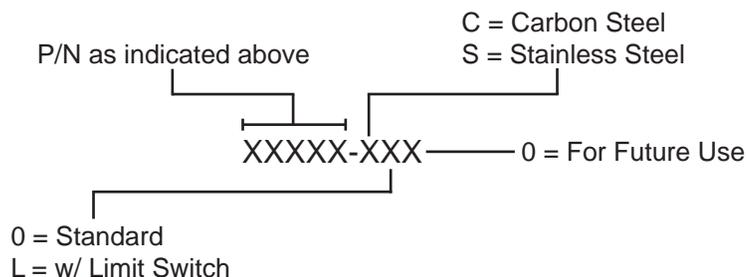


## Ordering Information

| P/N   | Valve Size | Description (see below for options)        | Nominal Weight<br>lb (kg) |
|-------|------------|--|---------------------------|
| 19465 | 1/2"       | Ball Valve, Manually Actuated              | 1.9 (0.9)                 |
| 19466 | 3/4"       | Ball Valve, Manually Actuated              | 2.7 (1.2)                 |
| 19467 | 1"         | Ball Valve, Manually Actuated              | 4.8 (2.2)                 |
| 19468 | 1-1/2"     | Ball Valve, Manually Actuated              | 9.8 (4.4)                 |
| 19469 | 2"         | Ball Valve, Manually Actuated              | 12.7 (5.8)                |
| 19470 | 3"         | Wafer Valve, 830 Series, Manually Actuated | 23.0 (10.3)               |
| 19471 | 4"         | Wafer Valve, 830 Series, Manually Actuated | 32.0 (14.3)               |
| 19472 | 6"         | Wafer Valve, 830 Series, Manually Actuated | 69.0 (30.8)               |
| 19473 | 8"         | Wafer Valve, 830 Series, Manually Actuated | 107.0 (48.8)              |
| 19474 | 3"         | Wafer Valve, 860 Series, Manually Actuated | 29.0 (13.3)               |

**NOTE:** UL Listing/FM Approval varies for type of agent used. Refer to DOC108 for models listed/approved for Novec 1230 Fluid. Refer to DOC102 for models listed/approved for FM-200<sup>®</sup>. Refer to DOC153 for models listed for HPCO2. Refer to relevant manual for models listed for LPCO2.

**Ordering Instructions:** Specify the Valve P/N followed by a dash and the appropriate three digit option code as illustrated below.



**Examples:**

- 19465-C00 – 1/2" Ball Valve, Carbon Steel
- 19467-SL0 – 1" Ball Valve, with Limit Switch, Stainless Steel

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



1102 Rucpich Drive  
 Millennium Park  
 Crown Point, IN 46307  
 TEL: (219) 663-1600 FAX: (219) 663-4562  
 e-mail: info@janusfiresystems.com  
 www.janusfiresystems.com