# 4" Manually Operated ASA/ANSI Detent Wet-R-Dri Butterfly Valve

The Betts Wet-R-Dri Valve is a lightweight and compact quarter turn in-line stop valve. This easily maintained and versatile valve is widely used for liquid, gaseous or dry products and is available in a variety of sizes. The body is offered in aluminum, cast iron or stainless lined with coatings available for increased chemical resistance and extended service life. The disc seal and shaft O-rings are available in a variety of materials to optimize chemical resistance and service temperature range. Valve mounts between 125# or 150# ASA/ANSI flanges.

| Assembly Number | Body Material | Dimensions | Maximum Working Pressure | Weight |
|---|---|---|---|---|
| WD421AL* | Aluminum | **A:** 6 3/4" (171.5 mm)<br>**B:** 5 13/16" (147.6 mm)<br>**C:** 2" (50.8 mm)<br>**O.D.:** 6 5/8" (168.3 mm)<br>**I.D.:** 4 3/8" (111.1 mm) | 75 psi<br>(5.17 bar) | 6.8 lbs.<br>(3.08 kg) |
| WD421GI* | Cast Iron | **A:** 6 3/4" (171.5 mm)<br>**B:** 5 13/16" (147.6 mm)<br>**C:** 2" (50.8 mm)<br>**O.D.:** 6 5/8" (168.3 mm)<br>**I.D.:** 4 3/8" (111.1 mm) | 75 psi<br>(5.17 bar) | 14.4 lbs.<br>(6.53 kg) |

*** Replace asterisk in part number to designate disc coating.**

**Example Assembly**

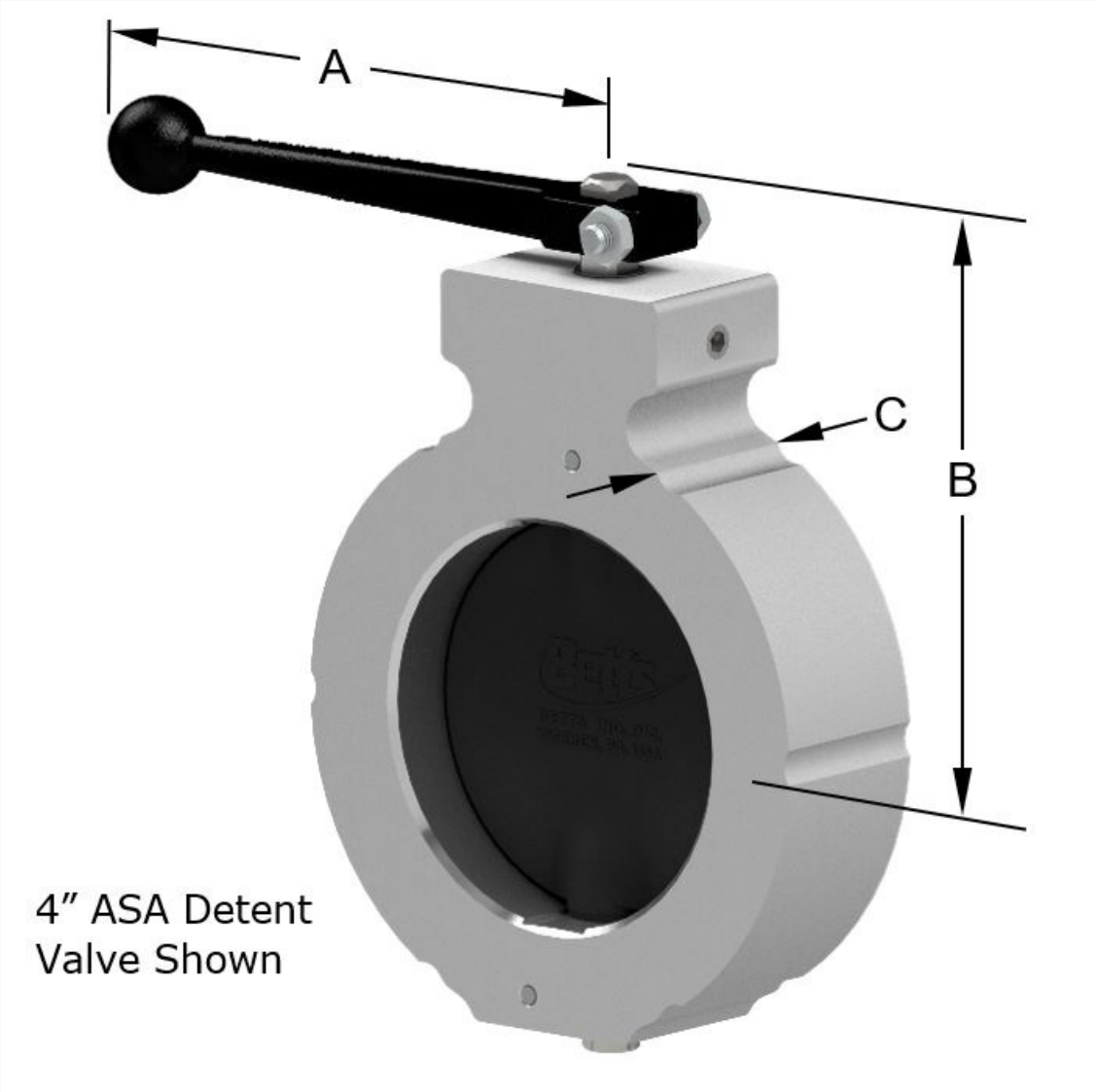
## WD421ALWB

**(4″ Wet-R-Dri Aluminum + White FDA Nitrile)**

| Seal Materials | Temperature Range |
|---|---|
| **B** = Black Nitrile (Buna-N) | -40°F to +240°F (-40°C to +116°C) |
| **WB** = White FDA Nitrile (Buna-N) | -40°F to +240°F (-40°C to +116°C) |
| **OP** = White FDA Nitrile with SS Insert | -40°F to +240°F (-40°C to +116°C) |

| Seal Materials | Temperature Range |
| --- | --- |
| **VB** = FKM (Viton™ B) Type B | -0°F to +400°F (-13°C to +204°C) |
| **VF** = FKM GFLT-S | -11°F to +400°F (-24°C to +204°C) |
| **V**= FKM (Viton™ A) Type A | -0°F to +400°F (-17°C to +204°C) |
| **U** = Black Urethane | -40°F to +200°F (-40°C to +93°C) |
| **E** = Black EPDM | -50°F to +250°F (-45°C to +121°C) |
| **WE** = White EPDM | -50°F to +250°F (-45°C to +121°C) |

**Not all materials are available for every size. Actual temperature values may vary due to service conditions.**



Repair Kits Wet-R-Dri Valve

**Betts prides itself in being able to provide products that meet a customer's specific needs. As a result we do offer modifications to our product standards. While not every request is always feasible, we do our best to meet your specific needs. In many cases this modification is noted by adding a suffix to the end of the standard part number. The following is a non-inclusive list of common options that are available for this product line . If the options listed below do not meet your requirements please contact one of Betts' Customer Service Representatives for further assistance. Please note that some product modifications may result in extended lead times.**

**Commonly used Suffixes**
**(add to end of assembly number)**
**001** = E-Coated Valve Body
**002** = Grease Fittings in shafts
**004** = Valve less handle
**019** = SS Shafts w/ SS Liner
**032** = Left Hand Operation
**046** = E-Coated Valve Left Hand Operation
**089** = 225 psi tested w/ Fluorosilicone O-rings

**Installation:** The Wet-R-Dri Valve may be mounted in any position with a handle located for easy operation. Standard right-hand operation opens by turning handle ¼ turn counterclockwise and left-hand operation (clockwise opening) is available for valve with the suffix "032". Care should be taken when mounting the valve to be sure the I.D. of adjoining flanges or pipe is large enough to allow the disc of the valve to open freely. Valve mounts between 125# or 150# ASA/ANSI flanges.

EB-02-17: Wet-R-Dri Valve Product Family Changes and New Product Introduction

SB9-08: Wet-R-Dri Valve Viton® Disc Material Update

⚠ **WARNING**: This product can expose you to chemicals including Chromium (hexavalent compounds) which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov. For additional information on Betts products and Proposition 65 list please see: http://www.bettsind.com/prop-65/