2" Pneumatic & Hydraulic Operated TTMA 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. This valve comes with an actuator that opens and closes the valve and provides a visual indicator that clearly shows the orientation of the valve disc. The actuator is available in various styles:

- Air-open/air-close (model "17")
- Air-open/spring-close (model "19")
- Spring-open/air-close (model "19" with suffix "017")
- Hydraulic-open/spring-closed (model "18")
- Spring-open/hydraulic close (model "18" with suffix "017")

The body is offered in aluminum, cast iron or stainless-lined with coatings available for increased chemical resistance and extended service life. The actuator is e-coated aluminum with a robust fiberglass cylinder. The disc seal and shaft O-rings are available in a variety of materials to optimize chemical resistance and service temperature range. The bolt pattern matches TTMA piping flange dimensions.

- Air cylinder max pressure = 150 psig (10 bar)
- Hydraulic cylinder max pressure = 3,000 psig (207 bar)
- Actuator max temperature = 240°F (116°C)

Assembly Number Air/Air (Model 17)	Weight	Body Material	Dimensions	Maximum Working Pressure
WD217AL*	6.4 lbs. (2.90 kg)	Aluminum	A: 13 7/16" (341.3 mm)	75 psi (5.17 bar)

Assembly Number Air/Air (Model 17)	Weight	Body Material	Dimensions	Maximum Working Pressure
			B: 5 3/16" (147.6 mm) **C:** 1 1/8" (28.6 mm) **D:** 17" (431.8 mm) **O.D.:** 3 3/4" (95.3 mm) **I.D.:** 2 1/4" (57.2 mm) **B.C.:** 3 3/4" (95.3 mm) **Holes:** 6 - 7/16" (6-11 mm)	
WD217GI*	8.4 lbs. (3.81 kg)	Cast Iron	**A:** 13 7/16" (341.3 mm) **B:** 5 3/16" (147.6 mm) **C:** 1 1/8" (28.6 mm) **D:** 17" (431.8 mm) **O.D.:** 3 3/4" (95.3 mm) **I.D.:** 2 1/4" (57.2 mm) **B.C.:** 3 3/4" (95.3 mm) **Holes:** 6 - 7/16" (6-11 mm)	75 psi (5.17 bar)

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

Example Assembly

WD217ALWB

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

Assembly Number Hydraulic/Spring (Model 18)	Weight	Body Material	Dimensions	Maximum Working Pressure
WD218AL*	8.1 lbs (3.68 kg)	Aluminum	**A:** 13 7/16" (341.3 mm) **B:** 5 3/16" (147.6 mm) **C:** 1 1/8" (28.6 mm) **D:** 17" (431.8 mm) **O.D.:** 3 3/4" (95.3 mm) **I.D.:** 2 1/4" (57.2 mm) **B.C.:** 3 3/4" (95.3 mm) **Holes:** 6 - 7/16" (6-11 mm)	75 psi (5.17 bar)
WD218GI*	10.2 lbs. (4.62 kg)	Cast Iron	**A:** 13 7/16" (341.3 mm) **B:** 5 3/16" (147.6	75 psi (5.17 bar)

Assembly Number Hydraulic/Spring (Model 18)	Weight	Body Material	Dimensions	Maximum Working Pressure
			mm) **C:** 1 1/8" (28.6 mm) **D:** 17" (431.8 mm) **O.D.:** 3 3/4" (95.3 mm) **I.D.:** 2 1/4" (57.2 mm) **B.C.:** 3 3/4" (95.3 mm) **Holes:** 6 - 7/16" (6-11 mm)	

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

Example Assembly

WD218ALWB

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

Assembly Number Air/Spring (Model 19)	Weight	Body Material	Dimensions	Maximum Working Pressure
WD219AL*	7.0 lbs. (3.18 kg)	Aluminum	**A:** 13 7/16" (341.3 mm) **B:** 5 3/16" (147.6 mm) **C:** 1 1/8" (28.6 mm) **D:** 17" (431.8 mm) **O.D.:** 3 3/4" (95.3 mm) **I.D.:** 2 1/4" (57.2 mm) **B.C.:** 3 3/4" (95.3 mm) **Holes:** 6 - 7/16" (6-11 mm)	75 psi (5.17 bar)
WD219GI*	9.1 lbs. (4.11 kg)	Cast Iron	**A:** 13 7/16" (341.3 mm) **B:** 5 3/16" (147.6 mm) **C:** 1 1/8" (28.6 mm) **D:** 17" (431.8 mm) **O.D.:** 3 3/4" (95.3 mm) **I.D.:** 2 1/4" (57.2 mm) **B.C.:** 3 3/4" (95.3 mm) **Holes:** 6 - 7/16" (6-11 mm)	75 psi (5.17 bar)

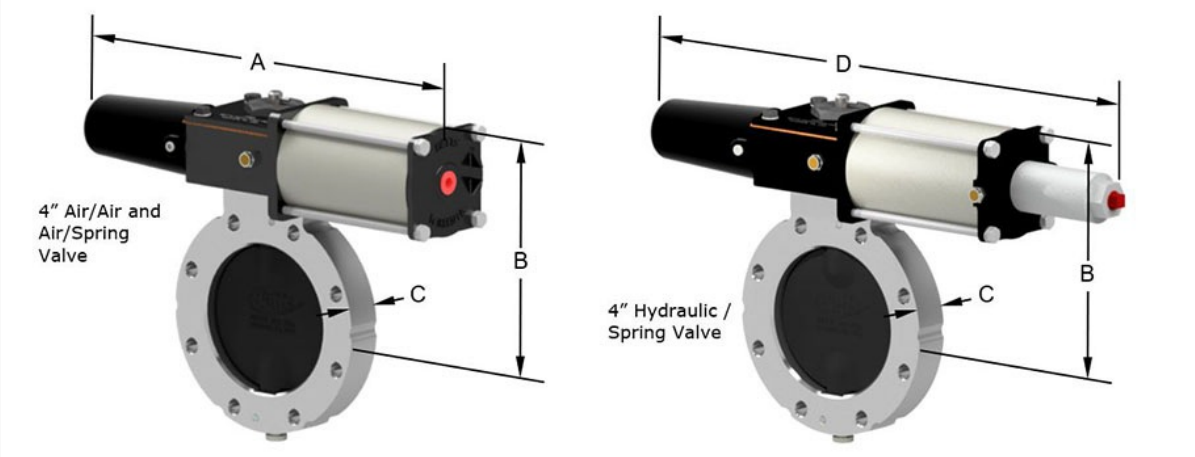
*** Replace asterisk in part number to designate disc coating.**

Example Assembly Number (Model 19)	Air/Spring	Weight	Body Material	Dimensions	Maximum Working Pressure
WD219ALWB					

(2″ 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)
VB = FKM (Viton™ B) Type B	+9°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
017 = Normally Open
019 = SS Shafts with SS Liner
058 = Less Actuator
089 = 225 psi tested with Fluorosilicone O-Rings

Installation: The Wet-R-Dri Valve may be mounted in any position. 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. It is recommended to use Betts flanges and adapters shown in Section 20, Page 5A.

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

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

EB-01-02: Converting Wet-R-Dri Actuator from Normally Closed to Normally Open

EB3-98: Betts Air Actuator – Manual Operation Instructions

⚠ **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/