Pneumatic & Hydraulic Operated 12” Wet-R-Dri Butterfly Valve (non-TTMA)

The Betts 12” Wet-R-Dri Valve is a quarter turn in-line stop valve that is comparatively lightweight and compact for its large thru area. This easily maintained and versatile valve is widely used for liquid, gaseous or dry products. 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
- Air-open/spring-close
- Hydraulic-open/spring-closed

The body is offered in aluminum or aluminum with stainless liner. Body coatings are available for increased chemical resistance and extended service life. Grease fittings come standard for drive shaft and bearing shaft. 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.

- 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	Weight	Assembly Number Air/Spring	Weight	Assembly Number Hydraulic/Spring	Weight	Body Material	Maximum Working Pressure
WD1217AL*	35.6 lbs.	WD1219AL*	36.3 lbs.	WD1218AL*	37.6 lbs.	Aluminum	20 psi (1.38 bar)

Assembly Number Air/Air	Weight (16.1 kg)	Assembly Number Air/Spring	Weight (16.5 kg)	Assembly Number Hydraulic/Spring	Weight (17.1 kg)	Body Material	Maximum Working Pressure

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

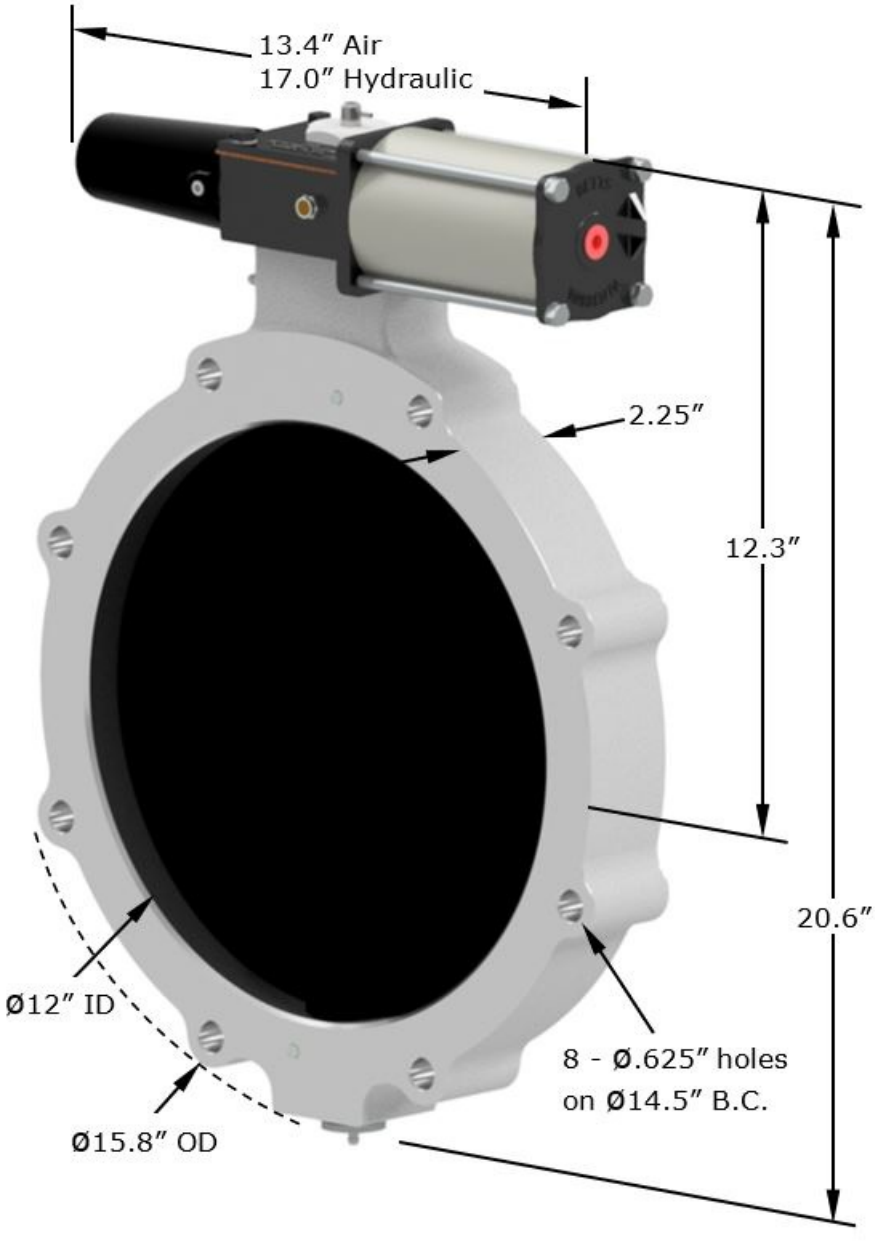
Example Assembly

WD1217AL**WB**

(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)
V= FKM (Vitron™ 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)

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 Requested Options:
001 = E-coated valve body
017 = Actuator mounted normally open
019 = SS shafts w/ SS valve liner
095 = Actuator mounted normally open w/ E-coated body
106 = SS shafts w/ SS valve liner w/ E-coated body

Installation: **The Wet-R-Dri Valve may be mounted in any position. Care should be taken when mounting 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**

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/