

AVK BUTTERFLY VALVES - DOUBLE FLANGED REPLACEABLE LINER



**EXPECT
IT TO BE
EFFECTIVE
AND EASY**

Expect... **AVR**

OUR FOCUS IS ON THE ENVIRONMENT

The AVK Group prides itself on being one of the leading valve manufacturers within the water, gas, sewage, and fire fighting industries worldwide. Our product program comprises a large range of valves, hydrants and accessories, each complying with the highest standards of quality, safety and durability.

Today the AVK Group's products comply with most of the common national and international standards such as AS, NZS, ISO, CEN, DIN, NF, BS, AWWA, JWWA, SABS, and GOST.

AVK recognises the dangers of environmental impact from a global point of view. AVK products are part of the infrastructure and as such, they are an important part of the environment in many regions around the world. Therefore, we constantly work on reducing this impact as much as possible by improving actions in the environmental aspect of our operations.

AVK constantly seeks to identify areas of improvement within the environment,



not only in our production processes but also in relation to our suppliers where we have set certain standards.

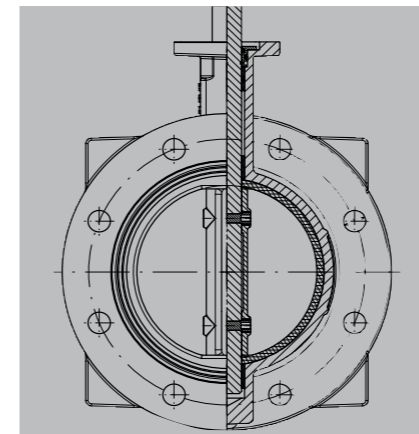
At our factories and in all processes AVK works systematically by:

- Always complying with environmental and work environment legislation and other relevant requirements from authorities within the area in question.
- Minimising the consumption of energy and raw materials.
- Reducing the amount of waste within the company. Where possible recycle waste materials from production or alternatively apply the most environmentally friendly waste disposal methods.

- Minimising the use of materials and processes which may be hazardous to the external and workplace environments.
- Informing and educating company employees, enabling them to act in accordance with our objectives concerning external and workplace environments and thereby contributing to minimising environmental hazards.
- Taking environmental factors into consideration when choosing suppliers.
- Advising customers on the use and disposal of company products.
- Continuous improvement in our quest for the prevention of pollution.
- On-going evaluation of the external and internal workplace environment.



CONCENTRIC BUTTERFLY VALVES



AVK Valves have a comprehensive range of butterfly valves for use in water supply and water treatment where high performance, easy operation and long life are an essential requirement. This range of replaceable liner concentric butterfly valves DN80-500 have been certified StandardsMark approved to AS 4795.

The AVK butterfly valve program comprises of:

- Double flanged face to face dimensions complying with AS 4795 (PN16).
- Top flange complying to ISO 5211.
- Operation with lever or gearbox:
- DN80-150 with lever,
- DN150-500 with gearbox and handwheel.
- Alternative; with electric/pneumatic actuator.

What are the features and benefits?

1. Unique AVK liner design:

A dovetail profile on the liner ensures the seat is retained. The flange design prevents the flange gasket surface from being over tightened.

A 3mm high profile on the gasket surface ensures optimum sealing. The liner complies with AS 4020 for potable water applications.

2. The AVK stem and stem gasket system

The valve is operated with a 316 Stainless Steel stem with a keyway compatible to most commonly used electric and pneumatic actuators.

Self lubricating trunnion bearings in top and bottom of the valve secure alignment of the stem and prevent corrosion.

Triple o-rings moulded into the rubber liner seal against internal pressure.

Why choose a replaceable liner?

When you choose a replaceable liner, you are assured of being able to refurbish the valve as part of your long term asset management program.

An exchangeable stem sealing box in bronze (RG5) secured with Stainless Steel screws keeps the Stainless Steel lockring in place.

3. The AVK disc & stem design

A full length SS316 stem is inserted through the SS316 disc and is retained in the disc with Stainless Steel pin bolts and o-ring seals.

The bottom plate is sealed with a square lid and gasket that surrounds the bolts protecting them from thread corrosion.

4. The body design

The height of the neck is according to standard specifications allowing the valve to be insulated.

All flanges are designed with square corners and threaded holes for the provision of feet or lifting eyes.



Table of dimensions

DN	L	H	F2	D1	Top flange	D
					ISO 5211	
80	114	286	34	15	F07	90
100	127	323	34	15	F07	90
150	140	375	34	25	F07	90
200	152	447	44	25	F10	125
250	165	519	44	35	F10	125
300	178	604	54	35	F12	175
350	190	695	64	45	F14	210
400	216	769	79	60	F16	210
450	222	822	79	60	F16	210
500	229	911	79	60	F16	210



Standard gearbox information

DN	Type	Input torque (Nm)	Ratio	Handwheel dim
				OD mm
80	-	-	-	-
100	-	-	-	-
150	Wormgear*	14	30:1	160
200	Wormgear	19	30:1	160
250	Wormgear	31	34:1	250
300	Wormgear	67	34:1	500
350	Wormgear	91	38:1	600
400	Wormgear	90	55:1	600
450	Wormgear	92	84:1	600
500	Wormgear	72	84:1	500

* optional with lever

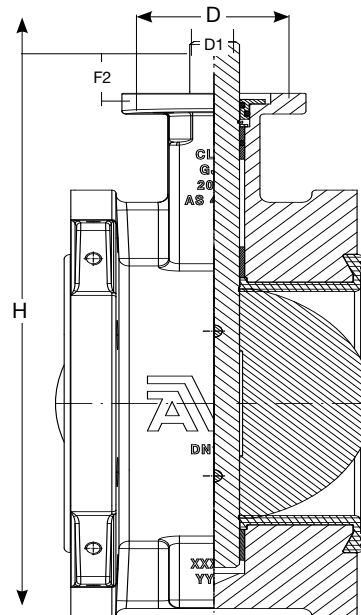
Lever details

DN	L (mm)
80	290
100	290
150	365

Lever is cast Stainless Steel and lockable

Accessories

- Extension spindles
- Torque limiter
- Other options available



AVK Valves Pty Ltd

559A Grand Junction Road
Wingfield, SA 5013
Australia

T: +61 8 8368 0900
F: +61 8 8368 0970
E: enquiries@avk.au.com.au
W: www.avkcivil.com.au

Expect... **AVK**