



期望  
高性能

Expect... **AVR**

# AVK 中国

AVK 集团是一家由 100 多个公司组成的私营工业集团。AVK 的核心业务是开发和生产阀门、消火栓和管配件，产品主要应用在供水、污水处理、燃气管网、消防领域和楼宇建筑领域。此外，AVK 也为各个工业领域、先进制造提供产品和解决方案，并建立了强大的品牌。AVK 的产品基于主要的国际标准来设计，并被销往世界各地。与 AVK 集团的合作代表了客户对品质、功能、可靠性和长久使用寿命的期望。

AVK 中国现已形成闸阀、蝶阀、止回阀、空气阀、控制阀、消火栓、管件等多条产品线，同时拥有德国 GSK/

DVGW，英国 WRAS，美国 NSF 等多项权威证书，产品不仅在大陆港澳台销售，更是借助集团遍布全球的销售网络销往世界各地。另外，公司还通过了 BSI 的 ISO9001、ISO14001、ISO45001 三大体系认证，并通过大力推进精益生产，持续改进，不断为客户提供负担得起的高品质产品。

埃维柯阀门（上海）有限公司成立于 2002 年，是 AVK 集团在上海设立的直属营销机构，旨在更好地服务于中国大陆不断增长的市场。目前，我们主要业务范围包括供水、污水处理、大坝和水库、工业造船及楼宇建筑领域等。

埃维柯阀门（安徽）有限公司成立于 2001 年，是隶属于丹麦 AVK 集团的全资子公司。现已发展成为集团海外最大的生产基地，包括大阀门厂、管件厂、机加工厂三大生产车间。同时 AVK 集团亚太研发中心、AVK 精密铸造工厂、AVK 塑料科技公司、AVK 密封科技公司等环绕周边，形成了强大的产业链。

## AVK 创立于 1941 年

创始人是 Aage Valdemar Kjær 先生，最初时的业务是管道服务和压缩机制造。



## 1970s

他的儿子 Niels Aage Kjær 先生接手了该公司，研发出一款用于饮用水的软密封闸阀。

直到今天 Niels Aage Kjær 仍然引领着 AVK 集团并将 AVK 发展为一家全球性公司。

从工作室到  
跨国公司

+4400

全球雇员超过  
4400 名

+100

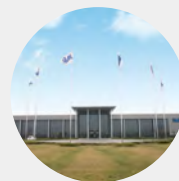
全球设立超过 100  
家生产和营销公司

9

AVK 在中国  
成立 9 家公司



AVK  
丹麦总部



AVK 中国



# 为什么 选择AVK中国



我们为面向未来的水务议程提供安全可靠的创新性阀门解决方案。AVK集团是我们的母公司，由全球100多家子公司组成。我们为供水、污水处理、燃气、消防、大坝和水库、工业阀门、楼宇建筑领域和海洋项目提供阀门解决方案，拥有超过50年的深厚技术积淀。

## 项目遍及全国，致力于创造更美好的未来

我们在国内拥有超过20年的运营经验，广泛参与超过500多个涉及各类供水和污水领域的项目。我们在本地建立产品生产设施，能够对供应链和原材料采购进行严密的把控。从而，AVK中国能够提供定制化的解决方案，不仅满足特定的项目要求，还能以合理的价格提供符合高品质标准的产品。

我们在中国设有9家子公司。我们时刻关注着政府法规的变化，对不同项目的工况、面临的挑战以及需要满足的监管要求都有着透彻的理解。所有的阀门在出厂前都要进行全面的质量检测，以此确保每个产品都符合国际最高质量标准。这大大降低了泄漏和故障的风险，也是我们能够承诺产品的使用寿命超过30年的原因。

# AVK 责任与担当

全世界正面临着实现绿色转型和联合国大会2015年确定的17个可持续发展目标的巨大挑战。

17个可持续发展目标及169个次级目标,旨在使世界成为一个更好的居住场所。着眼于新的商业机会和对当地及全球可持续发展的更高期望,作为水和污水处理行业的全球领导者,AVK集团将承担社会责任,创造价值,为实现可持续发展目标作出贡献。



## 可持续发展目标





# AVK 楼宇建筑领域

AVK是著名的高质量产品制造商,在世界范围内提供广泛的产品,适用于楼宇建筑细分领域。



AVK 产品因其高质量的设计、生产和材料而长期立于不败之地。AVK 关注产品的质量和可靠性。AVK 楼宇建筑的产品广泛用于暖通系统、给排水系统,消防系统,液冷等系统。

AVK 生产一系列不同材质的阀门,如球墨铸铁、海军黄铜、聚甲醛 (POM)。

AVK 提供一系列用于楼宇建筑的产

品,包括弹性软密封闸阀、金属硬密封闸阀、中线蝶阀、双偏心蝶阀、旋启式/静音止回阀、截止阀,球阀,Y型过滤器等。

在 AVK,我们提供促进安全、效率和可持续性的解决方案。我们提供基于应用知识、合格的本地支持和国际协作的最佳阀门解决方案。AVK 产品按照主流国际标准设计,并在全球超过 86 个

国家销售。AVK 集团为客户提供质量、可靠性、功能和持久性的承诺。

在基础设施上的投资,对实现可持续发展和提升国家的社区服务水平至关重要。人们早就认识到,要实现生产力和收入的增长以及健康和教育的改善,离不开对基础设施的投资。



# 闸阀



软密封闸阀

- 实践证明产品具有超长使用寿命。主要用于供水、燃气、污水处理和消防等应用领域
- 经过全面的测试可以证明橡胶的粘接在超过5000次的开关循环后不受影响，即使运行多年后仍然保持绝对的密封
- AVK GUMMI专利橡胶配方及工艺确保阀门适合水、污水工艺流程，确保长期使用的密封性能和对人体健康的安全
- 环氧涂层均符合DIN 30677-2和GSK标准
- 阀杆螺纹经冷压工艺轧制，具有较低的操作扭矩和持久的耐用性能
- 具有三重安全防护的阀杆密封系统
- 多种阀端配置系列：法兰、承接、凹槽接头和BLS接头及套管接头
- 固定式阀瓣铜螺母嵌入阀瓣内，与阀瓣形成一体，具有抗震、防腐、防损坏及防水锤作用
- 阀瓣的内核完全被橡胶所包覆，从而防止橡胶底部发生裂隙腐蚀
- 圆截面阀盖橡胶密封圈被嵌入阀盖上的沟槽内从而防止由于压力冲击被挤出
- 按结构分可提供明杆闸阀和暗杆闸阀
- 最大尺寸至DN1200



硬密封闸阀

- 铸铁闸板上配上铜板圈，将铜板圈加工至极细的表面光洁度以保证与阀体圈完全接触，从而得到良好的密封性能
- 通过国际饮用水认证，确保使用安全
- 压缩量可调节的聚四氟乙烯填料提供了紧密且长期有效的阀杆密封
- 圆截面阀盖橡胶密封圈被嵌入阀盖上的沟槽内从而防止由于压力冲击被挤出
- 导轨与导槽的设计有助于减小操作中闸板和阀体之间的摩擦
- 可提供全不锈钢阀体材质的闸阀
- 最大尺寸至DN2200



# 蝶阀



中线衬胶蝶阀

- 带活动衬垫中心密封设计便于橡胶衬垫的更换从而延长了阀门的使用寿命，静电环氧喷涂防止腐蚀
- 阀轴防吹出设计保证使用安全
- 橡胶衬垫提供弹性密封及阀杆周围平整的接触区域，从而实现最佳密封
- 2个短轴与细薄流线型蝶板配合确保了通过阀门时低压力损失
- 对夹、支耳、法兰多种连接形式
- 一片式可更换橡胶内衬，起到法兰垫片的作用，阀杆无销设计确保长期使用
- 安装无方向要求，无需法兰垫片
- 可提供全不锈钢阀体材质的蝶阀
- 可提供FKM氟橡胶密封的蝶阀
- 最大尺寸至DN1600



中线硫化橡胶蝶阀

- 硫化橡胶高可靠性，适用于恶劣工况
- 扭矩低且长期使用扭矩稳定
- 密封性能好
- 阀门开关时橡胶不会与阀体有位移风险
- 阀体不会有腐蚀
- 适用于高真空的工况
- 安装无方向要求，无需法兰垫片
- 最大尺寸至DN2000



双偏心蝶阀

- 双偏心设计确保大口径产品扭矩小阀门使用寿命长
- 干轴式设计，保证阀轴传力部件
- 环氧涂层均符合DIN 30677-2和GSK标准
- 倾斜式密封设计，双向密封，扭矩低寿命长
- 密封圈可在线更换
- 独有专利橡胶：抗臭氧，优异的记忆回弹特性，满足W270标准，超长的使用寿命
- 一体式阀座或可更换不锈钢阀座
- 尺寸大于DN700带有防阀板位移锁定装置，维护过程方便安全
- 最大尺寸至DN4000

# 止回阀



静音止回阀

- 金属密封静音止回阀安装在泵后防止水流倒流，并适用于高温工况
- 阀门通过内置弹簧进行启闭，阀瓣启闭行程很短，使阀门快速关闭，有效避免阀门关闭时引起的水锤效应
- 超大流道设计避免了传统止回阀流阻大的问题
- 特殊阀座设计，使内件更换简单方便
- 内外表面都是熔融烧结环氧树脂粉末涂层
- 金属阀座持久耐用，适合高温工况
- 可提供全不锈钢阀体材质的静音止回阀
- 最大尺寸至DN400



球型止回阀

- 全通径设计，是市场上最低水损的止回阀之一，确保水泵达到最大效率
- 安装空间小，结构紧凑，可同时用于水平和垂直安装。并且确保极低的背压即可密封
- 球形设计，特别适合污水介质，不会被纤维缠绕阀轴而导致功能失效
- 重量轻，易于搬运
- 阀体和阀盖都为球墨铸铁加静电环氧树脂喷涂
- 可根据工况不同而专业配比不同重量球体，保证流阻最小
- 球体具有自清洁功能
- 有法兰或丝口连接方式
- 最大尺寸至DN600



旋启式止回阀

- 广泛应用于楼宇建筑领域，具有全通径和低水损的特点，确保泵最大效率，既可垂直安装也可水平安装，且极易维护
- 符合DIN和BS标准
- 全硫化软密封阀瓣或铜合金阀座硬密封设计，免维护
- 结构简单，故障率极低
- 水头损失小
- 可安装重锤附件、弹簧组件、定销微开装置、重锤保护装置
- 最大尺寸至DN1000



不锈钢丝扣止回阀

- 采用BSPT锥型螺纹
- 采用旋启式结构，可水平安装或垂直安装
- 阀体为不锈钢304材质
- 最大对应口径DN50



# 控制阀、浮球阀、截止阀



控制阀

- 模块化设计：互连和可互换的零件，包括三个AISI 316或304不锈钢材质的主要部件，使备件最少化
- 功能：自动控制阀可以轻松改装，以适应不同的功能（还可以选择更换控制模块），可以使用原始阀
- 速度调节：阀门的开启和关闭速度可以通过使用标准工具在分配块进行调节来轻松控制
- 过滤系统：在线式大容量过滤器，方便清洁。可以在该阀门运转时进行清洗，不需要关闭该系统
- 调节器控制单元：轻松调节，无需其它工具，由于采用了人体工学设计，能够精确设置，还能轻松更换模块，只需作微小改动
- 模块化设计：可以使用特定的单功能模块或多功能模块，根据不同的应用进行更换
- 提升阀座，以避免气蚀现象造成的损害。阀门在全开位置有很高的Kv值
- 由熔结环氧防腐层覆盖的球墨铸铁的阀体和阀盖，提高耐磨性
- EPDM尼龙增强膜片，关闭角度小，减轻关闭位置附近的应力
- 新的抛物线形插塞的设计提供了高行程比，确保并提高了控制性能的平稳度，减少了噪音和振动
- 可选防气蚀阀内件：减少噪音，通过避免侵蚀提高了阀门的使用寿命。提供AISI316不锈钢选项
- 最大尺寸至DN600



浮球阀

- 杠杆浮球设计，免维护
- 无先导阀，无细管先导。可以用于雨水收集系统
- 对介质杂质要求不敏感，适用范围广
- 安装使用简便，维护方便
- 最大尺寸至DN300



不锈钢丝扣截止阀

- 采用BSPT锥型螺纹
- 阀体为不锈钢304材质
- 阀瓣为不锈钢304材质
- 最大对应口径DN50

# Y型过滤器、球阀



Y型过滤器

- 阀盖堵头可以在不拆卸阀盖的情况下将阀门排空
- 可快速拆卸阀盖进行维修
- DN100以上，配置吊耳，便于搬运
- 螺母固定在铸槽内，防止螺纹腐蚀
- 不锈钢过滤网采用坚固的一体式设计
- EPDM O型圈通过饮用水认证
- 环氧树脂喷涂按照DIN30677-2，通过GSK认证
- 可预留压力传感器接口，以便测试不同压力状态
- 有法兰或丝扣连接方式
- 可提供全不锈钢阀体材质的Y型过滤器



不锈钢两片式丝扣球阀

- 采用BSPT锥型螺纹
- 采用两片式球阀结构，操作方便，开闭迅速
- 采用PTFE材质密封，具有良好的密封效果
- 阀体为不锈钢304材质
- 最大对应口径DN50



不锈钢三片式丝扣球阀

- 采用卡箍连接方式
- 采用三片式球阀结构，操作方便，阀门维修方便
- 采用PTFE材质密封，具有良好的密封效果
- 阀体为不锈钢304材质





## AVK RESILIENT SEAT GATE VALVE, FLANGED, PN10/16

02/20-021

1.4104/1.4021 stem, brass nut, A2 bolts, CTC, blue EP to GSK coating

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple stem seal system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

### Product description:

Flanged gate valve for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 1074 part 1 & 2
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

### Test/Approvals:

- Seat: 1.1×PN(in Bar), Body: 1.5×PN(in Bar). Operation torque test
- Approved according to ACS Certificate 18 ACC NY 369

### Features:

- Fixed, integral wedge nut prevents vibration and ensures durability.
- The ductile iron core is fully vulcanized with drinking water approved EPDM rubber, no iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber.
- Guides in the wedge and on the valve body ensure a uniform closure, safe operation and prevent overloading of the stem.
- The wedge has a large through bore with room for the stem, completely free of hollows or cavities where stagnant water or impurities could collect and cause contamination.
- Stainless steel stem with wedge stop and rolled threads for high strength.
- Full circle brass thrust collar provides fixation of the stem and low free running torque.
- Triple stem seal system with an NBR wiper ring protecting against impurities from outside, a polyamide radial bearing with four NBR O-rings and innermost an EPDM rubber lip seal as the main hydraulic seal to the flow.
- Round bonnet gasket fixed in a recess groove in the bonnet preventing it from being blown out by pressure surges.
- Counterbored and hot-melt sealed bonnet bolts encircled by the bonnet gasket ensures no risk of corrosion.
- Full bore.
- Epoxy coating to DIN 30677-2, GSK approved.

### Accessories:

Stem cap, handwheel, extension spindle, street cover, flange adaptor and combi-flange

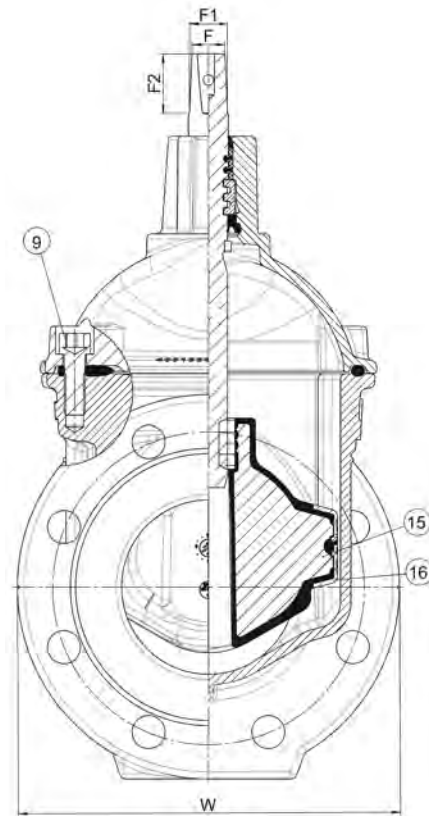
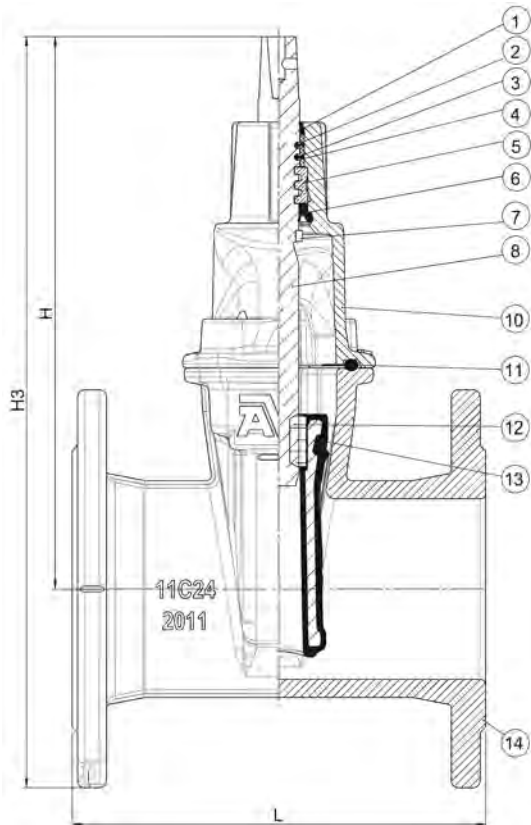


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**AVK RESILIENT SEAT GATE VALVE, FLANGED, PN10/16**

02/20-021

1.4104/1.4021 stem, brass nut, A2 bolts, CTC, blue EP to GSK coating



**Component list:**

1. Wiper ring	NBR rubber	9. Bonnet bolt	Stainless steel A2
2. O-ring	NBR rubber	10. Bonnet	Ductile iron GJS-500-7 (GGG-50)
3. O-ring	NBR rubber	11. Bonnet gasket	EPDM rubber
4. Bushing	Polyamide	12. Wedge nut	Brass, DZR CW626N
5. Thrust collar	Brass, DZR CW602N (CZ132)	13. Wedge rubber	EPDM rubber
6. Manchette	EPDM rubber	14. Body	Ductile iron GJS-500-7 (GGG-50)
7. Stop ring	Stainless steel	15. Wedge core	Ductile iron GJS-500-7 (GGG-50)
8. Stem	Stainless steel 1.4104/1.4021	16. Wedge shoe	Polyamide

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H	H3	F	F1	F2	W	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	mm	mm	mm	
02-050-20-014649	50	PN10/16	178	208	290	14	17	29	165	10
02-065-20-014649	65	PN10/16	190	245	337	17	20	34	185	12
02-080-20-014649	80	PN10/16	203	282	382	17	20	34	200	15
02-100-20-014649	100	PN10/16	229	305	415	19	22	34	220	17
02-125-20-014649	125	PN10/16	254	346	471	19	22	34	250	23
02-150-20-014649	150	PN10/16	267	401	543	19	22	34	285	32
02-200-20-004649	200	PN10	292	490	660	24	27	34	340	51
02-200-20-014649	200	PN16	292	490	660	24	27	34	340	51
02-250-20-004649	250	PN10	330	625	825	27	31	47	422	85
02-250-20-014649	250	PN16	330	625	825	27	31	47	422	82
02-300-20-004647	300	PN10	356	707	934	27	31	47	455	118
02-300-20-014647	300	PN16	356	707	934	27	31	47	455	118
02-350-20-004647	350	PN10	381	924	1177	32	37	55	564	182
02-350-20-014647	350	PN16	381	924	1191	32	37	55	564	214
02-400-20-004647	400	PN10	406	951	1234	32	37	55	565	192
02-400-20-014647	400	PN16	406	951	1241	32	37	55	580	221



## AVK GATE VALVE, FLANGED, PN10/16

21/36-104

Ductile iron, EN1092. A2 bolts, handwheel, EPDM wedge rubber, handweel, GSK coating

The AVK series 21 are flanged, resilient seat gate valves with replaceable stem seal designed to the heavy duty BS5163 Type B standard for use in systems with water, sewage, or other neutral liquids.

### Product description:

Resilient seat gate valve for water and waste water. Temperature range: -10° C to +70° C. 10% solid matter.

### Design standards:

- BS5163 Type B, EN 1074 part 1 & 2
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to EN1092, PN10/16

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Seat: 1.1 x PN. Body: 1.5 x PN.
- WRAS approved to max. 50°C

### Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Stem seal replaceable under pressure
- The ductile iron core is fully vulcanized with drinking water approved EPDM rubber, no iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber
- The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities cannot collect and cause contamination
- Stainless steel stem with rolled threads for high strength
- Full circle brass thrust collar provides fixation of the stem and low free running torques
- Double stem seal: a replaceable polyamide bearing with two O-rings and an O-ring on the stem
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges
- Bonnet bolts encircled by the bonnet gasket to protect against contact with the fluid and against corrosion
- Fusion bonded epoxy coating acc. to GSK, blue RAL 5017
- Bonnet and gland bolts sealed with hot-melt for protection against corrosion
- Handweel

### Accessories:

Flange adaptors and dismantling joints



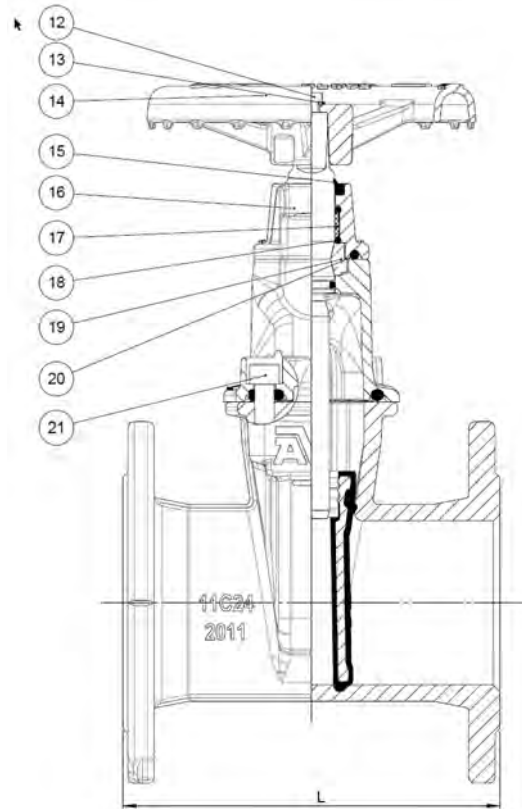
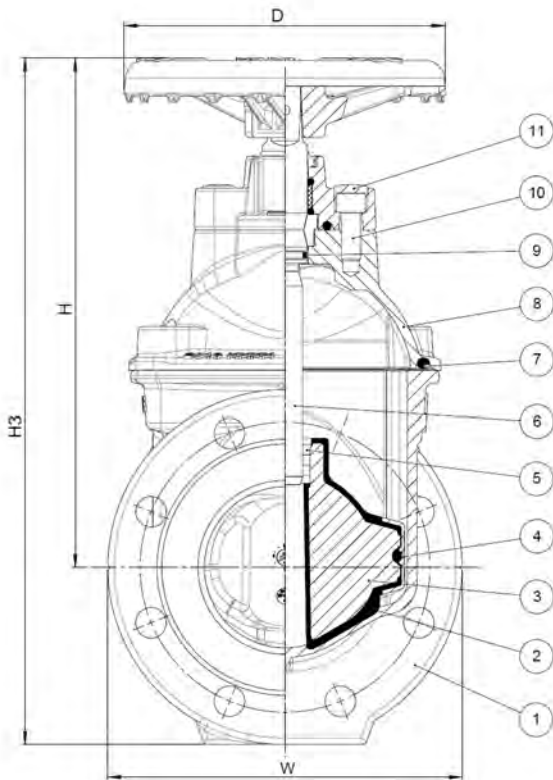
Expect... **AVR**



**AVK GATE VALVE, FLANGED, PN10/16**

**21/36-104**

Ductile iron, EN1092. A2 bolts, handwheel, EPDM wedge rubber, handweel, GSK coating



**Component list:**

1. Body	Ductile iron GJS-500-7 (GGG-50)	12. Screw	Stainless steel A2
2. Wedge rubber	EPDM rubber	13. Washer	Stainless steel A2
3. Wedge core	Ductile iron GJS-500-7 (GGG-50)	14. Handwheel	Grey iron
4. Wedge shoe	Polyamide	15. Wiper ring	Rubber
5. Wedge nut	Brass DZR CW626N	16. Gland flange	Ductile iron GJS-500-7
6. Stem	Stainless steel 1.4021 (420)	17. Bearing	Steel
7. Bonnet gasket	EPDM rubber	18. O-ring	Rubber
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	19. Thrust collar	Brass
9. O-ring	EPDM rubber	20. O-ring	EPDM rubber
10. Bolt	Stainless steel A2	21. Bolt	Stainless steel A2
11. Cover	Hot melt glue		

Components may be substituted with equivalent or higher class materials without prior notification.

**AVK GATE VALVE, FLANGED, PN10/16**

**21/36-104**

Ductile iron, EN1092. A2 bolts, handwheel, EPDM wedge rubber, handweel, GSK coating

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	W mm	H mm	H3 mm	D mm	Theoretical weight/kg	Turns to open
21-050-36-41420641	50	PN10/16	178	173	284	367	200	14	5
21-065-36-41420641	65	PN10/16	190	185	285	379	200	16	7
21-080-36-41420641	80	PN10/16	203	200	293	393	200	17	8
21-100-36-41420641	100	PN10/16	229	220	314	424	200	19	9
21-150-36-41420641	150	PN10/16	267	285	404	547	240	33	14
21-200-36-40420641	200	PN10	292	340	491	661	240	52	18
21-200-36-41420641	200	PN16	292	340	491	661	240	52	18
21-250-36-40420641	250	PN10	330	422	609	809	500	85	22
21-250-36-41420641	250	PN16	330	422	609	809	500	85	22
21-300-36-40420641	300	PN10	356	455	692	920	500	115	26
21-300-36-41420641	300	PN16	356	455	692	920	500	117	26
21-350-36-40420641	350	PN10	381	564	843	1110	640	176	31
21-350-36-41420641	350	PN16	381	564	843	1110	640	189	31
21-400-36-40420641	400	PN10	406	580	870	1160	640	186	35
21-400-36-41420641	400	PN16	406	580	870	1160	640	212	35



## AVK RESILIENT SEATED GATE VALVE, PN25, CTC

21/60-004

DN50-400, WRAS approved rubber, stainless steel stem, zinc plated bolts

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

### Product description:

Flanged gate valve to BS EN 1074-2 / BS 5163 for drinking water, waste water or other neutral liquids to max. 70°C

### Standards:

- Designed according to EN 1074-2 Annex B (BS5163/Type B)
- Face-to-face dimension according to EN 558 table 2 Basic Series 3
- Flange drilling EN1092-2 (ISO 7005-2), PN 25

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test
- Approved according to ACS-France
- Approved according to WRAS

### Features:

- Fixed, integral wedge nut prevents vibration and ensures durability.
- The ductile iron core is fully vulcanized with drinking water approved EPDM rubber, no iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber.
- Guides in the wedge and on the valve body ensure a uniform closure, safe operation ensured as the guides prevent overloading of the stem.
- The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities can not collect and cause contamination.
- Stainless steel stem with rolled threads for high strength.
- Full circle brass thrust collar provides fixation of the stem and low free running torques.
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with two EPDM O-rings, and another EPDM O-ring on stem, which prevents leakage when replace stem seals under pressure.
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges.
- Countersunk and sealed bonnet bolts encircled by the bonnet gasket, thus there is no risk of corrosion.
- Full bore.
- Blue fusion bonded epoxy coating.

### Accessories:

Stem cap, handwheel, extension spindle, street cover, flange adaptor and combi-flange

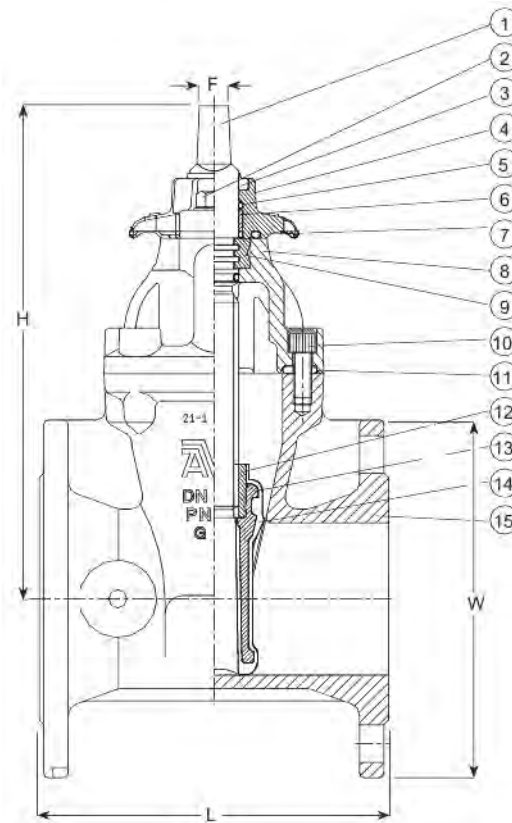


Expect... **AVK**



**AVK RESILIENT SEATED GATE VALVE, PN25, CTC**  
**DN50-400, WRAS approved rubber, stainless steel stem, zinc plated bolts**

**21/60-004**



**Component list:**

1. Stem	Stainless steel	9. Thrust collar	Brass, DZR CW602N
2. Gland flange bolt	Steel gr. 8.8, zinc plated	10. Bonnet bolt	Steel gr. 8.8, zinc plated
3. Wiper ring	NBR rubber	11. Bonnet gasket	EPDM rubber
4. Gland flange	Ductile iron GJS-500-7 (GGG-50)	12. Wedge nut	Brass, DZR
5. O-ring	NBR rubber	13. Wedge core	Ductile iron
6. Stem seal bushing	Polyamide	14. Wedge rubber	EPDM rubber
7. O-ring	NBR rubber	15. Body	Ductile iron GJS-500-7 (GGG-50)
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)		

Components may be substituted with equivalent or higher class materials without prior notification.  
 Component list item '10' : DN300 is grade 12.9

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H mm	W mm	F mm	Theoretical weight / kg
21-050-60-074	50	PN25	178	279	165	19	17
21-065-60-074	65	PN25	190	288	185	19	18
21-080-60-074	80	PN25	203	294	200	19	18
21-100-60-074	100	PN25	229	324	235	19	29
21-150-60-074	150	PN25	267	429	300	24	51
21-200-60-074	200	PN25	292	531	360	27	81
21-250-60-074	250	PN25	330	614	425	27	140
21-300-60-074	300	PN25	356	690	485	27	188
21-350-60-074	350	PN25	381	879	573	32	296
21-400-60-074	400	PN25	406	867	620	32	320



**AVK FLANGED GATE VALVE, PN 10/16, CTC**  
**DN50-400, EPDM rubber, 420 stem, A2 bolts**

**9002/20-V02**

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

**Product description:**

Flanged gate valve for drinking water and neutral liquids to max. 70°C

**Standards:**

- Designed according to EN 1074 part 1 & 2
- Face to face according to EN 558 Table 2 Basic Series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

**Features:**

- Fixed, integral wedge nut prevents vibration and ensures durability.
- The ductile iron core is fully vulcanized with EPDM rubber, no iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber.
- Guides in the wedge and on the valve body ensure a uniform closure, safe operation ensured as the guides prevent overloading of the stem.
- The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities can't collect and cause contamination.
- Stainless steel stem with rolled threads for high strength.
- Full circle brass thrust collar provides fixation of the stem and low free running torques.
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings, and an EPDM rubber manchette which acts as the main hydraulic seal to the flow.
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges.
- Countersunk and sealed bonnet bolts encircled by the bonnet gasket, thus there is no risk of corrosion.
- Full bore.
- Epoxy coating on both external and internal surfaces, RAL 7011 grey

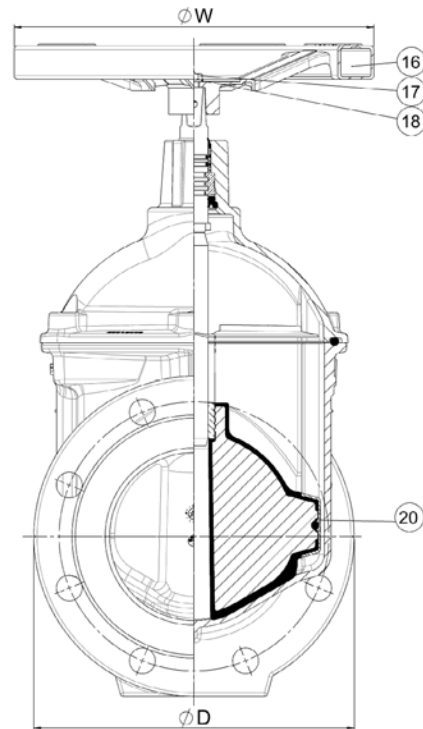
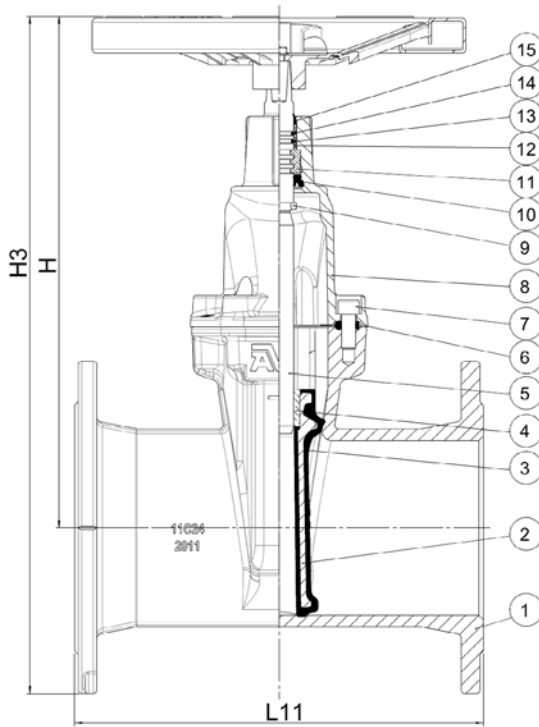
**Accessories:**

Stem cap, handwheel, extension spindle, street cover, flange adaptor and combi-flange



**AVK FLANGED GATE VALVE, PN 10/16, CTC**  
**DN50-400, EPDM rubber, 420 stem, A2 bolts**

**9002/20-V02**



**Component list:**

1. Body	Ductile iron GJS-500-7 (GGG-50)	11. Thrust collar	Brass DZR CW602N
2. Wedge core	Ductile iron GJS-500-7 (GGG-50)	12. Bushing	Polyamide
3. Wedge rubber	EPDM rubber	13. O-ring	NBR rubber
4. Wedge nut	Brass DZR CW602N (CZ132)	14. O-ring	NBR rubber
5. Stem	Stainless steel 1.4021 (420)	15. Wiper ring	NBR rubber
6. Bonnet gasket	EPDM rubber	16. Handwheel	Steel
7. Bonnet bolt	Stainless steel A2	17. Bolt	Stainless steel A2
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	18. Washer	Stainless steel A2
9. Stop ring	Stainless steel	19. Circlip ring	Steel
10. Manchette	EPDM rubber	20. Wedge shoe	Polyamide

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H	H3	W	D	Theoretical weight / kg
	mm	drilling	mm	mm	mm	mm	mm	
9002-050-20-0113621	50	PN10/16	178	235	318	180	165	10
9002-065-20-0113621	65	PN10/16	190	272	364	220	185	12
9002-080-20-0113621	80	PN10/16	203	309	409	220	200	15
9002-100-20-0113621	100	PN10/16	229	342	452	280	220	18
9002-125-20-0113621	125	PN10/16	254	385	510	320	250	23
9002-150-20-0113621	150	PN10/16	267	439	581	320	285	32
9002-200-20-0013621	200	PN10	292	530	700	350	340	51
9002-200-20-0113621	200	PN16	292	530	700	350	340	51
9002-250-20-0013621	250	PN10	330	678	878	500	422	83
9002-250-20-0113621	250	PN16	330	678	878	500	422	83
9002-300-20-0013621	300	PN10	356	759	987	500	455	115
9002-300-20-0113621	300	PN16	356	759	987	500	455	115
9002-350-20-0013621	350	PN10	381	948	1208	640	564	209
9002-350-20-0113621	350	PN16	381	948	1208	640	564	211
9002-400-20-0013621	400	PN10	406	975	1265	640	565	228
9002-400-20-0113621	400	PN16	406	975	1265	640	580	225





**AVK GATE VALVE, FLANGED, OS&Y, BS STD, PN 10/16**  
**EN 1092 flange, cast 1.4308, act. flange, A2 bolts, hand wheel, grey**

**21/34-V01**

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The double safety stuffing box sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

**Product description:**

Flanged gate valve with rising stem for drinking water and neutral liquids to max. 70°C

**Standards:**

- Designed according to EN 1074 part 1 & 2
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to EN1092, PN10/16

**Test/Approvals:**

- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test

**Features:**

- Stainless steel body
- Wedge core fully vulcanized with drinking water approved EPDM rubber in a sophisticated process that eliminates creeping corrosion underneath the rubber
- Wedge shoes in PA and guide rails on the body make the wedge slide easily up and down regardless of differential pressure
- Outside yoke and rising stem for clear indication of valve status at a distance
- Stuffing box for re-tightening with three main O-rings and an NBR O-rings in a polyamide gland bushing
- Thrust bearing consisting of an alu-bronze stem nut between stainless steel washers
- Handwheel and actuator flange
- Stainless steel stem with wedge stop and rolled threads for high strength
- Bonnet gasket in EPDM with a circular cross-section, fixed in a recess to avoid blow-out
- Counterbored A2 bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket

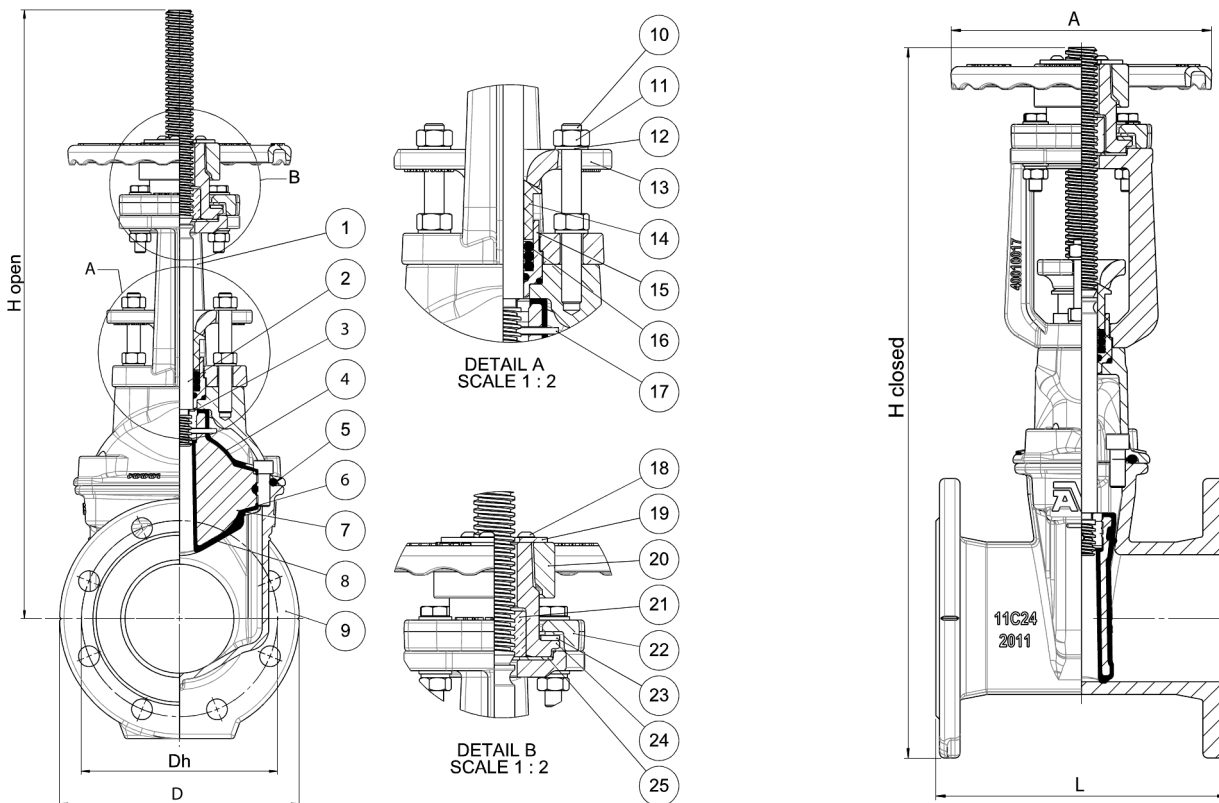
**Accessories:**

Actuator, flange adaptor and combi-flange



**AVK GATE VALVE, FLANGED, OS&Y, BS STD, PN 10/16**  
**EN 1092 flange, cast 1.4308, act. flange, A2 bolts, hand wheel, grey**

**21/34-V01**



**Component list:**

1. Yoke	Stainless steel 1.4308	14. Gland	PA 6.6
2. Stem	Stainless steel 1.4021	15. Bushing	PA 6.6
3. Wedge nut	Brass DZR CW626N	16. Stem seal	NBR rubber
4. Bonnet	Stainless steel 1.4308	17. Pin	Stainless steel A4
5. Bonnet gasket	EPDM rubber	18. Bolt	Stainless steel A4
6. Wedge shoe	PA 6.6	19. Washer	Stainless steel 1.4021
7. Wedge body	Ductile iron GJS-500-7 (GGG-50)	20. Handwheel	Ductile iron GJS-500-7 (GGG-50)
8. Wedge rubber	EPDM rubber	21. Stem nut	Alu-bronze CC331G
9. Body	Stainless steel 1.4308	22. Bracket	Ductile iron GJS-500-7 (GGG-50)
10. Bolt	Stainless steel A2	23. Thrust washer	Stainless steel 1.4021
11. Nut	Stainless steel A2	24. Handwheel hub	Ductile iron GJS-500-7 (GGG-50)
12. Washer	Stainless steel A2	25. Thrust washer	Stainless steel 1.4021
13. Gland follower	Ductile iron GJS-500-7 (GGG-50)		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H open mm	H closed mm	A mm	D mm	Dh mm	Theoretical weight/kg
21-050-XX-41430XX	50	PN10/16	178	400	332	205	165	125	14
21-065-XX-41430XX	65	PN10/16	190	442	368	205	185	145	16
21-080-XX-41430XX	80	PN10/16	203	527	437	205	200	160	21
21-100-XX-41430XX	100	PN10/16	229	560	450	205	220	180	24
21-125-XX-41430XX	125	PN10/16	254	634	498	280	250	210	31
21-150-XX-41430XX	150	PN10/16	267	743	588	280	285	240	41
21-200-XX-40430XX	200	PN10	292	965	757	330	340	295	66
21-200-XX-41430XX	200	PN16	292	965	757	330	340	295	66
21-250-XX-40430XX	250	PN10	330	1152	895	410	422	350	100
21-250-XX-41430XX	250	PN16	330	1152	895	410	422	355	100
21-300-XX-40430XX	300	PN10	356	1346	1041	410	452	400	135

**AVK GATE VALVE, FLANGED, OS&Y, BS STD, PN 10/16**  
**EN 1092 flange, cast 1.4308, act. flange, A2 bolts, hand wheel, grey**

**21/34-V01**

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H open	H closed	A	D	Dh	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	mm	mm	
21-300-XX-41430XX	300	PN16	356	1346	1041	410	452	410	135
21-350-XX-40430XX	350	PN10	381	1689	1307	600	564	460	203
21-350-XX-41430XX	350	PN16	381	1689	1307	600	564	470	233
21-400-XX-40430XX	400	PN10	406	1716	1308	600	565	515	214
21-400-XX-41430XX	400	PN16	406	1716	1308	600	565	525	239





**AVK GATE VALVE, FLANGED, OS&Y, BS STD, PN 10/16**  
**EN 1092 flange, ductile iron, A2 bolts, hand wheel, blue**

**21/44-001**

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The double safety stuffing box sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

**Product description:**

Flanged gate valve with rising stem for drinking water and neutral liquids to max. 70°C

**Standards:**

- Designed according to EN 1074 part 1 & 2
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to EN1092, PN10/16

**Test/Approvals:**

- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test

**Features:**

- Wedge core fully vulcanized with drinking water approved EPDM rubber in a sophisticated process that eliminates creeping corrosion underneath the rubber
- Wedge shoes in PA and guide rails on the body make the wedge slide easily up and down regardless of differential pressure
- Outside yoke and rising stem for clear indication of valve status at a distance
- Stuffing box for re-tightening with three main O-rings and an NBR O-rings in a polyamide gland bushing
- Stainless steel stem with wedge stop and rolled threads for high strength
- Bonnet gasket in EPDM with a circular cross-section, fixed in a recess to avoid blow-out
- Counterbored A2 bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket
- Fusion bonded epoxy coating

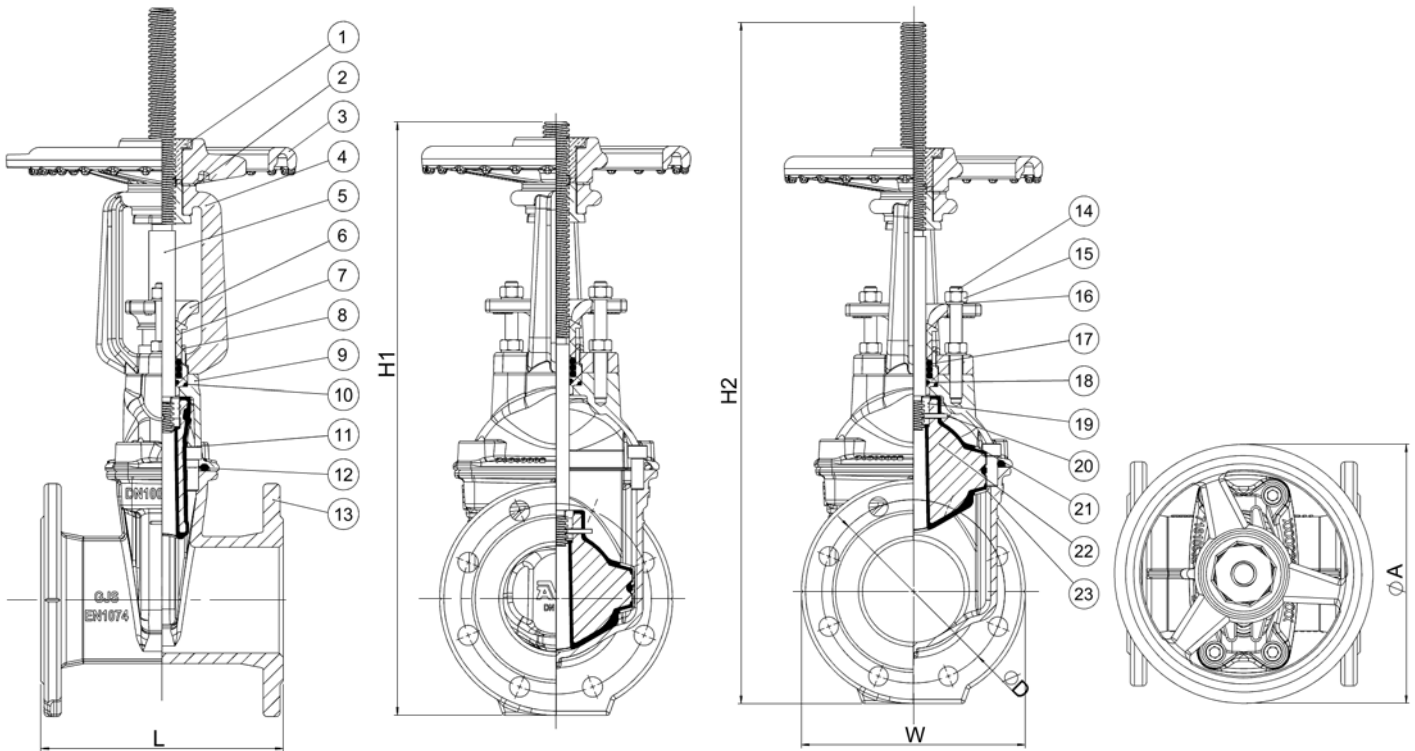
**Accessories:**

Handwheel



**AVK GATE VALVE, FLANGED, OS&Y, BS STD, PN 10/16**  
**EN 1092 flange, ductile iron, A2 bolts, hand wheel, blue**

21/44-001



**Component list:**

1. Stem nut	Brass DZR CW602N (CZ132)	13. Body	Ductile iron GJS-500-7
2. Washer	Bronze LG2/C83600	14. Bolt	Stainless steel A2
3. Handwheel	Ductile iron GJS-500-7	15. Nut	Stainless steel A2
4. Yoke	Ductile iron GJS-500-7	16. Washer	Stainless steel A2
5. Stem	Stainless steel 1.4021	17. O-ring	SBR rubber
6. Gland follower	Ductile iron GJS-500-7	18. O-ring	NBR rubber
7. Gland	PA 6.6	19. Wedge nut	Brass DZR CW626N
8. Bushing	PA 6.6	20. Pin	Stainless steel A2
9. Bonnet	Ductile iron GJS-500-7	21. Wedge shoe	Plastic
10. O-ring	NBR rubber	22. Wedge body	Ductile iron GJS-500-7
11. Bolt	Stainless steel A2	23. Wedge rubber	EPDM rubber
12. Bonnet gasket	EPDM rubber		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H1	H2	W	D	A	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	mm	mm	
21-050-44-4143064	50	PN10/16	178	416	482	165	125	180	16
21-065-44-4143064	65	PN10/16	190	441	514	185	145	180	17
21-080-44-4143064	80	PN10/16	203	502	592	200	160	180	22
21-100-44-4143064	100	PN10/16	229	565	673	220	180	254	26
21-125-44-4143064	125	PN10/16	254	641	773	250	210	254	31
21-150-44-4143064	150	PN10/16	267	733	895	285	240	305	47
21-200-44-4143064	200	PN16	292	917	1123	340	295	356	75
21-250-44-4143064	250	PN16	330	1095	1352	422	355	432	116
21-300-44-4143064	300	PN16	356	1267	1572	452	410	432	142
21-350-44-4143064	350	PN16	381	1650	2005	564	470	640	249
21-400-44-4143064	400	PN16	406	1649	2055	580	525	640	254



**AVK FLANGED GATE VALVE OS&Y, PN25, CTC**  
**DN50-400, BS5163, 1.4021 rising stem and handwheel**

**21/66-001**

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple safety stuffing box sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

**Product description:**

Flanged gate valve with rising stem for drinking water and neutral liquids to max. 70°C

**Standards:**

- Designed according to EN 1074-2 Annex B (BS5163/Type B)
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling EN1092-2 (ISO 7005-2), PN 25

**Test/Approvals:**

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test
- Approved according to ACS-France
- Approved according to WRAS

**Features:**

- Fixed, integral wedge nut prevents vibration and ensures durability
- The ductile iron core is fully vulcanized with drinking water approved EPDM rubber, no iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber
- Guides in the wedge and on the valve body ensure a uniform closure, safe operation ensure as the guides prevent overloading of the stem
- The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities can't collect and cause contamination
- Stainless steel stem with wedge stop and rolled threads for high strength
- Stuffing box for re-tightening with three main O-rings, and two NBR O-rings in a polyamide gland bushing
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges
- Countersunk and sealed bonnet bolts encircled by the bonnet gasket, thus there is no risk of corrosion
- Full bore
- Epoxy coating to DIN 30677-2, GSK approved

**Accessories:**

Flange adaptor and combi-flange



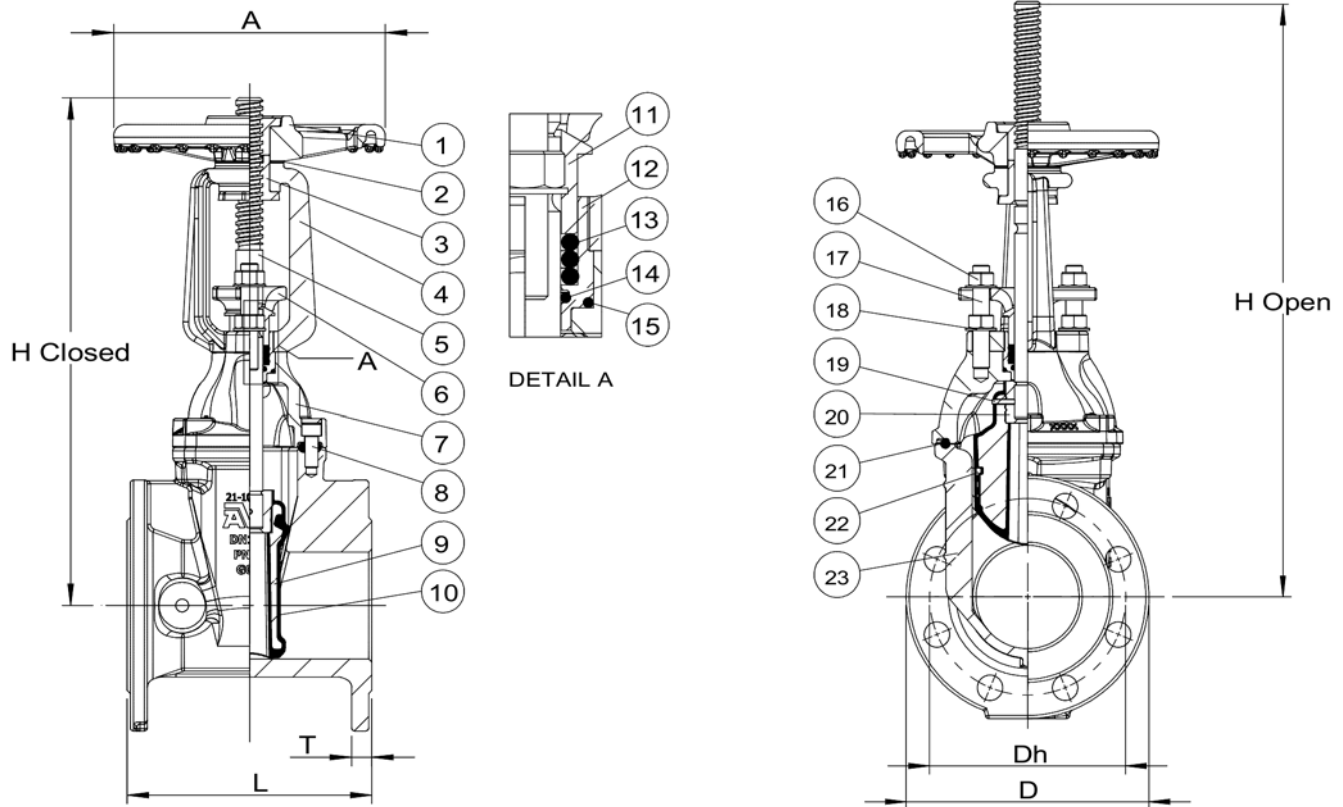
DN50-300

DN350-400



**AVK FLANGED GATE VALVE OS&Y, PN25, CTC**  
**DN50-400, BS5163, 1.4021 rising stem and handwheel**

21/66-001



**Component list:**

1. Handwheel	Grey iron	13. Stem seal	EPDM rubber
2. Anti-friction washer	Brass, DZR	14. O-ring	EPDM rubber
3. Stem nut	Brass, DZR	15. O-ring	EPDM rubber
4. Yoke	Ductile iron GJS-500-7 (GGG-50)	16. Nut	Steel gr. 8.8, zinc plated
5. Stem	Stainless steel 1.4021	17. Stud bolt	Steel gr. 8.8, zinc plated
6. Gland follower	Ductile iron GJS-500-7 (GGG-50)	18. Washer	Steel gr. 8.8, zinc plated
7. Bonnet	Ductile iron GJS-500-7 (GGG-50)	19. Pin	Stainless steel A2
8. Bolt	Steel gr. 8.8, zinc plated	20. Wedge nut	Brass, DZR CW602N (CZ132)
9. Wedge	Ductile iron GJS-500-7 (GGG-50)	21. Bonnet gasket	EPDM rubber
10. Wedge rubber	EPDM rubber	22. Slide guide	Polyamide
11. Gland	PA 6.6	23. Body	Ductile iron GJS-500-7 (GGG-50)
12. Bushing	PA 6.6		

Components may be substituted with equivalent or higher class materials without prior notification.  
 • Item 9 material is ductile iron GJS-600-3 (GGG-60) when DN350&400

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	HO	HC	A	L	D	Dh	T	Turns	Theoretical
	mm	drilling	mm	mm	mm	mm	mm	mm	mm	to open	weight / kg
21-050-66-074	50	PN25	419	368	180	178	165	125	19	13	19
21-065-66-074	65	PN25	453	385	180	190	185	145	19	17	23
21-080-66-074	80	PN25	480	440	180	203	200	160	19	20	25
21-100-66-074	100	PN25	575	475	254	229	235	190	23	20	39
21-150-66-074	150	PN25	783	633	305	267	300	250	28	30	63
21-200-66-074	200	PN25	990	791	356	292	360	310	28	33	97
21-250-66-074	250	PN25	1206	922	432	330	425	370	25	47	155
21-300-66-074	300	PN25	1375	1052	432	356	485	430	28	46	203
21-400-66-074	400	PN25	1800	1365	640	406	620	550	32	62	305





**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16/TBL D** **76/70-V02**  
**Loose EPDM liner, cast 1.4308 disc, SS420 shaft square end, A2 bolts, aluminum lever**

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

**Product description:**

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092, PN6/10/16, AS2129 TabD/E, ASME B16.1 CL150

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Ductile iron body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite; thrust bearing in polyacetal (POM)
- Shaft in stainless steel 1.4021/AISI 420
- Disc in cast stainless steel, 1.4308/CF8 (AISI 304).
- Slim disc design with internal hexagon for drive shaft connection
- RAL 7011 epoxy coating

**Accessories:**

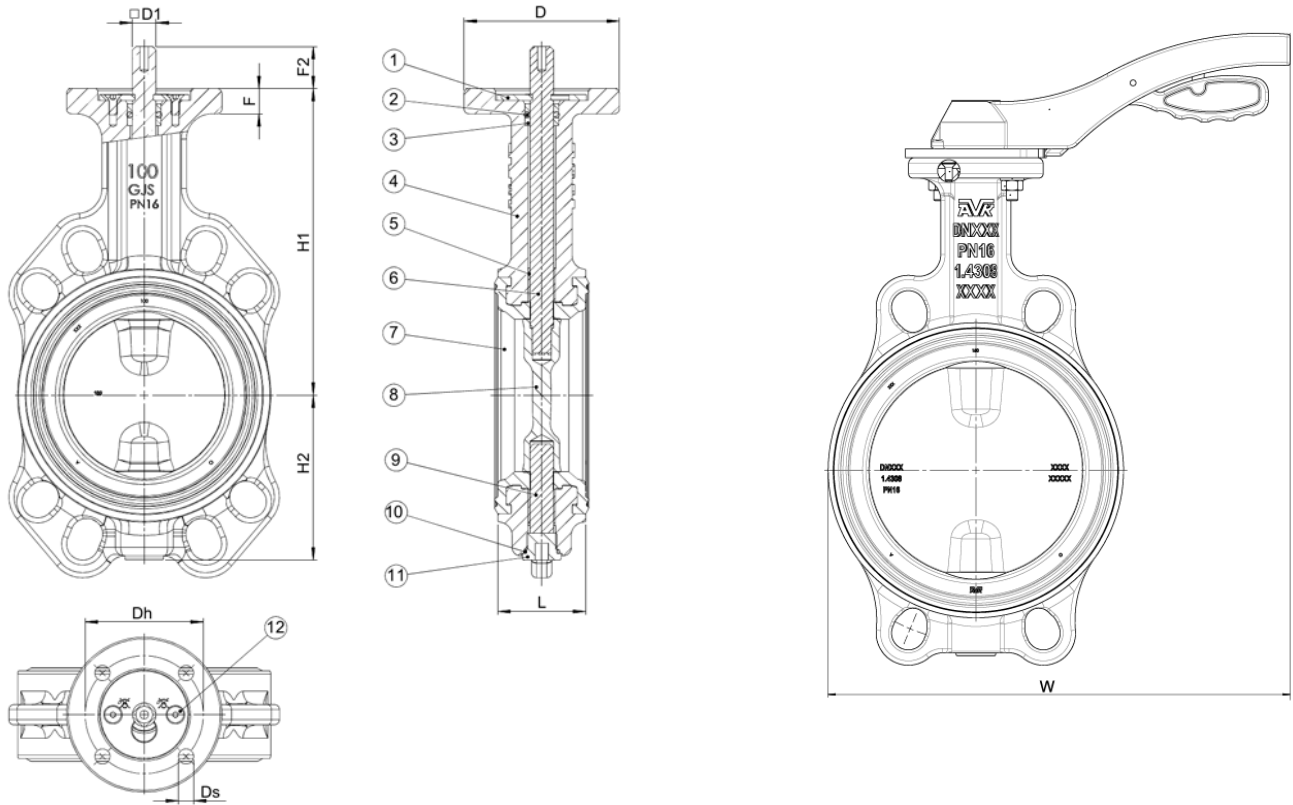
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16/TBL D**

**76/70-V02**

Loose EPDM liner, cast 1.4308 disc, SS420 shaft square end, A2 bolts, aluminum lever



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Ductile iron GJS-500-7 (GGG-50)	10. O-ring	NBR rubber
5. Bearing	Bronze/PTFE composite	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Product	L	F	F2	D	D1	Dh	Ds	H1	H2	W
	mm	PN Class	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
76-0050-70-817402690505	50	PN16	43	12	12	67	9	50	7	125	65	257
76-0065-70-817402690505	65	PN16	46	12	12	67	9	50	7	150	78	263
76-0080-70-817402690505	80	PN16	46	12	12	67	9	50	7	157	85	267
76-0100-70-817402690505	100	PN16	52	14	17	92	11	70	9	182	98	320
76-0125-70-817402690505	125	PN16	56	14	19	92	14	70	9	201	114	328
76-0150-70-817402690505	150	PN16	56	14	19	92	14	70	9	214	127	490



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16**

**76/XX-V02**

**Loose EPDM liner, cast 1.4308 body/disc, SS420 shaft square end, A2 bolts, aluminum lever**

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

**Product description:**

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092, PN6/10/16, AS2129 TabD/E, ASME B16.1 CL150

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Stainless steel body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite; thrust bearing in polyacetal (POM)
- Shaft in stainless steel 1.4021/AISI 420
- Disc in cast stainless steel, 1.4308
- Slim disc design with internal hexagon for drive shaft connection
- Hand lever with 10 position notch plate

**Accessories:**

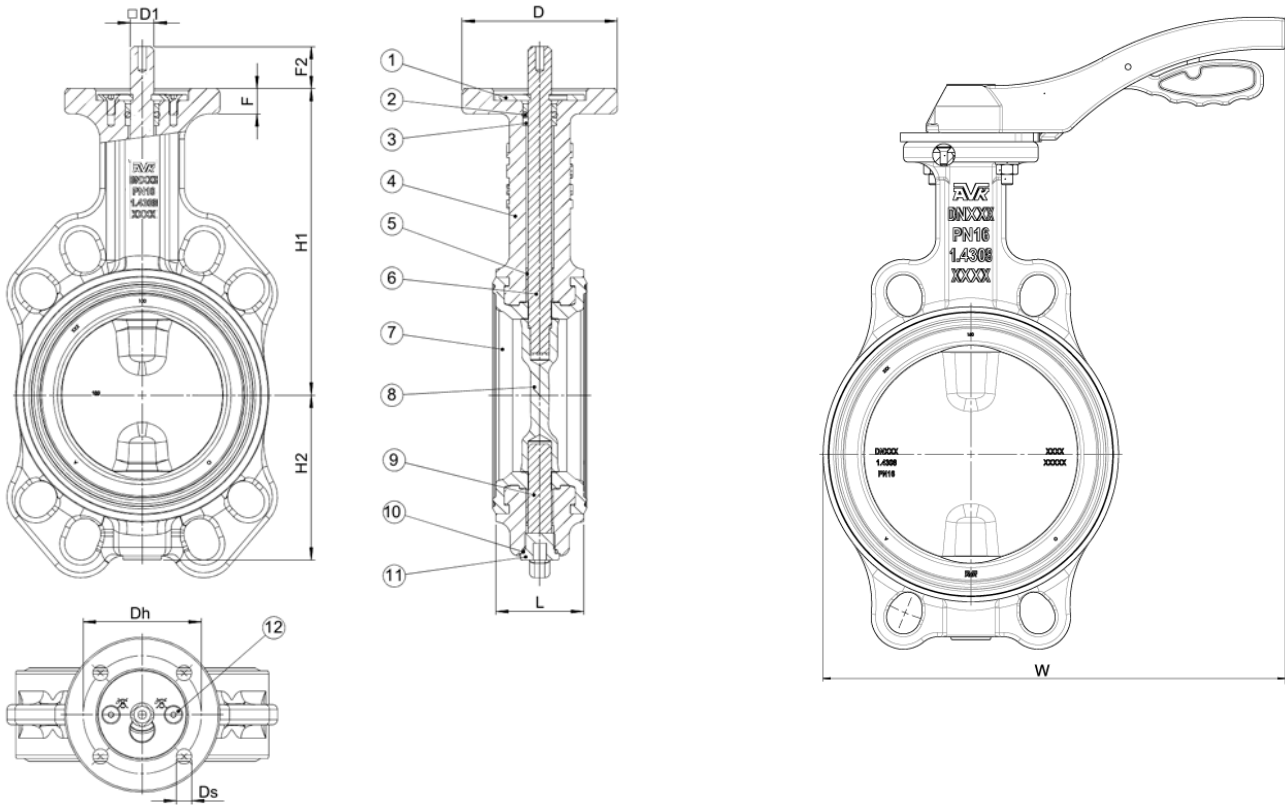
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16/TBL D**

**76/XX-V02**

Loose EPDM liner, cast 1.4308 body/disc, SS420 shaft square end, A2 bolts, aluminum lever



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Stainless steel 1.4308	10. O-ring	NBR rubber
5. Bearing	Bronze/PTFE composite	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

DN	Product	L	F	F2	D	D1	Dh	Ds	H1	H2	W
mm	PN Class	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
50	PN16	43	12	12	67	9	50	7	125	65	257
65	PN16	46	12	12	67	9	50	7	150	78	263
80	PN16	46	12	12	67	9	50	7	157	85	267
100	PN16	52	14	17	92	11	70	9	182	98	320
125	PN16	56	14	19	92	14	70	9	201	114	328
150	PN16	56	14	19	92	14	70	9	214	127	490



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16**

**76/70-007**

**Loose EPDM liner, EP coated DI disc, SS420 shaft square end, A2 bolts, blue EP coating, alu wormgear/PA lever**

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

**Product description:**

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092, PN6/10/16, AS2129 TabD/E, ASME B16.1 CL150

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Ductile iron body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite; thrust bearing in polyacetal (POM)
- Shaft in stainless steel 1.4021/AISI 420
- Disc in epoxy coated ductile iron, GJS-500-7.
- Slim disc design with internal hexagon for drive shaft connection
- DN≤200: Hand lever with 10 position notch plate
- DN>200: Self-locking handwheel operated worm gearbox in aluminium casing on DN>200
- Epoxy coating, blue RAL 5017

**Accessories:**

Gearbox and handwheel, pneumatic actuator, electric actuator

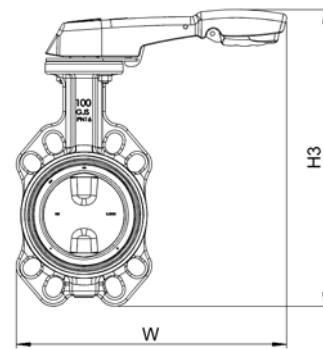
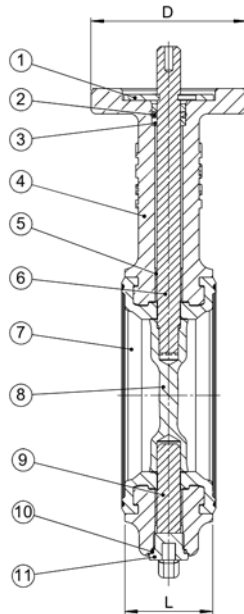
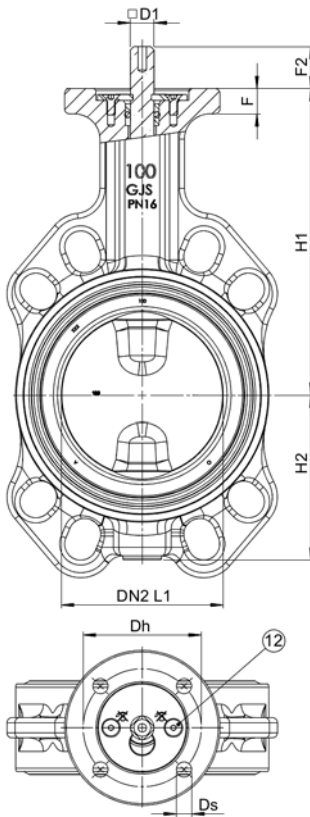




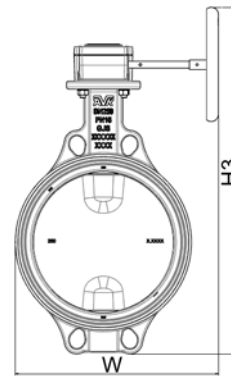
**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16**

**76/70-007**

Loose EPDM liner, EP coated DI disc, SS420 shaft square end, A2 bolts, blue EP coating, alu wormgear/PA lever



DN50-DN200 delivered with lever



DN250-DN300 with wormgear

**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Ductile iron GJS-500-7 (GGG-50)
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Ductile iron GJS-500-7 (GGG-50)	10. O-ring	NBR rubber
5. Bearing	Bronze/PTFE composite	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	L	F	F2	D	D1	Dh	Ds	H1	H2	H3	W	Theoretical weight/kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
76-0050-70-817502690205	50	43	12	12	67	9	50	7	125	65	245	257	2.3
76-0065-70-817502690205	65	46	12	12	67	9	50	7	150	78	292	263	2.9
76-0080-70-817502690205	80	46	12	12	67	9	50	7	157	85	307	267	3.6
76-0100-70-817502690205	100	52	14	17	92	11	70	9	182	98	351	320	6.0
76-0125-70-817502690205	125	56	14	19	92	14	70	9	201	114	384	328	7.0
76-0150-70-817502690205	150	56	14	19	92	14	70	9	214	127	414	490	8.3
76-0200-70-817502690205	200	60	14	23	92	17	70	9	245	158	476	517	13
76-0250-70-817502690203 <sup>(1)</sup>	250	68	14	28	130	22	102	11	283	194	609	357	22
76-0300-70-817502690203 <sup>(1)</sup>	300	78	14	28	130	22	102	11	308	219	676	385	30

(1) Gearbox



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16/TBL D** **76/70-V02**  
**Loose EPDM liner, cast 1.4308 disc, SS420 shaft square end, A2 bolts, aluminum lever**

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

**Product description:**

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092, PN6/10/16, AS2129 TabD/E, ASME B16.1 CL150

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Ductile iron body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite; thrust bearing in polyacetal (POM)
- Shaft in stainless steel 1.4021/AISI 420
- Disc in cast stainless steel, 1.4308/CF8 (AISI 304).
- Slim disc design with internal hexagon for drive shaft connection
- RAL 5017 epoxy coating

**Accessories:**

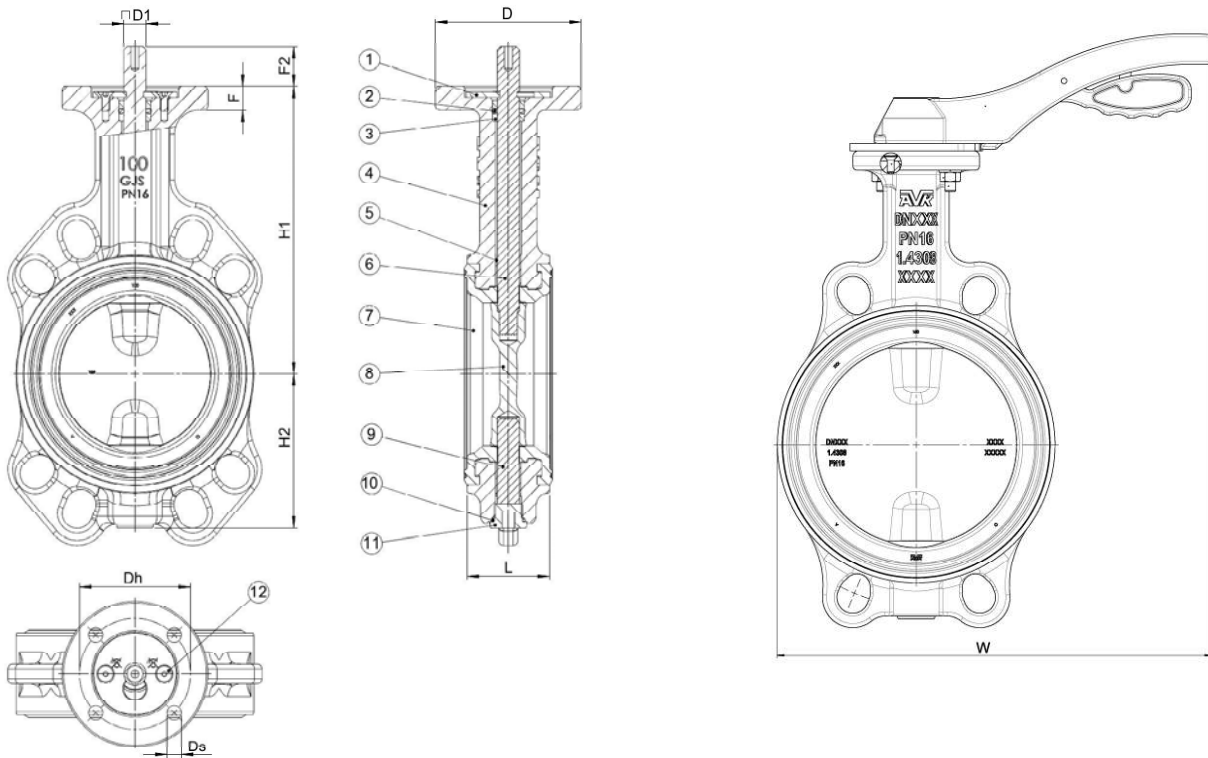
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16/TBL D**

**76/70-V02**

Loose EPDM liner, cast 1.4308 disc, SS420 shaft square end, A2 bolts, aluminum lever



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Ductile iron GJS-500-7 (GGG-50)	10. O-ring	NBR rubber
5. Bearing	Bronze/PTFE composite	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Product PN Class	L mm	F mm	F2 mm	D mm	D1 mm	Dh mm	Ds mm	H1 mm	H2 mm	W mm
76-0050-70-817602690205	50	PN16	43	12	12	67	9	50	7	125	65	257
76-0065-70-817602690205	65	PN16	46	12	12	67	9	50	7	150	78	263
76-0080-70-817602690205	80	PN16	46	12	12	67	9	50	7	157	85	267
76-0100-70-817602690205	100	PN16	52	14	17	92	11	70	9	182	98	320
76-0125-70-817602690205	125	PN16	56	14	19	92	14	70	9	201	114	328
76-0150-70-817602690205	150	PN16	56	14	19	92	14	70	9	214	127	490



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16**

**76/XX-V02**

**Loose EPDM liner, cast 1.4308 body/disc, SS420 shaft square end, A2 bolts, aluminum lever**

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

**Product description:**

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092, PN6/10/16, AS2129 TabD/E, ASME B16.1 CL150

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Stainless steel body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite; thrust bearing in polyacetal (POM)
- Shaft in stainless steel 1.4021/AISI 420
- Disc in cast stainless steel, 1.4308
- Slim disc design with internal hexagon for drive shaft connection
- Hand lever with 10 position notch plate

**Accessories:**

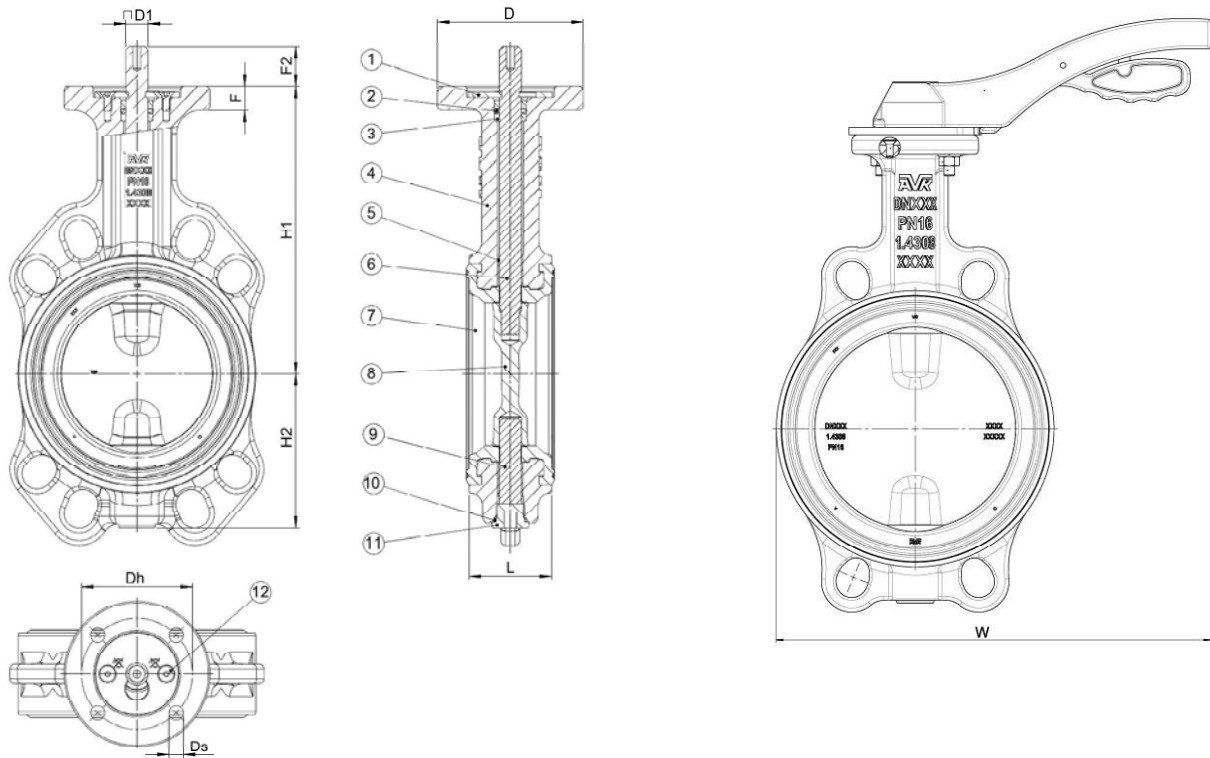
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN16/TBL D**

**76/XX-V02**

Loose EPDM liner, cast 1.4308 body/disc, SS420 shaft square end, A2 bolts, aluminum lever



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Stainless steel 1.4308	10. O-ring	NBR rubber
5. Bearing	Bronze/PTFE composite	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

DN	Product	L	F	F2	D	D1	Dh	Ds	H1	H2	W
mm	PN Class	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
50	PN16	43	12	12	67	9	50	7	125	65	257
65	PN16	46	12	12	67	9	50	7	150	78	263
80	PN16	46	12	12	67	9	50	7	157	85	267
100	PN16	52	14	17	92	11	70	9	182	98	320
125	PN16	56	14	19	92	14	70	9	201	114	328
150	PN16	56	14	19	92	14	70	9	214	127	490





**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN25**

**76/70-V07**

**Loose EPDM liner, EP coated DI disc, SS420 shaft square end, A2 bolts, blue EP coating, AL lever**

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

**Product description:**

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092, PN25

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Ductile iron body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite; thrust bearing in polyacetal (POM)
- Shaft in stainless steel 1.4021/AISI 420
- Disc in epoxy coated ductile iron, GJS-500-7.
- Slim disc design with internal hexagon for drive shaft connection
- Hand lever with 10 position notch plate
- Epoxy coating, blue RAL 5017

**Accessories:**

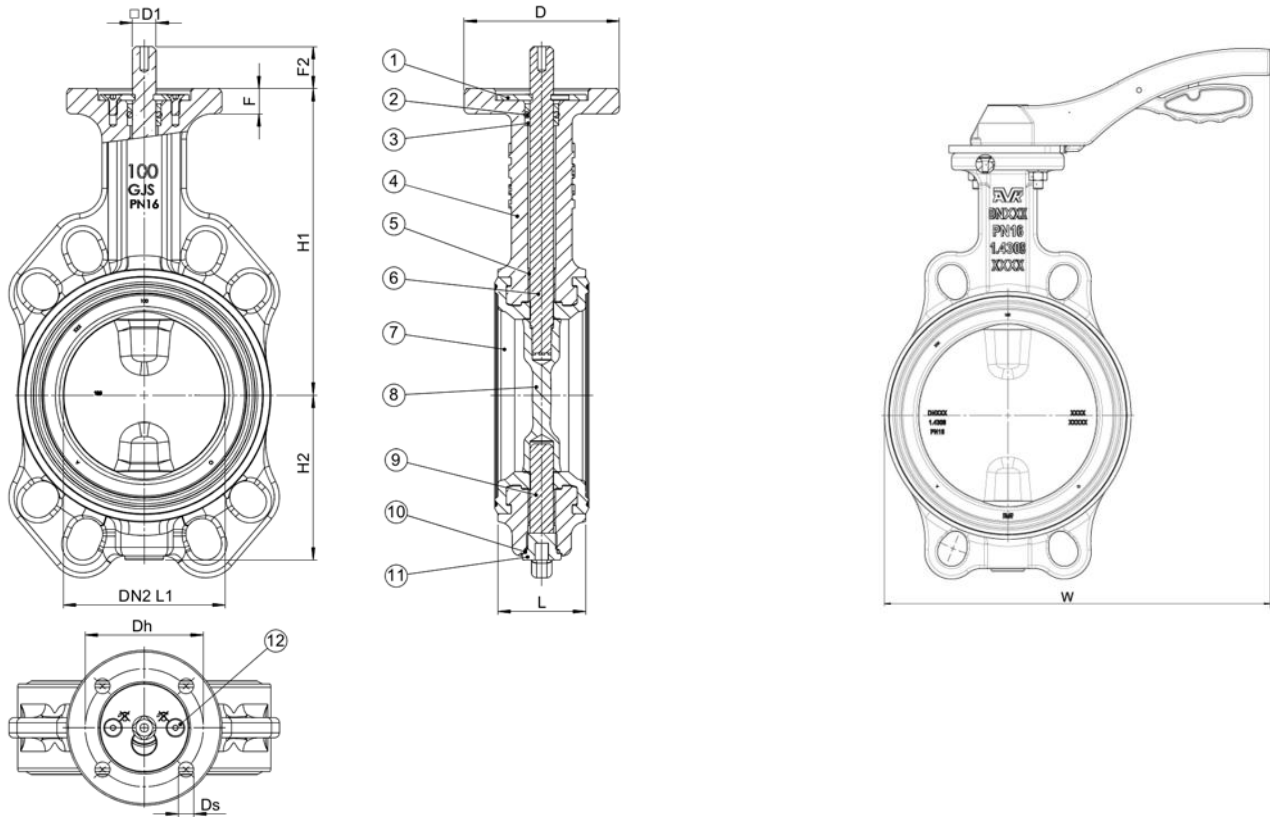
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, WAFER, PN25**

**76/70-V07**

Loose EPDM liner, EP coated DI disc, SS420 shaft square end, A2 bolts, blue EP coating, AL lever



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Ductile iron GJS-500-7 (GGG-50)
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Ductile iron GJS-500-7 (GGG-50)	10. O-ring	NBR rubber
5. Bearing	Bronze/PTFE composite	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	L	F	F2	D	D1	Dh	Ds	H1	H2	W	Theoretical weight/kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
76-0050-70-8175XXX90205	50	43	12	12	67	9	50	7	125	65	257	2.3
76-0065-70-8175XXX90205	65	46	12	12	67	9	50	7	150	78	263	2.9
76-0080-70-8175XXX90205	80	46	12	12	67	9	50	7	157	85	267	3.6
76-0100-70-8175XXX90205	100	52	14	17	92	11	70	9	182	98	320	6.0
76-0125-70-8175XXX90205	125	56	14	19	92	14	70	9	201	114	328	7.0
76-0150-70-8175XXX90205	150	56	14	19	92	14	70	9	214	127	490	8.3



**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN16**  
**FKM liner, cast 1.4308 body/disc , A2 bolts, aluminum/lever, DN 100-125**

**76/XX-V13**

AVK's Series 76 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

**Product description:**

Concentric butterfly valve with loose liner for drinking water and neutral liquids to max. 200 °C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

**Test/Approvals:**

- Hydraulic test according to EN 1074-1 / EN 12266
- WRAS approved materials

**Features:**

- Stainless steel body with long neck for insulation
- Anti-blowout drive shaft design
- Both shafts carried by low friction PTFE coated bearings
- Loose liner of FKMwith reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft
- Slim disc design with internal hexagon for drive shaft connection
- Anti blow-out plate at the top and a plug at the bottom
- Two POM bearings and an EPDM O-ring at the top as backup sealing
- Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 100-125)

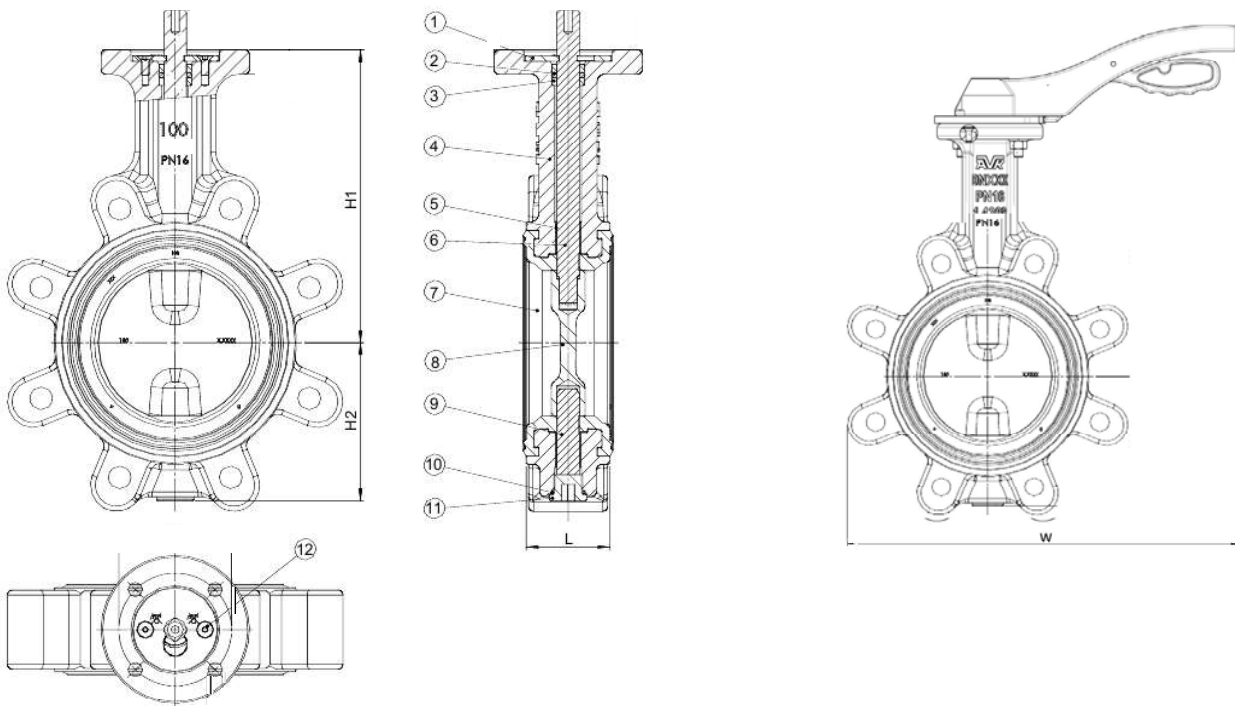
**Accessories:**

Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN16**  
 FKM liner, cast 1.4308 body/disc, A2 bolts, aluminum/lever, DN 100-125

76/XX-V13



**Component list:**

1. Plate	POM	7. Liner	FKM
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Stainless steel 1.4308	10. O-ring	NBR rubber
5. Bearing	Steel, PTFE coated	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

DN mm	Flange drilling	L mm	H1 mm	H2 mm	W mm
100	PN16	52	182	98	360
125	PN16	56	201	114	390



**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN16**

**76/71-V12**

**EPDM rubber, cast 1.4308 disc, square shaft end, A2 bolts, aluminum/cast iron gearbox, DN 200-600**

AVK's Series 76 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

**Product description:**

Concentric butterfly valve with loose liner for drinking water and neutral liquids to max. 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

**Test/Approvals:**

- Hydraulic test according to EN 1074-1 / EN 12266
- WRAS approved materials

**Features:**

- Ductile iron body with long neck for insulation
- Anti-blowout drive shaft design
- Both shafts carried by low friction PTFE coated bearings
- Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft
- Slim disc design with internal hexagon for drive shaft connection
- Anti blow-out plate at the top and a plug at the bottom
- Two POM bearings and an EPDM O-ring at the top as backup sealing
- 80 µm epoxy coating, RAL 7011
- Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 200-600)

**Accessories:**

Gearbox and handwheel, pneumatic actuator, electric actuator

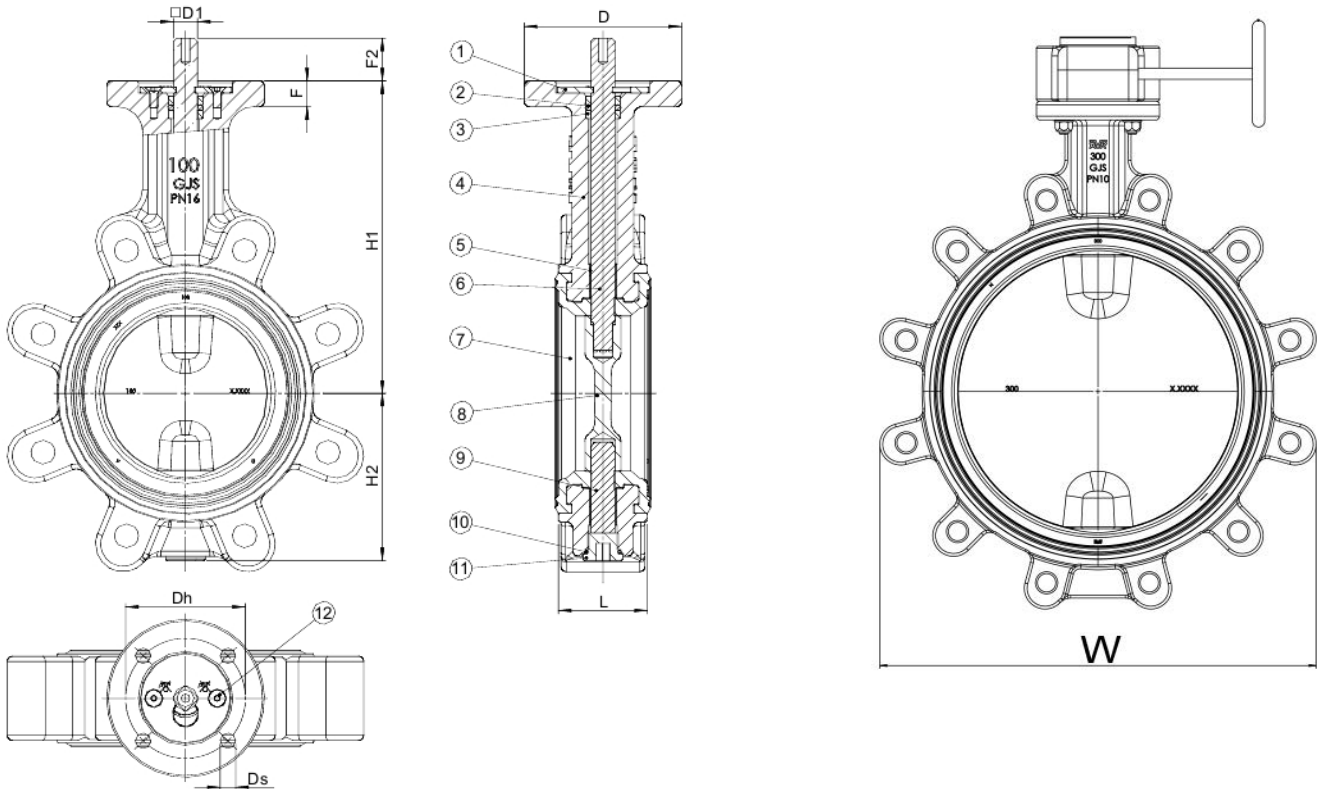




**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN16**

**76/71-V12**

EPDM rubber, cast 1.4308 disc, square shaft end, A2 bolts, aluminum/cast iron gearbox, DN 200-600



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Ductile iron GJS-500-7 (GGG-50)	10. O-ring	NBR rubber
5. Bearing	Steel, PTFE coated	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H1	H2	W
	mm	drilling	mm	mm	mm	mm
76-0200-71-8374026905XX	200	PN16	60	245	158	551
76-0250-71-8374026905XX	250	PN16	68	283	194	394
76-0300-71-8374026905XX	300	PN16	78	308	219	461
76-0350-71-8374026905XX	350	PN16	78	354	252	505
76-0400-71-8374026905XX	400	PN16	102	384	281	505
76-0450-71-8374026905XX	450	PN16	114	390	314	628
76-0500-71-8374026905XX	500	PN16	127	430	349	698
76-0600-71-8374026905XX <sup>(1)</sup>	600	PN16	154	480	410	820

(1) With wormgear



**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN16**

**76/XX-V12**

**EPDM rubber, cast 1.4308 body/disc , A2 bolts, aluminum/cast iron gearbox, DN 100-600**

AVK's Series 76 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

**Product description:**

Concentric butterfly valve with loose liner for drinking water and neutral liquids to max. 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

**Test/Approvals:**

- Hydraulic test according to EN 1074-1 / EN 12266
- WRAS approved materials

**Features:**

- Stainless steel body with long neck for insulation
- Anti-blowout drive shaft design
- Both shafts carried by low friction PTFE coated bearings
- Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft
- Slim disc design with internal hexagon for drive shaft connection
- Anti blow-out plate at the top and a plug at the bottom
- Two POM bearings and an EPDM O-ring at the top as backup sealing
- Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 100-600)
- 

**Accessories:**

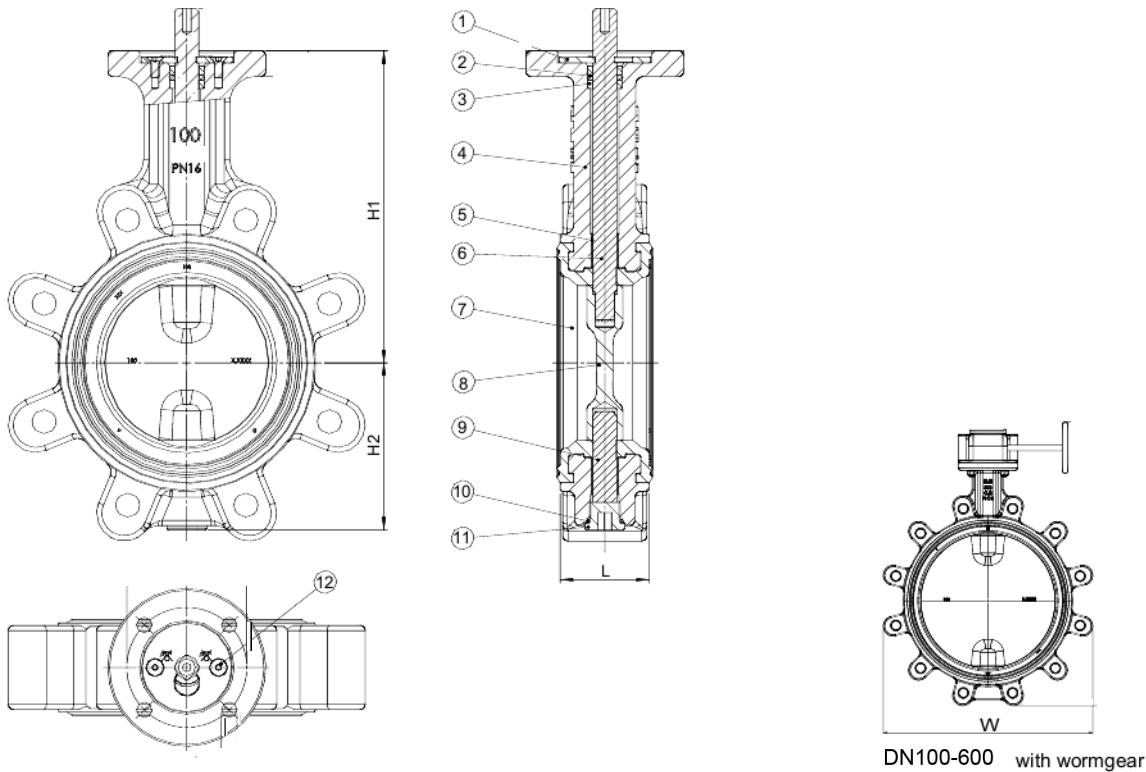
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN16**

**76/XX-V12**

EPDM rubber, cast 1.4308 body/disc , A2 bolts, aluminum/cast iron gearbox, DN 100-600



DN100-600 with wormgear

**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Stainless steel 1.4308	10. O-ring	NBR rubber
5. Bearing	Steel, PTFE coated	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

DN mm	Flange drilling	L mm	H1 mm	H2 mm	W mm
100	PN16	52	182	98	344
125	PN16	56	201	114	359
150	PN16	56	214	127	370
200	PN16	60	245	158	551
250	PN16	68	283	194	394
300	PN16	78	308	219	461
350	PN16	78	354	252	505
400	PN16	102	384	281	505
450	PN16	114	390	314	628
500	PN16	127	430	349	698
600	PN16	154	480	410	820



## AVK CONCENTRIC BUTTERFLY VALVE, LUG, PN16

76/71-006

Loose EPDM liner, EP coated DI disc, SS420 round shaft end, A2 bolts, blue EP coating, Rotork wormgear

The AVK Series 76 is a wide range of concentric, loose liner butterfly valves available in both flanged, wafer and lug design and with AVK's own high quality rubber liner that significantly increases the service life. The one-piece replaceable liner also serves as a profiled flange gasket and comes in either drinking water approved EPDM, high temperature EPDM or hydrocarbon resistant NBR. Disc material is stainless steel or epoxy coated ductile iron. The shaft in stainless steel, installed in low friction PTFE bearings in an anti-blow out design plus the unique disc sealing profile results in low operating torque and long life.

### Product description:

Loose liner butterfly valve for neutral liquids like drinking water, river water and treated waste water free from solids and fibrous impurities to max 70°C

### Standards:

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- Flange drilling to EN1092, PN10/16

### Test/Approvals:

- Tested according to EN12266-1.
- WRAS approved materials

### Features:

- Ductile iron body
- Loose, replaceable liner in drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets
- Shaft seal integrated in the liner
- Anti-blowout shaft design with an anti blow-out plate at the top and a plug at the bottom
- Radial bearings in low friction bronze/PTFE composite
- Shaft in stainless steel 1.4021/AISI 420
- Disc in epoxy coated ductile iron, GJS-500-7.
- Slim disc design with internal hexagon for drive shaft connection
- Rotork wormgear
- Epoxy coating, blue RAL 5017

### Accessories:

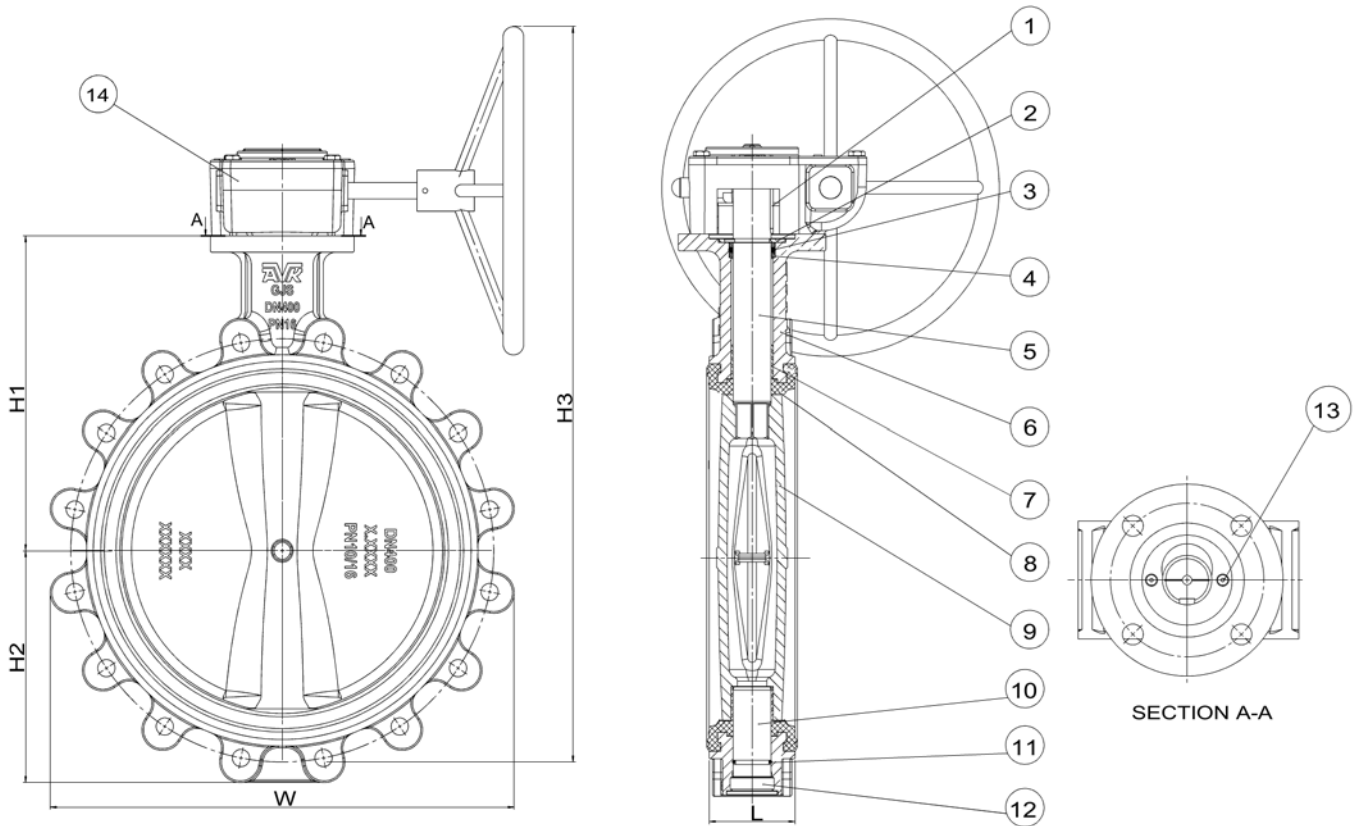
Gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, LUG, PN16**

**76/71-006**

Loose EPDM liner, EP coated DI disc, SS420 round shaft end, A2 bolts, blue EP coating, Rotork wormgear



**Component list:**

1. Key	Stainless steel A2-70	8. Liner	EPDM rubber
2. Plate	Steel, zinc plated	9. Disc	Ductile iron GJS-500-7 (GGG-50)
3. O-ring	EPDM rubber	10. Shaft, stub	Stainless steel 1.4021
4. Ring	POM	11. O-ring	EPDM rubber
5. Shaft, drive	Stainless steel 1.4021	12. Plug	Steel, zinc plated
6. Body	Ductile iron GJS-500-7 (GGG-50)	13. Screw	Stainless steel A2-70
7. Bearing	Bronze/PTFE composite	14. Gearbox	Cast iron

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H1 mm	H2 mm	H3 mm	W mm	Theoretical weight/kg
76-0350-71-837902690213	350	PN16	78	354	252	794	505	55
76-0400-71-837902690213	400	PN16	102	384	281	906	565	99





**AVK CONCENTRIC BUTTERFLY VALVE, FIXED LINER, LUG TYPE, PN10/16**

**69/41-005**

**EPDM liner, 1.4408 disk/duplex shaft, P 10/16bar, 350µm RAL5017 EP coating, pneum. actuator**

AVK's Series 69 range of concentric butterfly valves are available in wafer, lug and double flange design with lever, gearbox, pneumatic or electric actuator. They provide superior quality with an outstanding seating concept. The design is low friction bearings and an bonded EPDM liner with drive shaft/disc pinned together ensure high durability. The valves are suitable for bi-directional application.

**Product description:**

Concentric butterfly valve for drinking water and neutral fluids to max 70°C

**Standards:**

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- End connection to EN1092-2 PN 10/16
- Hydraulic test according to EN 12266-1, P10/P12, ISO 5208 and API 598

**Test/Approvals:**

- Tested according to EN12266-1.
- WRAS approved materials

**Features:**

- Drive shaft and disc are pinned together for safe operation
- Both shafts carried by low friction bearings
- Body and liner are bonded together to ensure high durability
- Stream lined disc design
- Two bearings and an O-ring at the top as backup sealing
- Ductile iron body with coating externally, 350 microns coating, RAL 5017

**Accessories:**

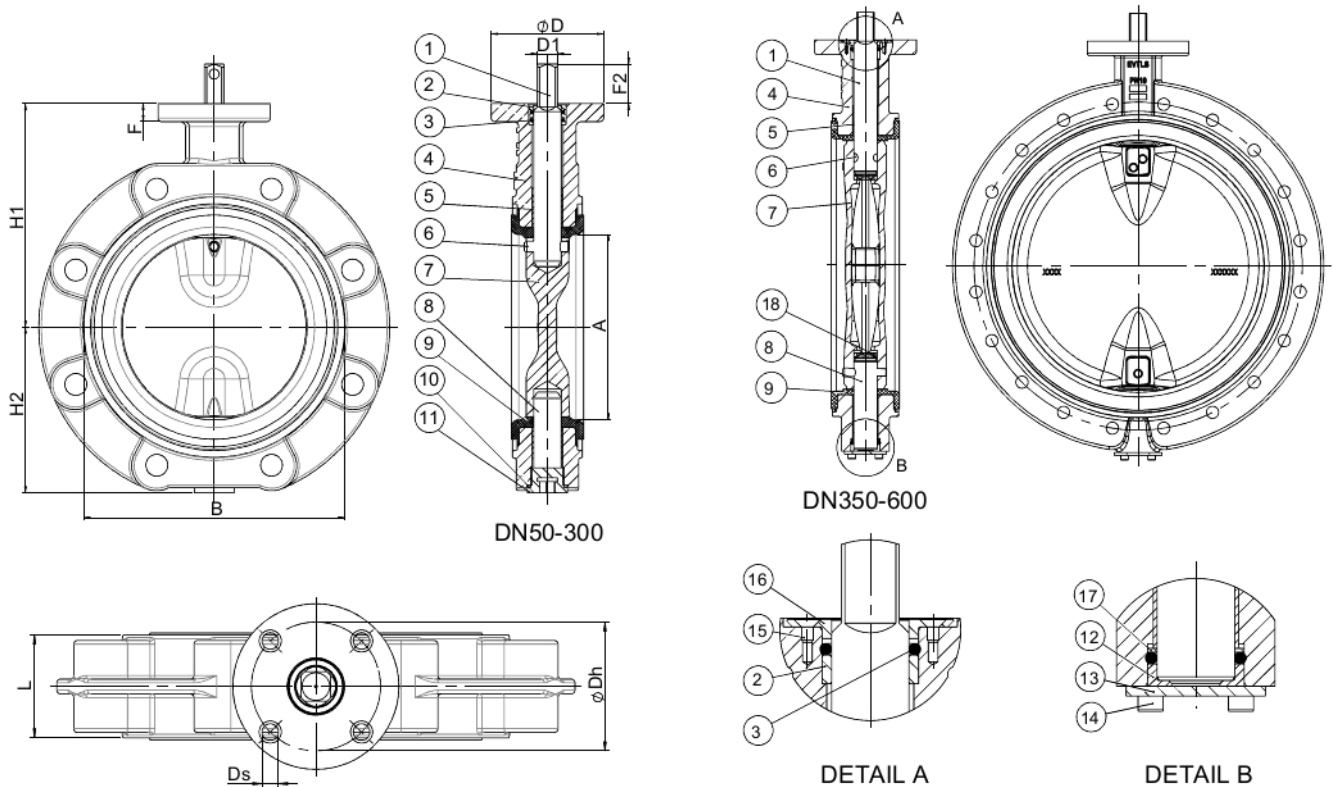
Lever, gearbox and handwheel, pneumatic actuator, electric actuator



**AVK CONCENTRIC BUTTERFLY VALVE, FIXED LINER, LUG TYPE, PN10/16**

**69/41-005**

EPDM liner, 1.4408 disk/duplex shaft, P 10/16bar, 350µm RAL5017 EP coating, pneum. actuator



**Component list:**

1. Shaft, drive	Stainless steel 1.4462, duplex	10. Seal ring	Bronze
2. Bush	Bronze	11. Plug	Steel
3. O-ring	EPDM rubber	12. Thrust bearing	Bronze
4. Body	Ductile iron	13. Cover plate	Steel
5. Radial bearing	Steel, PTFE coated	14. Cylinder screw	Steel
6. Conical pin	Duplex steel	15. Screw	Steel
7. Disk	Stainless steel 1.4408, cast	16. Bearing	Bronze
8. Shaft, stub	Stainless steel 1.4462, duplex	17. Seal ring	Bronze
9. Liner	EPDM rubber	18. Disk seal	Steel / NBR

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Product	A	B	L	F	F2	D	D1	Dh	Ds	H1	H2	Theoretical weight/kg
	mm	PN Class	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
69-0050-41-202105612313	50	PN16	50	100	43	12	15	90	10	70	9	118	63	8.0
69-0065-41-202105612313	65	PN16	65	115	46	12	15	90	10	70	9	126	71	9.0
69-0080-41-202105612313	80	PN16	80	135	46	12	15	90	10	70	9	133	78	10
69-0100-41-202105612313	100	PN16	100	150	52	12	15	90	12	70	9	147	98	12
69-0125-41-202105612313	125	PN16	125	182	56	12	15	90	12	70	9	160	109	16
69-0150-41-202105612313	150	PN16	150	210	56	14	18	90	16	70	9	180	133	20
69-0200-41-202101312313	200	PN10	200	262	60	14	18	90	16	70	9	204	158	25
69-0200-41-202102612313	200	PN16	200	262	60	14	18	90	16	70	9	204	158	25
69-0250-41-202101312313	250	PN10	250	315	68	15	23	125	24	102	11	245	194	28
69-0250-41-202102612313	250	PN16	250	315	68	15	23	125	24	102	11	245	194	28
69-0300-41-202101312313	300	PN10	300	371	78	15	23	125	24	102	11	270	219	36
69-0300-41-202102612313	300	PN16	300	371	78	15	23	125	24	102	11	270	219	36
69-0350-41-202101312313	350	PN10	336	405	78	15	23	125	24	102	11	315	256	63
69-0350-41-202102612313	350	PN16	336	405	78	15	23	125	24	102	11	315	256	63
69-0400-41-202101312313	400	PN10	386	470	102	25	35	175	30	140	17	363	308	85
69-0400-41-202102612313	400	PN16	386	470	102	25	35	175	30	140	17	363	308	85

**AVK CONCENTRIC BUTTERFLY VALVE, FIXED LINER, LUG TYPE, PN10/16**

**69/41-005**

EPDM liner, 1.4408 disk/duplex shaft, P 10/16bar, 350µm RAL5017 EP coating, pneum. actuator

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Product PN Class	A mm	B mm	L mm	F mm	F2 mm	D mm	D1 mm	Dh mm	Ds mm	H1 mm	H2 mm	Theoretical weight/kg
69-0450-41-202101312313	450	PN10	436	522	640	25	35	175	50	140	17	388	388	105
69-0450-41-202102612313	450	PN16	436	522	640	25	35	175	50	140	17	388	388	105
69-0500-41-202101312313	500	PN10	486	576	715	25	35	175	50	140	17	413	413	130
69-0500-41-202102612313	500	PN16	486	576	715	25	35	175	50	140	17	413	413	130
69-0600-41-202101312313	600	PN10	586	672	154	25	37	175	50	140	17	510	510	205
69-0600-41-202102612313	600	PN16	586	672	154	25	37	175	50	140	17	510	510	205



**AVK LUG BUTTERFLY VALVE, CONCENTRIC WITH BONDED LINER, GEAR BOX PN 25**

**69/41**  
**V03**

**DN200-300, EPDM/NBR liner for marine application, ductile iron disc, SS shaft**

AVK's Series 69 range of concentric butterfly valves are available in wafer, lug and double flange design with lever, gearbox and limit switch. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is low friction bearings and an bonded EPDM liner with drive shaft/disc pinned together ensure high durability. The valves are suitable for bi-directional application.

**Product Description:**

Concentric butterfly valve with bonded liner

**Standards:**

- Face to face according to EN 558 Table 2 Basic Series 20
- End connection to EN1092-2 PN 25
- Hydraulic test according to EN 12266-1, P10/P12, ISO 5208

**Features:**

- Ductile iron body with coating externally
- **Drive shaft and disc are pinned together for safe operation**
- Both shafts carried by low friction bearings
- Body and liner are bonded together to ensure high durability
- Stream lined disc design
- Two bearings and an O-ring at the top as backup sealing
- 150 microns coating, RAL 7011
- Ductile iron lever with 10 position notch plate (DN 50-150)
- Self locking gearbox with handwheel (DN200-300)

**Accessories:**

Gearbox and handwheel, pneumatic actuator, electric actuator

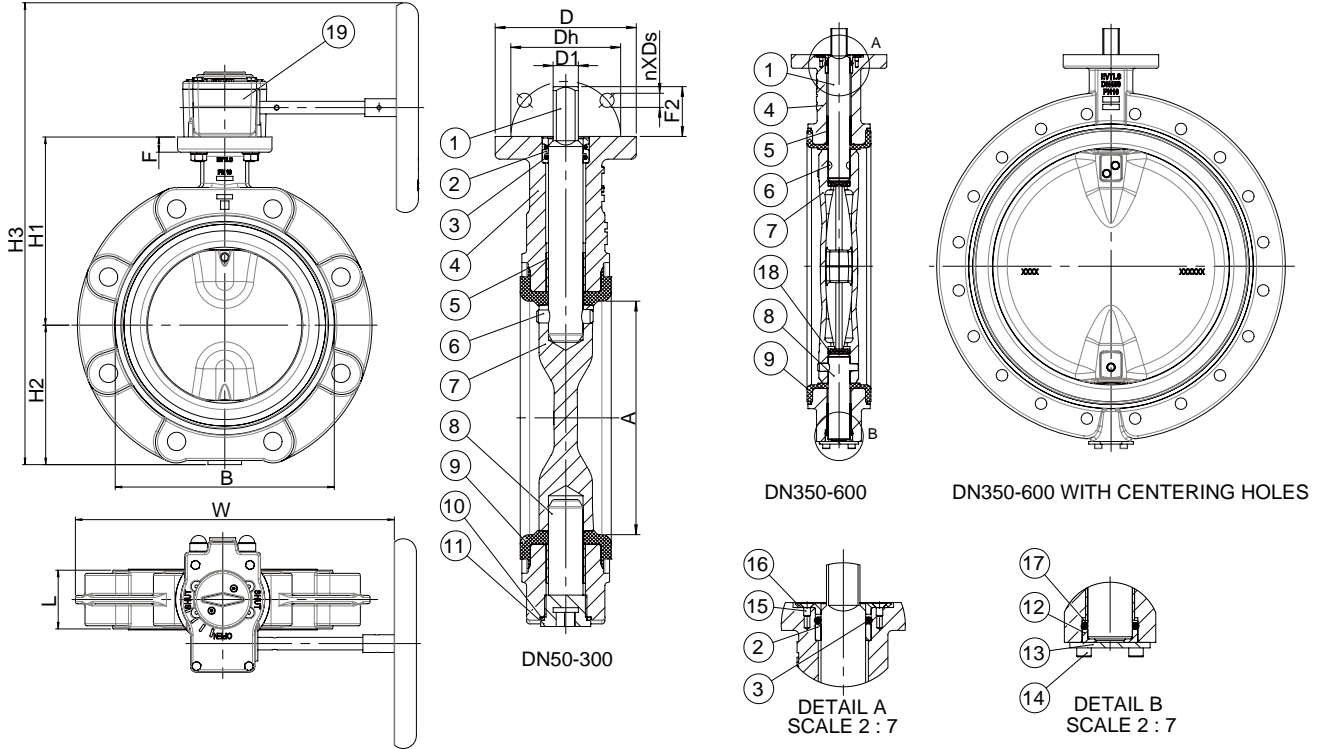


**AVK LUG BUTTERFLY VALVE, CONCENTRIC WITH BONDED LINER, GEAR BOX PN 25**

69/41

DN200-300, EPDM/NBR liner for marine application, ductile iron disc, SS shaft

V03



**Component list:**

1. Upper shaft	Stainless steel	11. Plug	St./Zn5C
2. Bush	Bronze	12. Axial bearing	Bronze
3. O-ring	EPDM	13. Cover plate	St./Zn5C
4. Body	Ductile iron	14. Cylinder head screw	St./Zn5C
5. Bearing	St./PTFE Lining	15. Counter sunk screw	St./Zn5C
6. Conical pin	Duplex	16. Flange bush	Bronze
7. Disc	Ductile iron	17. Seal ring	Bronze
8. Lower shaft	Ductile iron	18. Disc seal	St./NBR
9. Liner	EPDM	19. Gear box	Mixed
10. Sealing ring	Cu		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference Nos. and Dimensions:**

AVK ref. nos	DN mm	Product PN Class	A mm	B mm	L mm	F mm	F2 mm	D mm	D1 mm	Dh mm	Ds mm	H1 mm	H2 mm	H3 mm	W mm	n mm
69-0050-41-XXXX05612304	50	PN16	50	100	43	12	34	90	10	70	9	118	63	226	140.5	4
69-0065-41-XXXX05612304	65	PN16	65	115	46	12	34	90	10	70	9	126	71	242	150.5	4
69-0080-41-XXXX05612304	80	PN16	80	130	46	12	34	90	10	70	9	133	78	256	174	4
69-0100-41-XXXX05612304	100	PN16	100	150	52	12	34	90	12	70	9	147	98	290	191.5	4
69-0125-41-XXXX05612304	125	PN16	125	182	56	12	34	90	12	70	9	160	109	314	206	4
69-0150-41-XXXX05612304	150	PN16	150	210	56	14	34	90	16	70	9	180	133	358	218.5	4
69-0200-41-XXXX02612304	200	PN16	200	262	60	14	34	90	16	70	9	204	158	432	245.5	4
69-0250-41-XXXX02612304	250	PN16	250	315	68	15	45	125	24	102	11	245	194	567	324	4
69-0300-41-XXXX02612304	300	PN16	300	371	78	15	45	125	24	102	11	270	219	617	359	4





## AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN 25

76/71-V13

EPDM rubber, DI disc, square shaft end, A2 bolts, aluminum/cast iron gearbox, DN 250-300

AVK's Series 76 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

### Product description:

Concentric butterfly valve with loose liner for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 593
- Face-to-face dimension according to EN 558 Table 2 Basic Series 20
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 25

### Test/Approvals:

- Hydraulic test according to EN 1074-1 / EN 12266
- WRAS approved materials

### Features:

- Ductile iron body with long neck for insulation
- Anti-blowout drive shaft design
- Both shafts carried by low friction PTFE coated bearings
- Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft
- Slim disc design with internal hexagon for drive shaft connection
- Anti blow-out plate at the top and a plug at the bottom
- Two POM bearings and an EPDM O-ring at the top as backup sealing
- 250µm epoxy coating, RAL5017
- Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 200-600)

### Accessories:

Gearbox and handwheel, pneumatic actuator, electric actuator

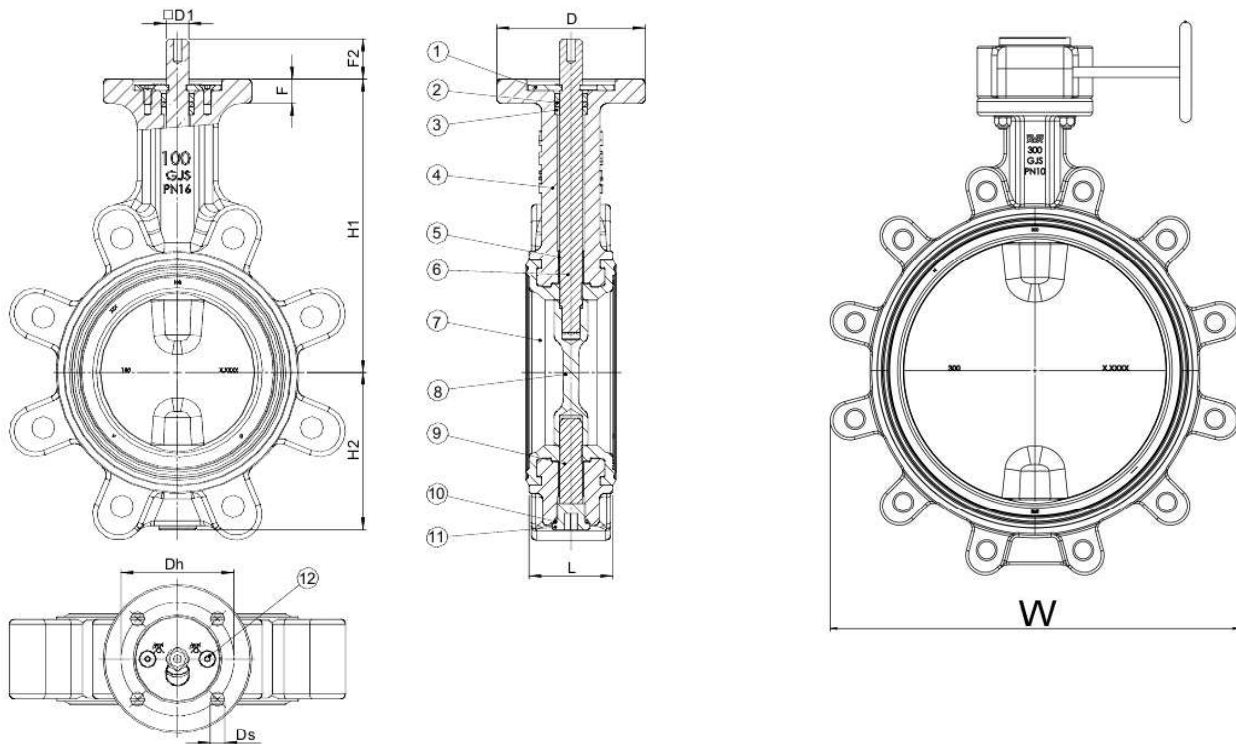


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**AVK BUTTERFLY VALVE, LOOSE LINER, LUG TYPE, PN 25**

**76/71-V13**

**EPDM rubber, DI disc, square shaft end, A2 bolts, aluminum/cast iron gearbox, DN 250-300**



**Component list:**

1. Plate	POM	7. Liner	EPDM rubber
2. O-ring	EPDM rubber	8. Disc	Stainless steel 1.4308
3. Ring	POM	9. Shaft, stub	Stainless steel 1.4021
4. Body	Ductile iron GJS-500-7 (GGG-50)	10. O-ring	NBR rubber
5. Bearing	Steel, PTFE coated	11. Plug	POM
6. Shaft, drive	Stainless steel 1.4021	12. Screw	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H1	H2	W
	mm	drilling	mm	mm	mm	mm
76-0200-71-8376XXX905XX	200	PN25	60	245	158	551
76-0250-71-8376XXX905XX	250	PN25	68	283	194	425
76-0300-71-8376XXX905XX	300	PN25	78	308	219	485



**AVK LUG BUTTERFLY VALVE, CONCENTRIC WITH BONDED LINER, GEAR BOX PN 25**

69/41

V03

**DN200-300, EPDM/NBR liner for marine application, ductile iron disc, SS shaft**

AVK's Series 69 range of concentric butterfly valves are available in wafer, lug and double flange design with lever, gearbox and limit switch. They provide a cost effective solution to our customers while also manufactured to the expected quality standard associated with the AVK brand. The design is low friction bearings and an bonded EPDM liner with drive shaft/disc pinned together easure high durability. The valves are suitable for bi-directional application.

**Product Description:**

Concentric butterfly valve with bonded liner

**Standards:**

- Face to face according to EN 558 Table 2 Basic Series 20
- End connection to EN1092-2 PN 25
- Hydraulic test according to EN 12266-1, P10/P12, ISO 5208

**Features:**

- Ductile iron body with coating externally
- **Drive shaft and disc are pinned together for safe operation**
- Both shafts carried by low friction bearings
- Body and liner are bonded together to ensure high durability
- Stream lined disc design
- Two bearings and an O-ring at the top as backup sealing
- 150 microns coating, RAL 7011
- Ductile iron lever with 10 positon notch plate (DN 50-150)
- Self locking gearbox with handwheel (DN200-300)

**Accessories:**

Gearbox and handwheel, pneumatic actuator, electric actuator

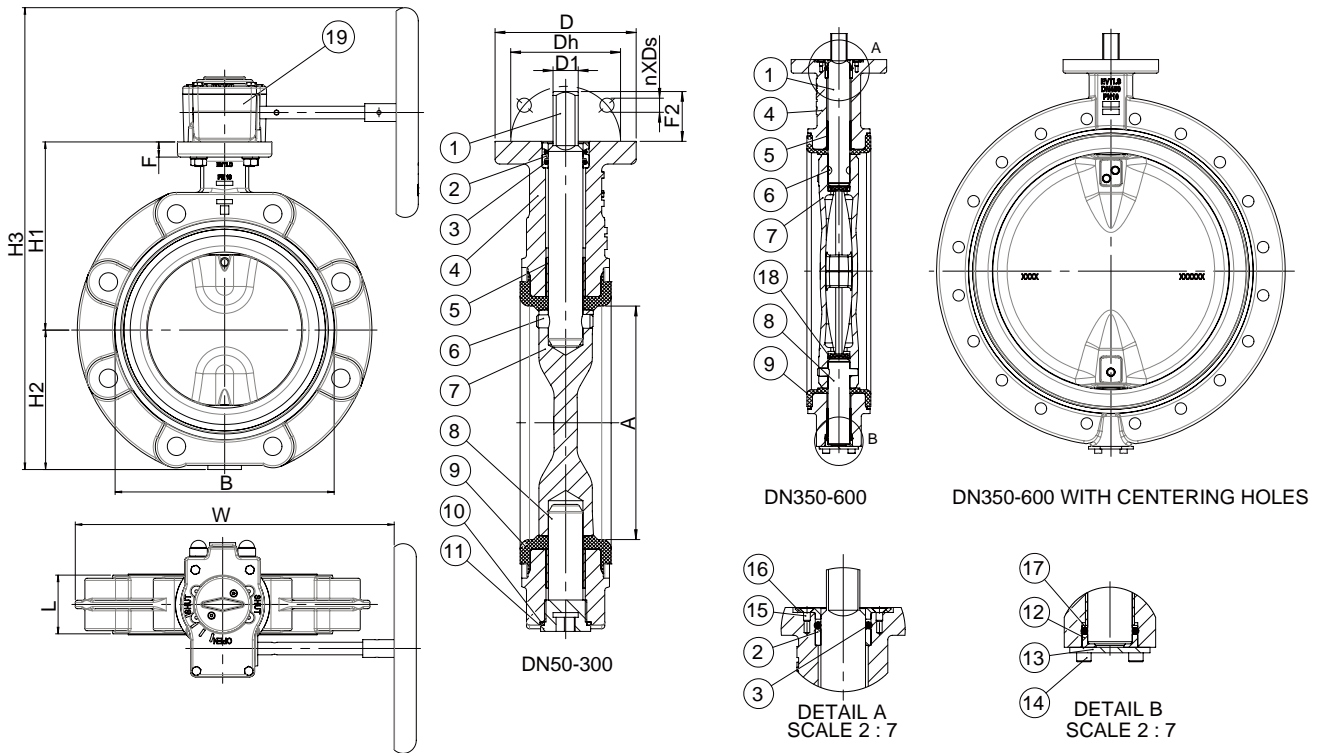


**AVK LUG BUTTERFLY VALVE, CONCENTRIC WITH BONDED LINER, GEAR BOX PN 25**

69/41

DN200-300, EPDM/NBR liner for marine application, ductile iron disc, SS shaft

V03



**Component list:**

1. Upper shaft	Stainless steel	11. Plug	St./Zn5C
2. Bush	Bronze	12. Axial bearing	Bronze
3. O-ring	EPDM	13. Cover plate	St./Zn5C
4. Body	Ductile iron	14. Cylinder head screw	St./Zn5C
5. Bearing	St./PTFE Lining	15. Counter sunk screw	St./Zn5C
6. Conical pin	Duplex	16. Flange bush	Bronze
7. Disc	Ductile iron	17. Seal ring	Bronze
8. Lower shaft	Ductile iron	18. Disc seal	St./NBR
9. Liner	EPDM	19. Gear box	Mixed
10. Sealing ring	Cu		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference Nos. and Dimensions:**

AVK ref. nos	DN mm	Product PN Class	A mm	B mm	L mm	F mm	F2 mm	D mm	D1 mm	Dh mm	Ds mm	H1 mm	H2 mm	H3 mm	W mm	n mm
69-0050-41-XXXX05612304	50	PN16	50	100	43	12	34	90	10	70	9	118	63	226	140.5	4
69-0065-41-XXXX05612304	65	PN16	65	115	46	12	34	90	10	70	9	126	71	242	150.5	4
69-0080-41-XXXX05612304	80	PN16	80	130	46	12	34	90	10	70	9	133	78	256	174	4
69-0100-41-XXXX05612304	100	PN16	100	150	52	12	34	90	12	70	9	147	98	290	191.5	4
69-0125-41-XXXX05612304	125	PN16	125	182	56	12	34	90	12	70	9	160	109	314	206	4
69-0150-41-XXXX05612304	150	PN16	150	210	56	14	34	90	16	70	9	180	133	358	218.5	4
69-0200-41-XXXX02612304	200	PN16	200	262	60	14	34	90	16	70	9	204	158	432	245.5	4
69-0250-41-XXXX02612304	250	PN16	250	315	68	15	45	125	24	102	11	245	194	567	324	4
69-0300-41-XXXX02612304	300	PN16	300	371	78	15	45	125	24	102	11	270	219	617	359	4



## AVK DOUBLE ECCENTRIC BUTTERFLY VALVE, PN10/16

756/218-001

Integral seat, IP67 gearbox with handwheel, plate disc, short, SS shaft

AVK double eccentric butterfly valves are designed with tilted and fixated disc for extended service life and easy operation. The disc seal is made of AVK's drinking water approved EPDM rubber featuring an excellent compression set and thus ability to regain its original shape. The DVGW/WRAS approved epoxy coating and fully encapsulated shaft/disc connection ensure high durability. The valves up to DN2400 are suitable for bi-directional application, DN2600 and above are suitable for one-directional application.

### Product description:

Double eccentric butterfly valve to EN 593 for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 593
- Flange drilling to EN1092-2 (DN700-2000) / DIN2501(DN>2000 PN10 body) / special drilling (DN>2000 PN16 body)
- Face to face to EN 558 Table 2 Series 13 (DN 700-2000) / specific standard (DN>2000)

### Test/Approvals:

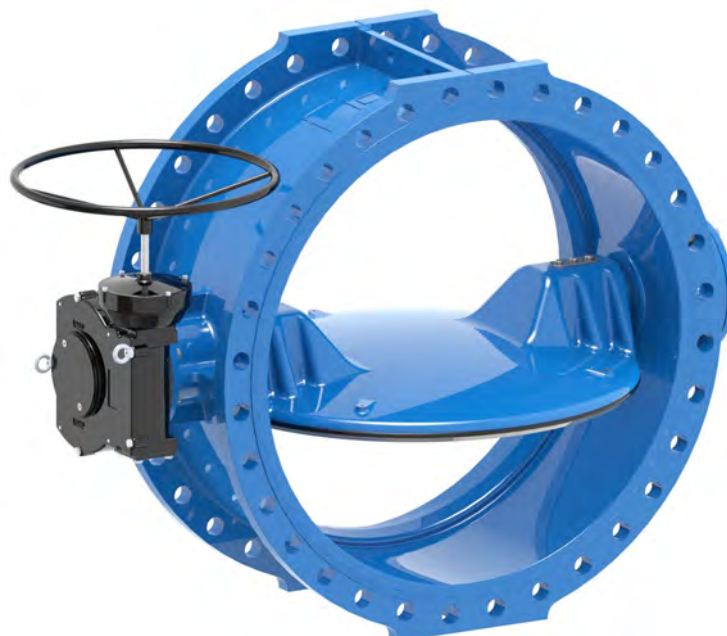
- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Approved according to DIN-DVGW Certificate NW-6201BR0451
- Approved according to WRAS Certificate No. 1702367
- Approved according to KIWA Certificate K 6320 (DN700-DN800 only)

### Features:

- The tilted disc releases the compression of the disc sealing after a few degrees of opening, which extends the durability and gives low operating torques
- The disc is fixed to the shaft to prevent wear and fluttering
- The disc seal profile and rubber quality ensure low closing torques
- All rubber parts are multi approved for DVGW-WRAS-KIWA-ACS
- Seal retainer ring of stainless steel
- The threaded bolt holes in the disc are corrosion protected with O-rings
- Machined and epoxy coated ductile iron seat integrated in the body
- Shaft of stainless steel with self-lubricating bearings
- The shaft ends are fully encapsulated in the disc and are fixed with dowels corrosion protected with O-rings and a stainless steel security plate. Key and keyway as backup
- Replaceable shaft sealing with two EPDM O-rings on each side of a bronze bushing, and a flat NBR gasket
- Optional locking device
- DN≥1800: Body and disc of ductile iron with two pack epoxy RAL 5017 externally and ribbon blue or cream white internally according to WRAS

### Accessories:

Locking device, extension spindle, street cover, dismantling joint and flange adaptor



kiwa

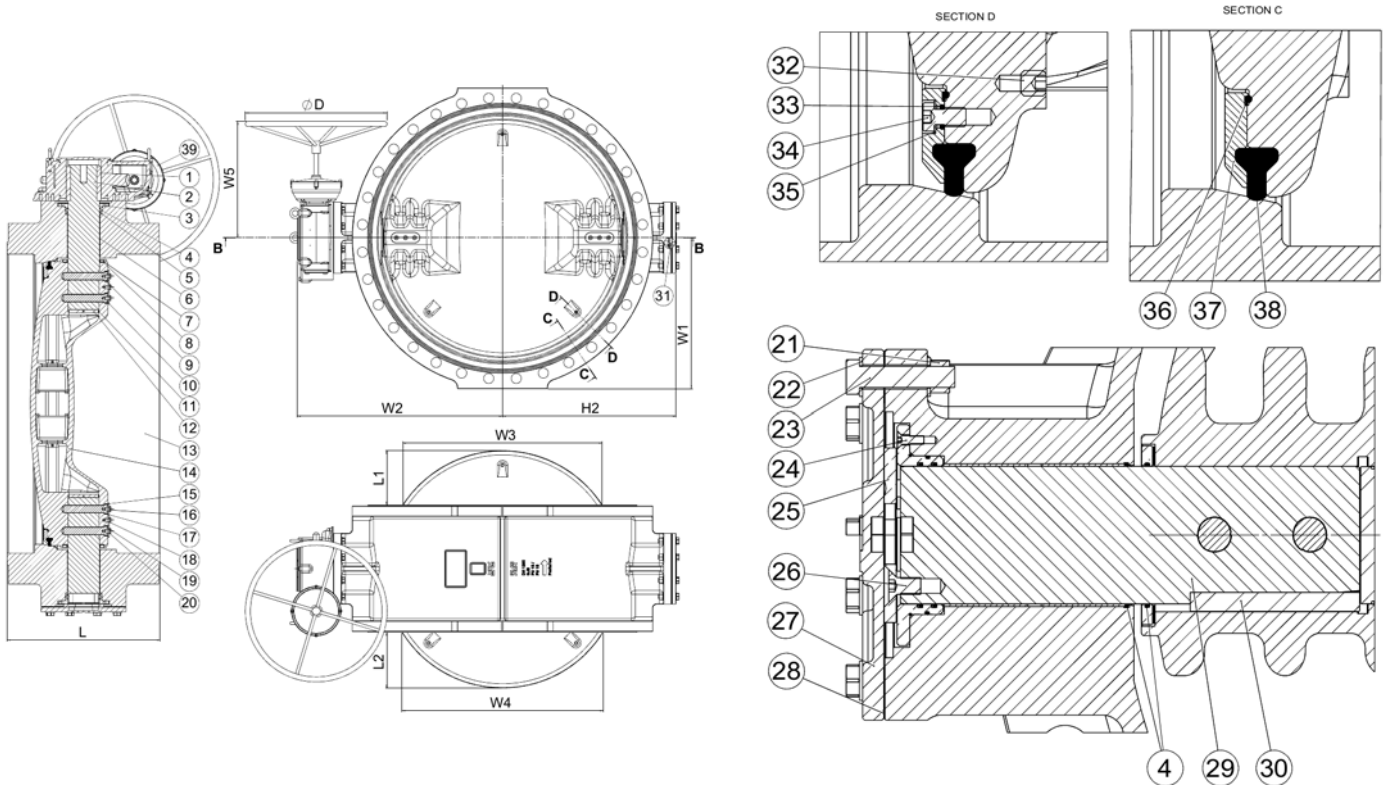
Expect ... **AVR**



**AVK DOUBLE ECCENTRIC BUTTERFLY VALVE, PN10/16**

**756/218-001**

Integral seat, IP67 gearbox with handwheel, plate disc, short, SS shaft



**Component list:**

1. Key	Stainless steel A2	21. Nut	Stainless steel A2
2. Valve shaft	Stainless steel 420	22. Washer	Stainless steel A2
3. Seal housing	Bronze	23. Screw	Stainless steel A2
4. O-ring	EPDM rubber	24. Screw	Stainless steel A2
5. O-ring	EPDM rubber	25. Thrust bearing	Bronze
6. Self-lubricating bearing	Steel, PTFE coated	26. Screw	Stainless steel A2
7. Disk cover	Stainless steel	27. End plate	Ductile iron GJS-500-7 (GGG-50)
8. Disk cover gasket	EPDM rubber	28. Gasket	EPDM rubber
9. O-ring	EPDM rubber	29. Shaft, stub	Stainless steel 420
10. Dowel	Stainless steel A2	30. Safety key	Stainless steel A2
11. O-ring	EPDM rubber	31. Screw	Stainless steel A2
12. Plug	Steel	32. Screw	Stainless steel A2
13. Body	Ductile iron GJS-500-7 (GGG-50)	33. O-ring	EPDM rubber
14. Disk	Ductile iron GJS-500-7 (GGG-50)	34. Bolt	Stainless steel A2
15. Security plate	Stainless steel	35. Washer	Stainless steel A2
16. Screw	Stainless steel A2	36. O-ring	EPDM rubber
17. O-ring	EPDM rubber	37. Seal retainer ring	Steel
18. Spring washer	Stainless steel A2	38. Disk seal	EPDM rubber
19. Washer	Zinc	39. Gearbox	Cast iron
20. O-ring	EPDM rubber		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	D	L	L1	L2	H2	W1	W2	W3	W4	W5	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
756-0700-2-04018014	700	PN10	600	292	193	199	552	448	649	616	622	450	405
756-0700-2-14018014	700	PN16	700	292	193	199	552	455	652	616	622	517	472

**AVK DOUBLE ECCENTRIC BUTTERFLY VALVE, PN10/16**  
**Integral seat, IP67 gearbox with handwheel, plate disc, short, SS shaft**

**756/218-001**

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	D mm	L mm	L1 mm	L2 mm	H2 mm	W1 mm	W2 mm	W3 mm	W4 mm	W5 mm	Theoretical weight/kg
756-0800-2-04018014	800	PN10	600	318	231	237	622	508	718	717	722	450	520
756-0800-2-14018014	800	PN16	700	318	231	237	622	513	722	717	722	517	595
756-0900-2-04018014	900	PN10	700	330	276	282	691	558	792	822	827	517	660
756-0900-2-14018014	900	PN16	700	330	276	282	691	561	830	822	827	570	770
756-1000-2-04018014	1000	PN10	700	410	286	292	785	615	871	896	902	430	940
756-1000-2-14018014	1000	PN16	600	410	286	292	785	628	930	896	902	466	1050
756-1200-2-04018014	1200	PN10	600	470	349	355	855	728	1000	1073	1078	491	1410
756-1200-2-14018014	1200	PN16	700	470	349	355	855	743	1000	1073	1078	491	1613



## AVK SWING CHECK VALVE, RESILIENT SEATED, PN 25

41/XX-V01

Enclosed shaft end, DN100

AVK series 41 swing check valves come with both metal and resilient seats. Installed in pumping applications to prevent back flow they can be used for drinking water as well as waste water. The disc is connected to the shaft via a flexible bush that allows disc and valve seat to adjust exactly. All interior parts are stainless steel or coated with drinking water approved epoxy or EPDM. The series 41 valves are available with either closed bushings or protruding shaft end where a lever with a weight or a spring can be fitted to mitigate pressure surges.

### Product description:

Resilient seated swing check valve with enclosed shaft end. For drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 1074 - 3
- Face to face according to EN 558 Table 2 Basic Series 10
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 25

### Features:

- Stainless steel body/bonnet or ductile iron body/bonnet with 250µm fusion bonded epoxy coating
- Resilient seat provides a drop tight closure and due to the light weight it requires a minimum of force to open/close
- Shaft fitted in the bonnet allowing for easy maintenance without removing valve from pipeline
- Shaft material 1.4021 AISI (320) stainless steel
- Hinge of stainless steel
- Bonnet gasket in a groove between bonnet and body to prevent blow-out
- All seals and coatings with contact to the fluid are approved for drinking water
- Disc design with a steel or ductile iron insert fully vulcanized with drinking water approved EPDM rubber
- Bosses on each side of the valve seat allow for installation of pressure gauge, by-pass, etc.

### Accessories:

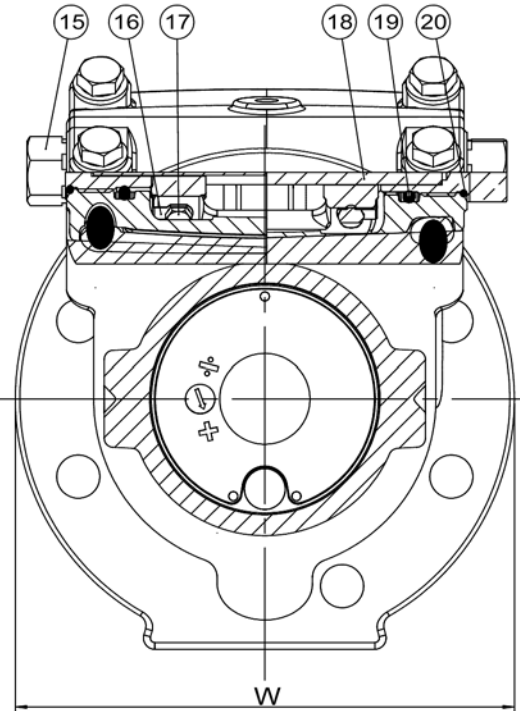
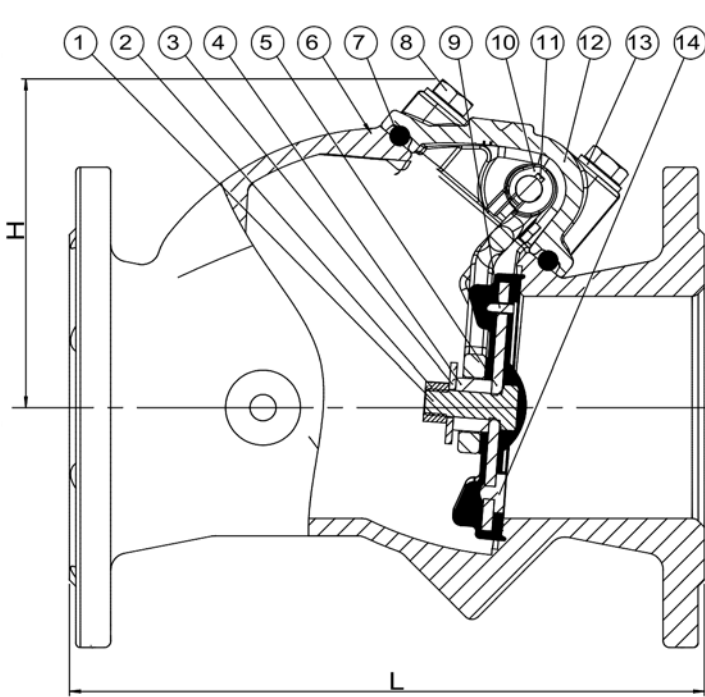
Combi-flanges, flange adaptor.



**AVK SWING CHECK VALVE, RESILIENT SEATED, PN 25**

**41/XX-V01**

Enclosed shaft end, DN100



**Component list:**

1. Bolt	Stainless steel A4	11. Key	Stainless steel A4
2. Nut	Stainless steel A2	12. Bonnet	Ductile iron GJS-500-7 (GGG-50)/ Stainless steel 1.4308
3. Washer	Stainless steel A4	13. Washer	Stainless steel A4
4. Bushing	Polyamide	14. Thrust plate	Stainless steel
5. Disc	Steel / EPDM	15. Bushing, closed	Brass, DZR
6. Body	Ductile iron GJS-500-7 (GGG-50)/ Stainless steel 1.4308 (CF8)	16. Tab washer	Stainless steel A4
7. Gasket	EPDM rubber	17. Bolt	Stainless steel A4
8. Bolt	Stainless steel A2	18. Shaft	Stainless steel 420
9. Pin	Stainless steel A4	19. O-ring	EPDM rubber
10. Hinge	Stainless steel 316	20. O-ring	EPDM rubber

Components may be substituted with equivalent or higher class materials without prior notification.

Item 10: Ductile iron for DN ≥ 250

**Reference nos. and dimensions:**

AVK ref. no.	DN	Flange	L	H	W	Theoretical weight / kg
	mm	drilling	mm	mm	mm	
41-100-XX-018	100	PN25	292	150	235	32(DI)/39(SS)



## AVK SILENT CHECK VALVE, PN16

903/XX-V02

1.4308 body , metal seated



Series 903 metal seated silent check valves are designed to prevent back flow in high temperature range pumping applications. The valve element movement is controlled via a central guide where a centrally mounted spring together with the short movement aids the quick closing that is essential in reducing shock associated with valve closure. The pumped media can be water, glycol or other clean, neutral liquids.



### Product description:

Flanged silent check valve for water, and water with glycol from -10° C to 110° C

### Design standards:

- EN 12334
- Face-to-face dimension according to MSS SP-125 short globe
- Flange drilling to EN1092, PN16

### Test/Approvals:

- Experimental shell design strength according to EN12516-3
- Test according to EN12266
- Min. open pressure 0.7 bar

### Features:

- The combination of light disc, short stroke distance and fast closing spring design is effectively mitigating slamming
- Streamlined contour for low head loss
- The special seat design ensures quick and easy trim replacement
- Metal seat for durability and high temperature tolerance
- Up to and including DN200, the design makes it possible to mount a butterfly valve at the outlet side of the silent check valve, without any additional adapters. This refers to the measure reference C

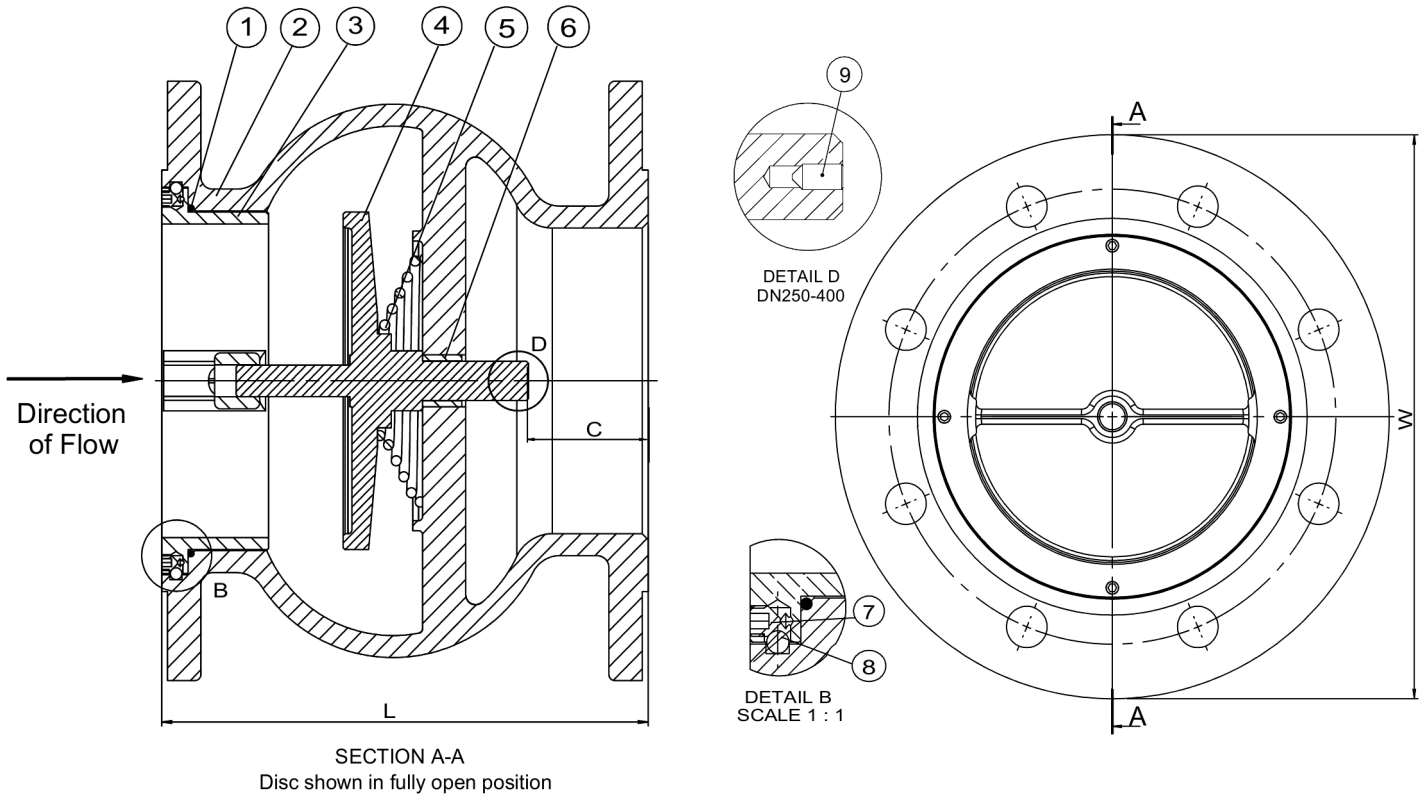




**AVK SILENT CHECK VALVE, PN16**

**903/XX-V02**

1.4308 body , metal seated



**Component list:**

1. O-ring	EPDM rubber	6. Bush	Stainless steel 316
2. Body	Stainless steel 1.4308 (CF8), cast	7. Bolt	Stainless steel A2
3. Seat	Stainless steel 1.4308 (CF8), cast	8. Retainer ball	Stainless steel 304
4. Disc	Stainless steel 1.4308 (CF8), cast	9. Bolt	Stainless steel A4
5. Spring	Stainless steel 1.4301		

Components may be substituted with equivalent or higher class materials without prior notification.

\* "Item 9" is available for DN250-DN400

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	W mm	C mm
903-065-XX-11036 (1)	65	PN16	140	185	27.5
903-080-XX-11036 (1)	80	PN16	152	200	35.5
903-100-XX-11036 (1)	100	PN16	184	235	46
903-125-XX-11036 (1)	125	PN16	216	270	51
903-150-XX-11036 (1)	150	PN16	248	300	61
903-200-XX-11036 (1)	200	PN16	317	360	84
903-250-XX-11036 (1)	250	PN16	394	435	122
903-300-XX-11036 (1)	300	PN16	362	492	16
903-350-XX-11036 (1)	350	PN16	400	571	35.5
903-400-XX-11036 (1)	400	PN16	448	624	50
903-450-XX-11036 (1)	450	PN16	476	665*	22*
903-500-XX-11036 (1)	500	PN16	524	725*	34*
903-600-XX-11036 (1)	600	PN16	610	849*	0*

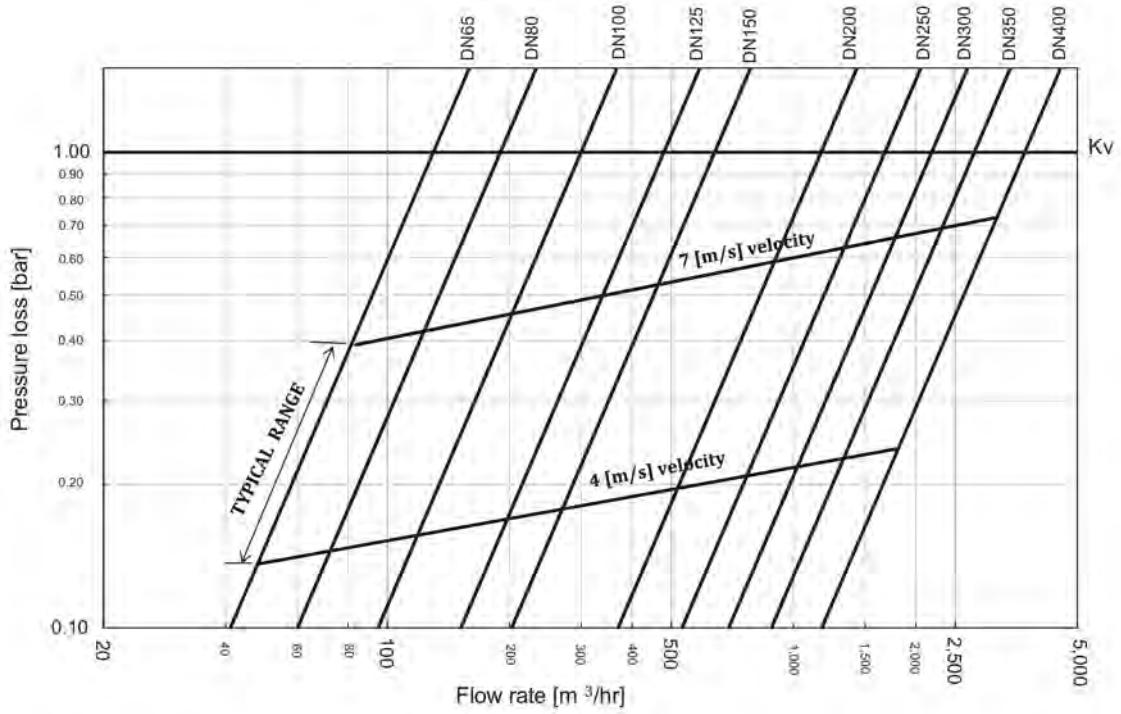
(1) \* Fully open position m<sup>3</sup>/h @ 1 bar differential pressure

**AVK SILENT CHECK VALVE, PN16**

**903/XX-V02**

CF8 body, metal seated

Flow/Pressure Drop Chart - Silent Check Valve (Water)



These charts are based on the flow of clean water at ambient temperature 20° C.



**AVK SILENT CHECK VALVE, PN10/16**

**903/20-001**

**Metal seated, flanged, EN1092, 304 trim/disc, 250µm blue EP coating**

Series 903 metal seated silent check valves are designed to prevent back flow in high temperature range pumping applications. The valve element movement is controlled via a central guide where a centrally mounted spring together with the short movement aids the quick closing that is essential in reducing shock associated with valve closure. The pumped media can be water, glycol or other clean, neutral liquids.

**Product description:**

Flanged silent check valve for water, and water with glycol from -10°C to 110°C

**Design standards:**

- EN 12334
- Face-to-face dimension according to MSS SP-125 short globe
- Flange drilling to EN1092, PN10/16

**Test/Approvals:**

- Experimental shell design strength according to EN12516-3
- Test according to EN12266

**Features:**

- The combination of light disc, short stroke distance and fast closing spring design effectively mitigates slamming
- Streamlined contour for low head loss
- The special metal seat design ensures quick and easy trim replacement
- Disc in cast, stainless steel 1.4308/CF8 (304), trim in AISI 304
- 250µm blue RAL 5017 fusion bonded epoxy coating on both external and internal surfaces
- On sizes DN200 and below the design allows for installation of a butterfly valve at the outlet without additional adapters; cf. measure reference C

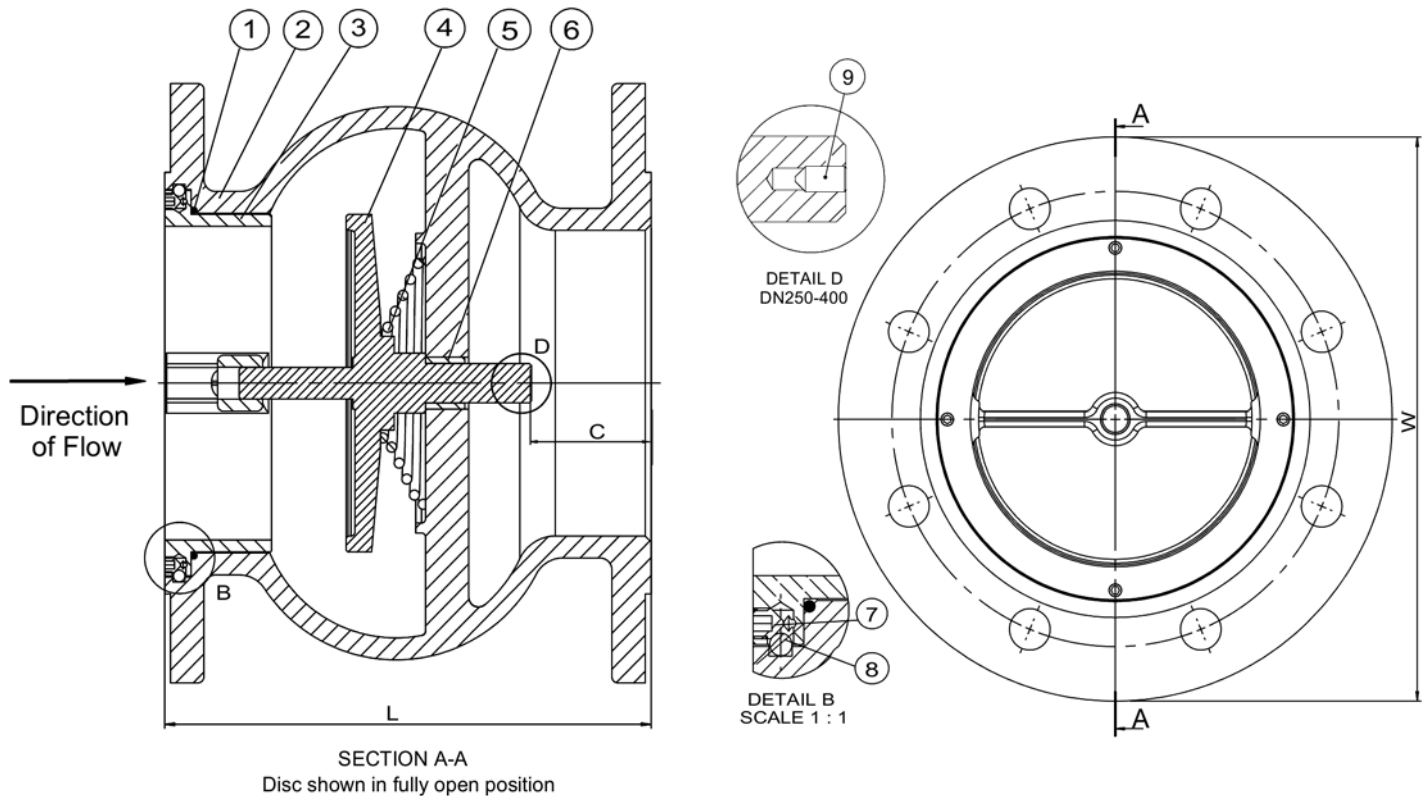


Expect ... **AVR**

**AVK SILENT CHECK VALVE, PN10/16**

**903/20-001**

**Metal seated, flanged, EN1092, 304 trim/disc, 250µm blue EP coating**



**Component list:**

1. O-ring	EPDM rubber	6. Bush	Stainless steel 316
2. Body	Ductile iron GJS-500-7 (GGG-50)	7. Bolt	Stainless steel A2
3. Seat	Stainless steel 1.4308 (CF8), cast	8. Retainer ball	Stainless steel 304
4. Disc	Stainless steel 1.4308 (CF8), cast	9. Bolt	Stainless steel A4
5. Spring	Stainless steel 1.4301		

Components may be substituted with equivalent or higher class materials without prior notification.

\* "Item 9" is available for DN250-DN400

**Reference nos. and dimensions:**

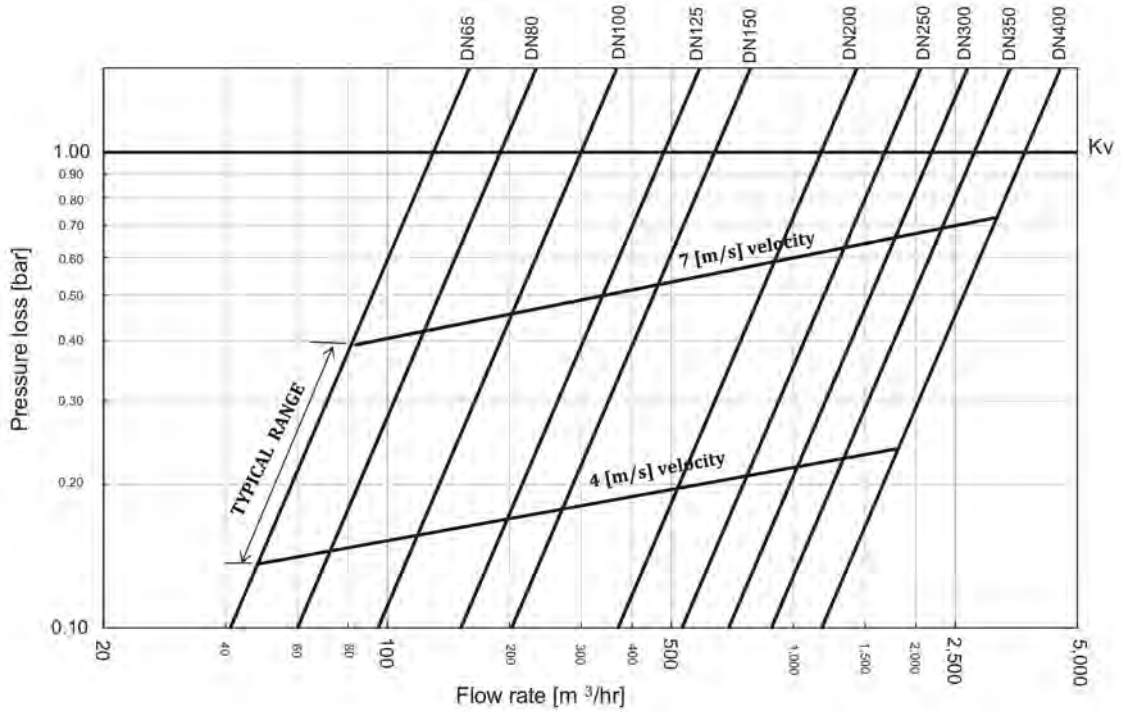
AVK ref. no.	DN	Flange	L	W	C	Theoretical weight/kg
	mm	drilling	mm	mm	mm	
903-065-20-11000	65	PN10/16	140	185	27.5	7.9
903-080-20-11000	80	PN10/16	152	200	35.5	8.8
903-100-20-11000	100	PN10/16	184	235	46	15
903-125-20-11000	125	PN10/16	216	270	51	21
903-150-20-11000	150	PN10/16	248	300	61	31
903-200-20-01000	200	PN10	317	360	84	51
903-200-20-11000	200	PN16	317	360	84	51
903-250-20-01000	250	PN10	394	440	118	77
903-250-20-11000	250	PN16	394	440	118	77
903-300-20-01000	300	PN10	362	500	16	97
903-300-20-11000	300	PN16	362	500	16	97
903-350-20-01000	350	PN10	400	580	35.5	137
903-350-20-11000	350	PN16	400	580	35.5	137
903-400-20-01000	400	PN10	448	635	50	178
903-400-20-11000	400	PN16	448	635	50	178

**AVK SILENT CHECK VALVE, PN10/16**

**903/20-001**

**Metal seated, flanged, EN1092, 304 trim/disc, 250µm blue EP coating**

Flow/Pressure Drop Chart - Silent Check Valve (Water)



These charts are based on the flow of clean water at ambient temperature 20° C.





**AVK SILENT CHECK VALVE, PN25**

**903/20-002**

**Metal seated, flanged, EN1092, 304 trim/disc, 250µm blue EP coating**

Series 903 metal seated silent check valves are designed to prevent back flow in high temperature range pumping applications. The valve element movement is controlled via a central guide where a centrally mounted spring together with the short movement aids the quick closing that is essential in reducing shock associated with valve closure. The pumped media can be water, glycol or other clean, neutral liquids.

**Product description:**

Flanged silent check valve for water, and water with glycol from -10°C to 110°C

**Design standards:**

- EN 12334
- Face-to-face dimension according to MSS SP-125 short globe
- Flange drilling EN1092, PN25

**Test/Approvals:**

- Experimental shell design strength according to EN12516-3
- Test according to EN12266

**Features:**

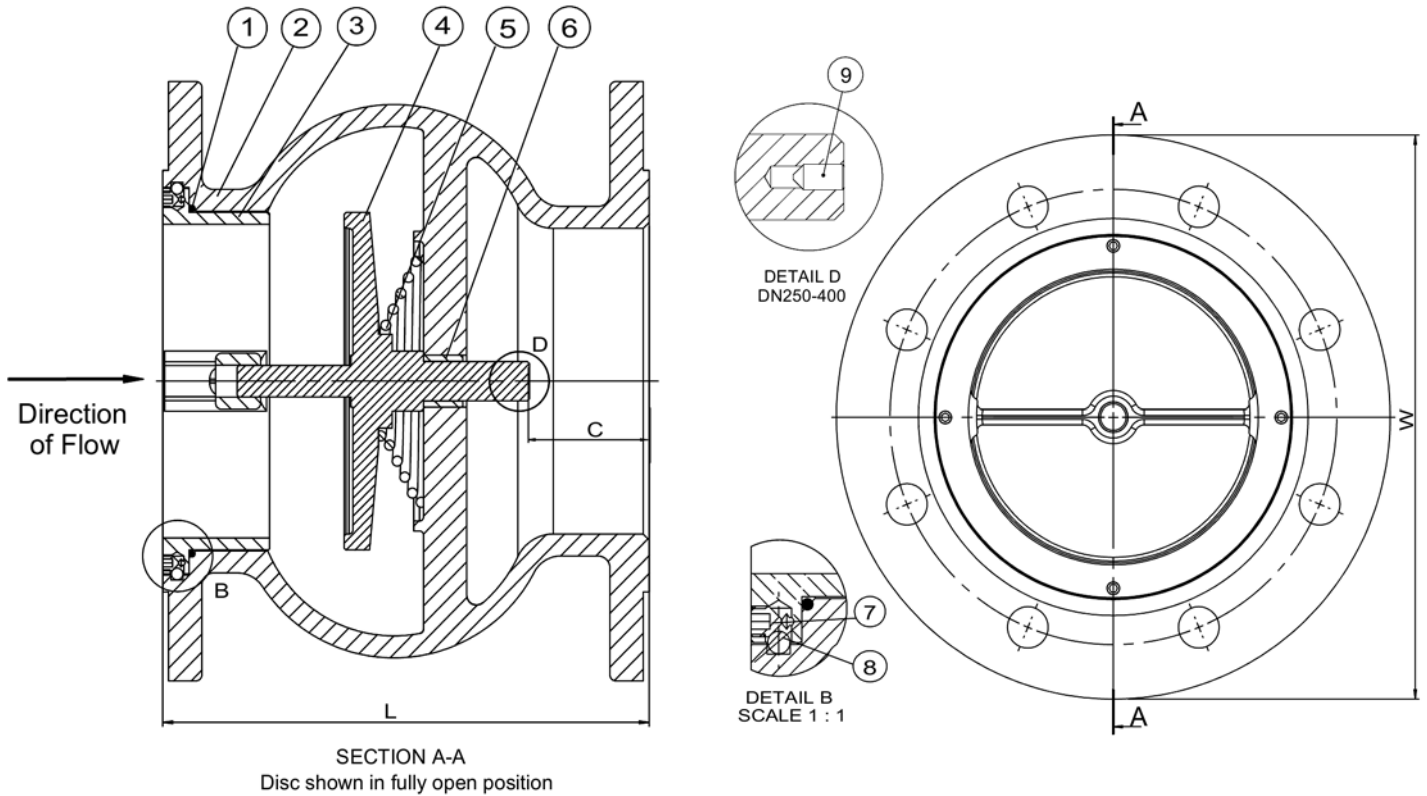
- The combination of light disc, short stroke distance and fast closing spring design effectively mitigates slamming
- Streamlined contour for low head loss
- The special metal seat design ensures quick and easy trim replacement
- Disc in cast, stainless steel 1.4308/CF8 (304), trim in AISI 304
- 250µm blue RAL 5017 fusion bonded epoxy coating on both external and internal surfaces
- On sizes DN200 and below the design allows for installation of a butterfly valve at the outlet without additional adapters; cf. measure reference C



**AVK SILENT CHECK VALVE, PN25**

**903/20-002**

**Metal seated, flanged, EN1092, 304 trim/disc, 250µm blue EP coating**



**Component list:**

1. O-ring	EPDM rubber	6. Bush	Stainless steel 316
2. Body	Ductile iron GJS-500-7 (GGG-50)	7. Bolt	Stainless steel A2
3. Seat	Stainless steel 1.4308 (CF8), cast	8. Retainer ball	Stainless steel 304
4. Disc	Stainless steel 1.4308 (CF8), cast	9. Bolt	Stainless steel A4
5. Spring	Stainless steel 1.4301		

Components may be substituted with equivalent or higher class materials without prior notification.

\* "Item 9" is available for DN250-DN400

**Reference nos. and dimensions:**

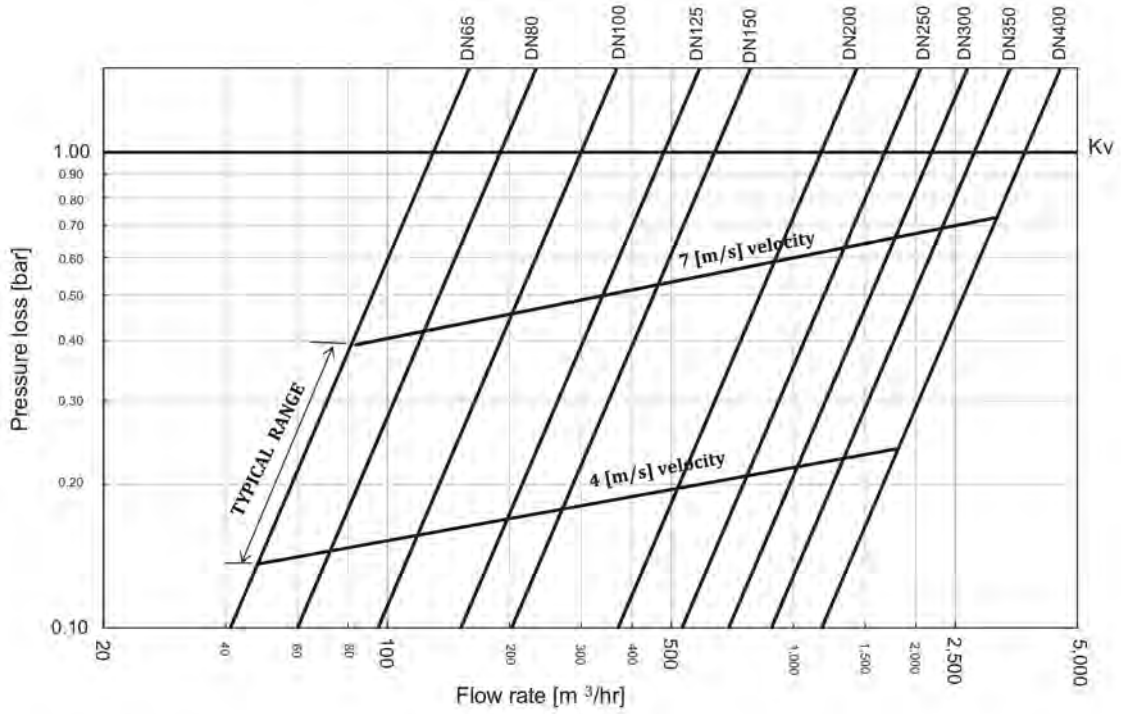
AVK ref. no.	DN	Flange	L	W	C	Theoretical weight/kg
	mm	drilling	mm	mm	mm	
903-065-20-71000	65	PN25	140	185	27.5	8.0
903-080-20-71000	80	PN25	152	200	35.5	9.0
903-100-20-71000	100	PN25	184	235	46	15
903-125-20-71000	125	PN25	216	270	51	21
903-150-20-71000	150	PN25	248	300	61	31
903-200-20-71000	200	PN25	317	360	84	51
903-250-20-71000	250	PN25	394	440	118	77
903-300-20-71000	300	PN25	362	500	16	97
903-350-20-71000	350	PN25	400	580	35.5	158
903-400-20-71000	400	PN25	448	635	50	208

**AVK SILENT CHECK VALVE, PN25**

**903/20-002**

**Metal seated, flanged, EN1092, 304 trim/disc, 250µm blue EP coating**

Flow/Pressure Drop Chart - Silent Check Valve (Water)



These charts are based on the flow of clean water at ambient temperature 20° C.



## AVK FLANGED BALL CHECK VALVE, PN 10/16

53/35-003

Ductile iron

AVK ball check valves are self-cleaning and with full bore. The ball rotates during operation eliminating the risk of impurities getting stuck on the ball. The full and smooth bore ensures full flow with low pressure loss and eliminates the risk of deposits at the bottom. AVK ball check valves are available with flanges and internal threads. They are delivered with NBR lined ball as standard and optionally with ball of polyurethane available in different weights.

### Product description:

Ball check valve with flanges for wastewater treatment and neutral liquids to max. 70° C

### Standards:

- Designed according to EN 12050-4
- Face to face according to DIN 3202 - F6
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

### Test/Approvals:

- Hydraulic test according to EN12050-4
- Approved according to LGA Certificate No. 57214158

### Features:

- Self-cleaning construction, where the ball rotates during operation eliminating the risk of impurities getting stuck on the ball.
- Full bore ensures low pressure loss and minimum back pressure.
- Smooth bore eliminates the risk of deposits at the bottom.
- NBR lined ball of aluminium in DN 50-100 and 500 and of cast iron in DN 125-400. The rubber hardness is optimised to prevent the ball from getting stuck in the seat. In DN 600 the ball is of aluminium with PUR liner.
- The ball is optionally available in polyurethane suitable for abrasive media and if different ball weights are necessary to prevent vibration and water hammer.
- Compact design and low weight.
- Bolts and nuts of stainless steel and body and cover of ductile iron with epoxy coating internally and externally.

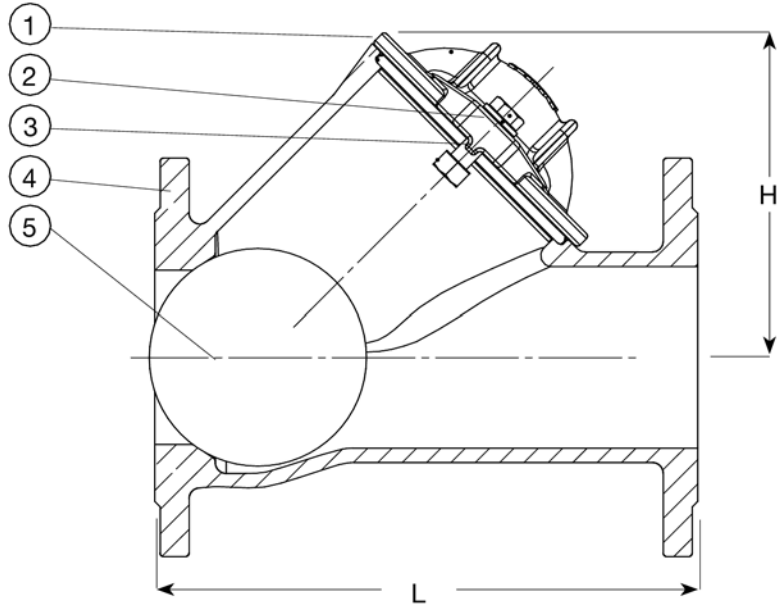


Expect... **AVK**

**AVK FLANGED BALL CHECK VALVE, PN 10/16**

**53/35-003**

Ductile iron



**Component list:**

1. Cover	Ductile iron GJS-400-15 (GGG-40)	4. Body	Ductile iron GJS-400-15 (GGG-40)
2. Bolt/nut/washer	Stainless steel A2	5. Ball	Alu or CI with NBR-liner
3. Gasket	NBR rubber		

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H mm	Theoretical weight / kg
53-050-35-1007	50	PN10/16	200	101	7.5
53-065-35-1007	65	PN10/16	230	148	10
53-080-35-1007	80	PN10/16	260	148	12
53-100-35-1007	100	PN10/16	300	182	16
53-125-35-1007	125	PN10/16	350	251	35
53-150-35-1007	150	PN10/16	400	251	32
53-200-35-0007	200	PN10	500	333	68
53-200-35-1007	200	PN16	500	333	68
53-250-35-0007	250	PN10	600	406	112
53-250-35-1007	250	PN16	600	406	112
53-300-35-0007	300	PN10	700	480	163
53-300-35-1007	300	PN16	700	480	163
53-350-35-0007	350	PN10	800	571	289
53-350-35-1007	350	PN16	800	571	289
53-400-35-0007	400	PN10	900	657	416
53-400-35-1007	400	PN16	900	657	416
53-500-35-0007 <sup>(1)</sup>	500	PN10	1100	930	712
53-600-35-0207 <sup>(2)</sup>	600	PN10	1300	1010	1200

(1) Approximate LGA test

(2) Approximate LGA test. Supplied with PUR lined ball as standard





## AVK SWING CHECK VALVE, RESILIENT SEATED, PN10/16

41/20-001

Right side free shaft end, DN50-300

AVK series 41 swing check valves come with both metal and resilient seats. Installed in pumping applications to prevent back flow they can be used for drinking water as well as waste water. The disc is connected to the shaft via a flexible bush that allows disc and valve seat to adjust exactly. All interior parts are stainless steel or coated with drinking water approved epoxy or EPDM. The series 41 valves are available with either closed bushings or protruding shaft end where a lever with a weight or a spring can be fitted to mitigate pressure surges.

### Product description:

Resilient seated swing check valve with free shaft end. For drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 1074 - 3
- Face to face according to EN 558 Table 2 Basic Series 10
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

### Features:

- Resilient seat provides a drop tight closure and due to the light weight it requires a minimum of force to open/close
- Shaft fitted in the bonnet allowing for easy maintenance without removing valve from pipeline
- Shaft material 1.4021 AISI (320) stainless steel
- Free protruding shaft end for mounting of lever and weight or spring to assist valve closing and avoid water hammer
- Hinge of stainless steel for sizes  $\leq$  DN 200; ductile iron coated with drinking water approved epoxy for larger
- Bonnet gasket in a groove between bonnet and body to prevent blow-out
- All seals and coatings with contact to the fluid are approved for drinking water - coating is blue, 250 $\mu$ m fusion bonded epoxy
- Disc is designed with a steel or ductile iron insert fully vulcanized with EPDM rubber
- Bosses on each side of the valve seat allow for installation of pressure gauge, by-pass, etc.

### Accessories:

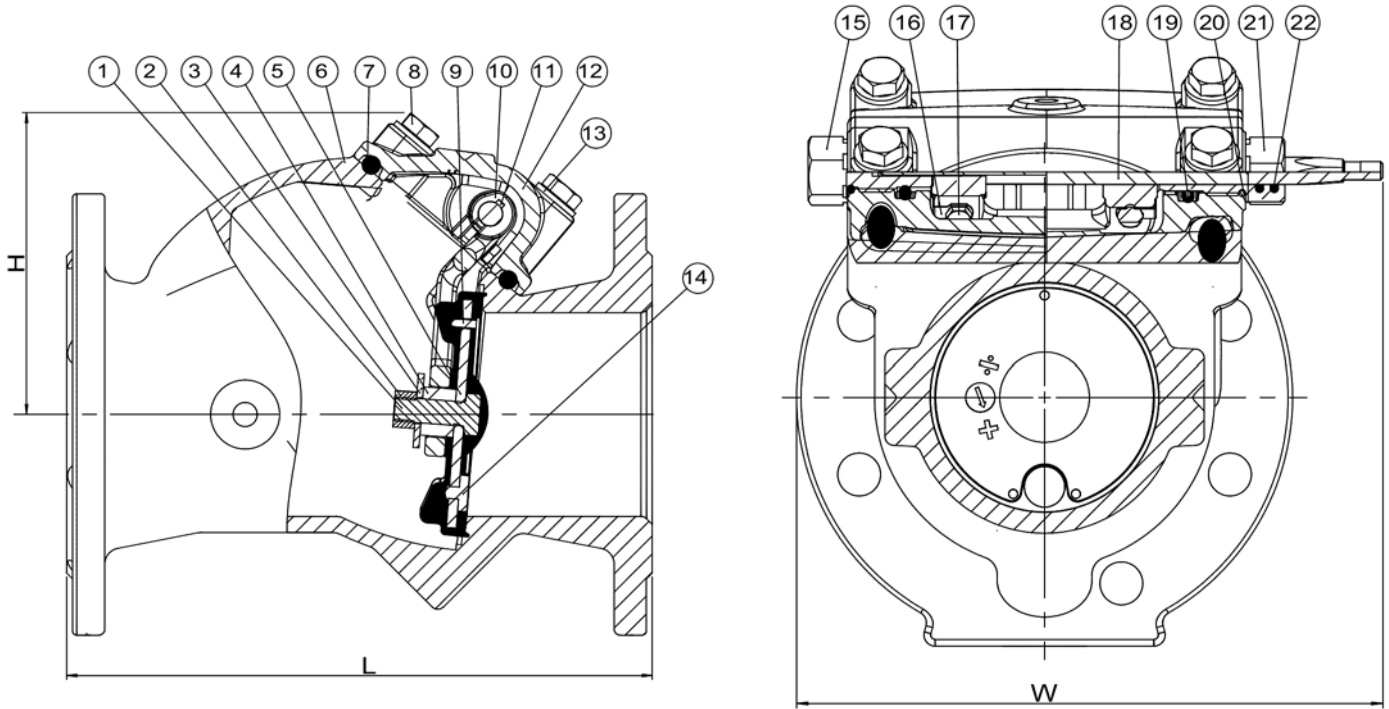
Lever and weight/spring, lever protection guard, proximity switch, combi-flanges, flange adaptors.



**AVK SWING CHECK VALVE, RESILIENT SEATED, PN10/16**

**41/20-001**

Right side free shaft end, DN50-300



**Component list:**

1. Bolt	Stainless steel A4	12. Bonnet	Ductile iron GJS-500-7 (GGG-50)
2. Nut	Stainless steel A2	13. Washer	Stainless steel A4
3. Washer	Stainless steel A4	14. Thrust plate	Stainless steel
4. Bushing	Polyamide	15. Bushing, closed	Brass, DZR
5. Disc	Steel / EPDM	16. Tab washer	Stainless steel A4
6. Body	Ductile iron GJS-500-7 (GGG-50)	17. Bolt	Stainless steel A4
7. Gasket	EPDM rubber	18. Shaft	Stainless steel 420
8. Bolt	Stainless steel A2	19. O-ring	EPDM rubber
9. Pin	Stainless steel A4	20. O-ring	EPDM rubber
10. Hinge	Stainless steel 316	21. Bushing, open	Brass, DZR
11. Key	Stainless steel A4	22. O-ring	EPDM rubber

Components may be substituted with equivalent or higher class materials without prior notification.  
Item 10: Ductile iron for DN ≥ 250

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H mm	W mm	Theoretical weight / kg
41-050-20-018	50	PN10/16	203	110	233	13
41-080-20-018	80	PN10/16	241	140	233	20
41-100-20-018	100	PN10/16	292	150	256	26
41-150-20-018	150	PN10/16	356	195	334	51
41-200-20-008	200	PN10	495	230	386	83
41-200-20-018	200	PN16	495	230	386	83
41-250-20-008	250	PN10	622	270	692	183
41-250-20-018	250	PN16	622	270	692	183
41-300-20-008	300	PN10	698	300	692	231
41-300-20-018	300	PN16	698	300	692	231



## AVK SWING CHECK VALVE,METAL SEAT

SS 201 shaft,DN15-50

Swing check valve come with both metal seats.Installed in pumping applications to prevent back flow they can be used for drinking water as well as waste water.All interior parts are stainless steel.

### Product description:

AVK Metal seated swing check valve for drinking water and neutral liquids to max.70 °C

### Test/Approvals:

- Hydraulic test according to EN 1074-3
- Seat:1.1xPN(in bar),Body:1.5xPN(in bar)

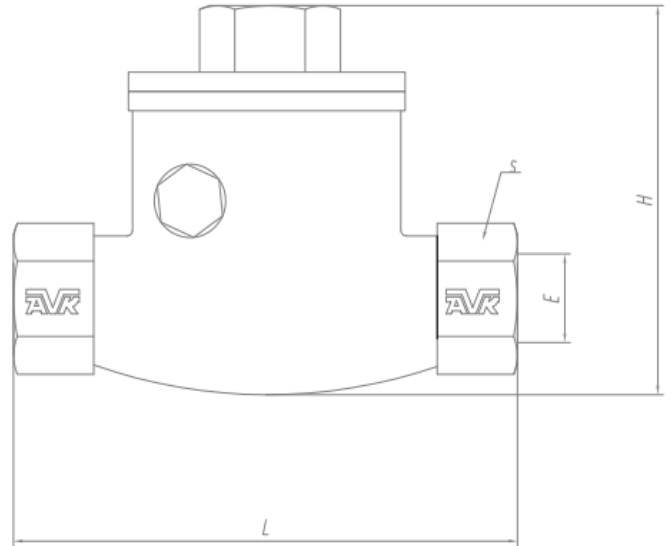
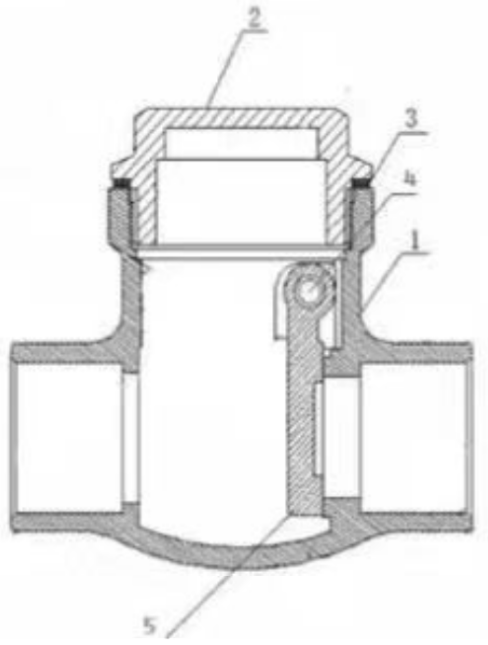
### Features:

- Stainless steel body
- Metal seat for high durability
- Shaft fitted in the bonnet allowing for easy maintenance
- Shaft,bolt and washers in stainless steel



## AVK SWING CHECK VALVE, METAL SEAT

SS 201 shaft, DN15-50



### Component list:

1.	Body	Stainless steel 304
2.	Bonnet	Stainless steel 304
3.	Sealing Gasket	PTFE
4.	Hinge Pin	Stainless steel 201
5.	Disc	Stainless steel 304

Components may be substituted with equivalent or higher class materials without prior notification.

### Reference nos. and dimensions:

DN	S	L	H	E/BSPT
mm	mm	mm	mm	
15	21	62	58	1/2
25	25	79	66	1
32	34	100	83	1-1/4
40	41	114	95	1-1/2
50	48	133	104	2



**AVK TWO-STAGE CHECK VALVE, PN16/25**

**869/30A1-V01**

**Full bore, SS-304/DI trim**

AVK series 869 diaphragm operated two-stage check valve is designed for installation in a pipeline downstream of the pump. In case of a sudden pump stop the valve in the first stage momentarily closes almost completely and then, to avoid water hammer, slowly closes completely in the second stage dampened sequence.

**Product description:**

Two-stage dampened check valve, for drinking water or other neutral liquids to max. 70°C

**Design standards:**

- EN 1074-5
- Face-to-face dimension according to EN 558 Table 2 Basic Series 1
- Flange drilling to EN1092, PN16/25
- CJ/T 167

**Features:**

- The quick reaction and slow completion of the closing mitigates water hammer and protects the piping system
- Non-symmetric axial position of the rubber diaphragm results in low stretch stress when closed
- Body and bonnet of ductile iron coated with 300µm blue RAL5017 fusion bonded epoxy, applied in a GSK approved process according to DIN 3476 and approved by WRAS and DVGW/W270/UBA
- All rubber parts approved for drinking water
- All non-coated internal parts in stainless steel or bronze
- Fasteners in stainless steel, A2
- Three needle valves fitted between the piping and the control chamber allow for adjustment of the reaction speed of both opening and closing
- Closing the needle valves and the ball valves isolates the filters allowing for service

**Accessories:**

Pressure gauge, visual position indicator, SCADA position indicator

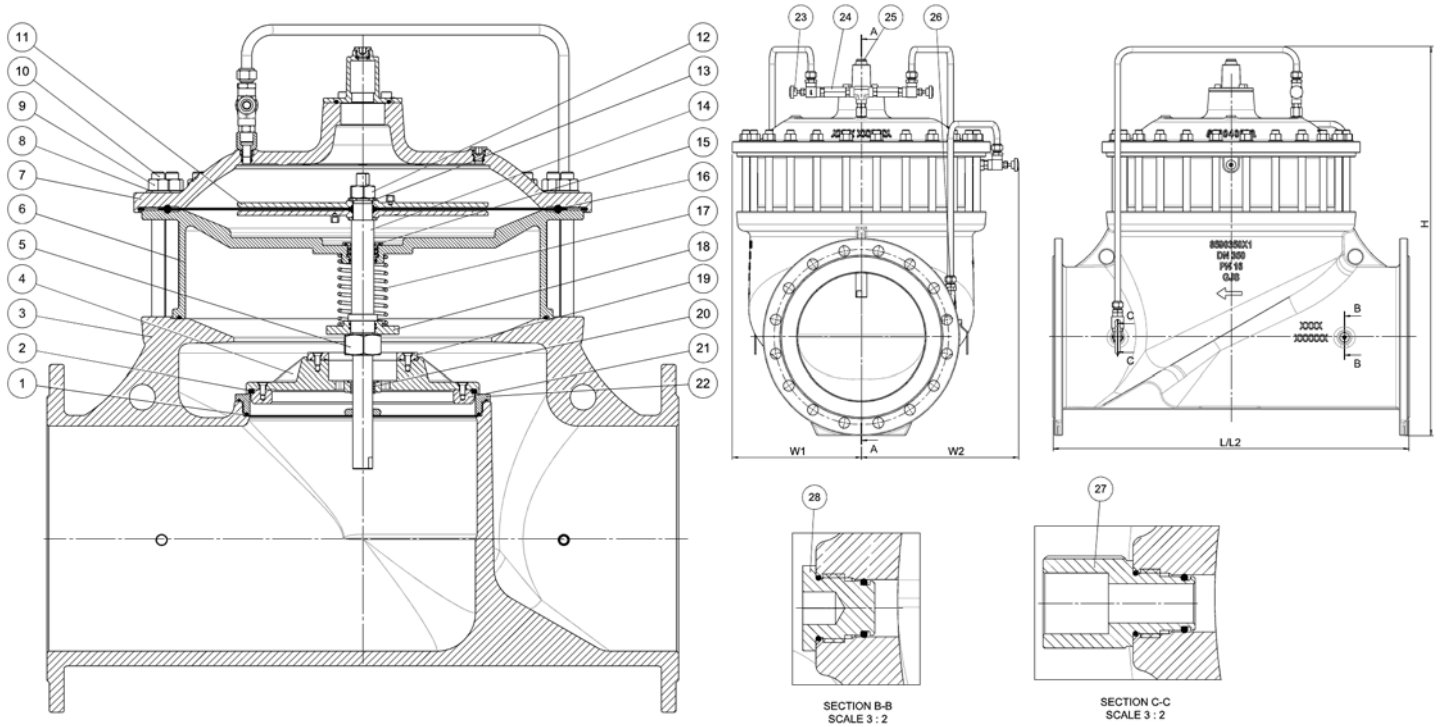




**AVK TWO-STAGE CHECK VALVE, PN16/25**

**869/30A1-V01**

Full bore, SS-304/DI trim



**Component list:**

1. O-ring	EPDM rubber	15. Stem guide	Stainless steel AISI 304
2. Plug sealing	EPDM rubber	16. Diaphragm	EPDM rubber
3. Body	Ductile iron GJS-500-7 (GGG-50)	17. Spring	Stainless steel AISI 304
4. Disc retainer	Ductile iron GJS-500-7 (GGG-50)	18. Disc	Stainless steel AISI 304
5. Nut	Stainless steel A2	19. Seat	Stainless steel AISI 304
6. Intermediate chamber	Ductile iron GJS-500-7 (GGG-50)	20. Bush	Stainless steel A2
7. Bonnet	Ductile iron GJS-500-7 (GGG-50)	21. Regulating plug	Stainless steel AISI 304
8. Washer	Stainless steel A2	22. Seat	Stainless steel AISI 304
9. Nut	Stainless steel A2	23. Needle valve	Stainless steel AISI 304
10. Bolt	Stainless steel A2	24. Check valve	Stainless steel AISI 304
11. Diaphragm support	Ductile iron GJS-500-7 (GGG-50)	25. Plug	Stainless steel AISI 304
12. Nut	Stainless steel A2	26. Filter	Stainless steel AISI 304
13. Washer	Bronze CC499K	27. Adaptor	Stainless steel AISI 304
14. Stem	Stainless steel AISI 431	28. Plug	Stainless steel AISI 304

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	H mm	L mm	W1 mm	W2 mm	Theoretical weight/kg
869-0150-30-13400A1	150	PN16	632	480	203	291	100
869-0200-30-13400A1	200	PN16	740	600	254	342	160
869-0250-30-13400A1	250	PN16	836	730	277	365	230
869-0150-30-73400A1	150	PN25	639	480	203	291	105
869-0200-30-73400A1	200	PN25	750	600	254	342	165
869-0250-30-73400A1	250	PN25	848	730	277	365	235



## AVK CUT-OFF VALVE

SS 1.4308 body. SS 201 shaft . DN20-50

AVK cut-off valves are designed for extended service life and easy operation .The seal is made of PTFE featuring an excellent compression set.

### Product description:

Cut-off valve with PTFE seat, for drinking water and nature liquids to max.70°C

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 /EN 12266

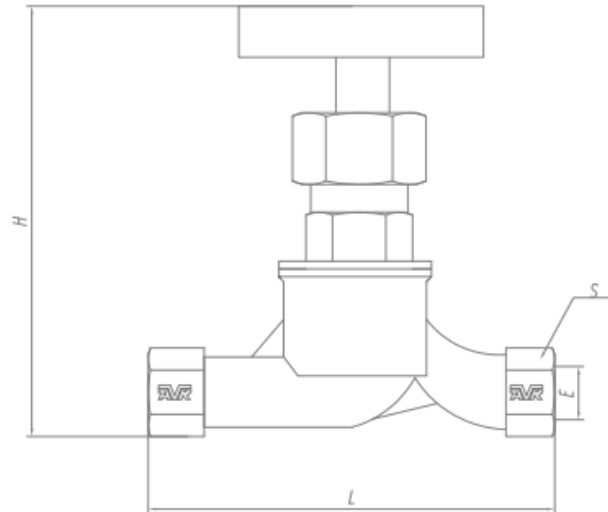
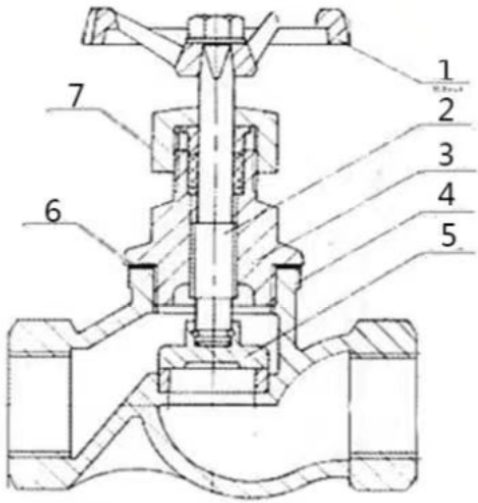
### Features:

- Stainless steel body
- Disc in stainless steel



## AVK CUT-OFF VALVE

SS 1.4308 body. SS 201 shaft . DN20-50



### Component list:

1.	Handwheel	Stainless steel 304
2.	Stem	Stainless steel 304
3.	Joint lever	Stainless steel 304
4.	Body	Stainless steel 304
5.	Disc	Stainless steel 304
6.	Coil	PTFE
7.	Nut	Stainless steel 201

Components may be substituted with equivalent or higher class materials without prior notification.

### Reference nos. and dimensions:

DN mm	S mm	L mm	H mm	E/BSPT mm
20	31	98.5	122	3/4
25	37	116	133	1
32	46	133	157	1-1/4
40	53	165	180	1-1/2
50	65	189	196	2



## AVK Y-STRAINER, PN 16

910/XX-V03

SS 1.4301 (304) screen, A2 bolts, A2 plug, high temp. O-ring

Y-Strainers are used to protect other equipment from small amounts of dirt, pebbles and impurities in water systems up to 130° C. They are designed with focus on stability, easy maintenance and low head loss.

### Product description:

Y-strainer with SS screen for HVAC applications to max. 130°C

### Standards:

- Face-to-face dimension according to EN 558 Table 2
- Flange drilling to EN1092, PN10/16

### Test/Approvals:

- Hydraulic pressure tested to 1.5 X PN

### Features:

- Face to face: DN50-150 and DN350-600 according to EN 558 ser. 4, DN200-300 according to EN558 series 7
- The position of the drain plug enables full drainage without removing the lid
- Quick removal of lid for maintenance
- Lifting eye from DN100 for easy handling
- Nuts are fixed in cast slots to prevent corrosion of threads
- Screen of stainless steel in robust one-piece design
- High temperature rubber 130° C
- Optional pressure transmitter ports for measuring differential pressure

### Accessories:

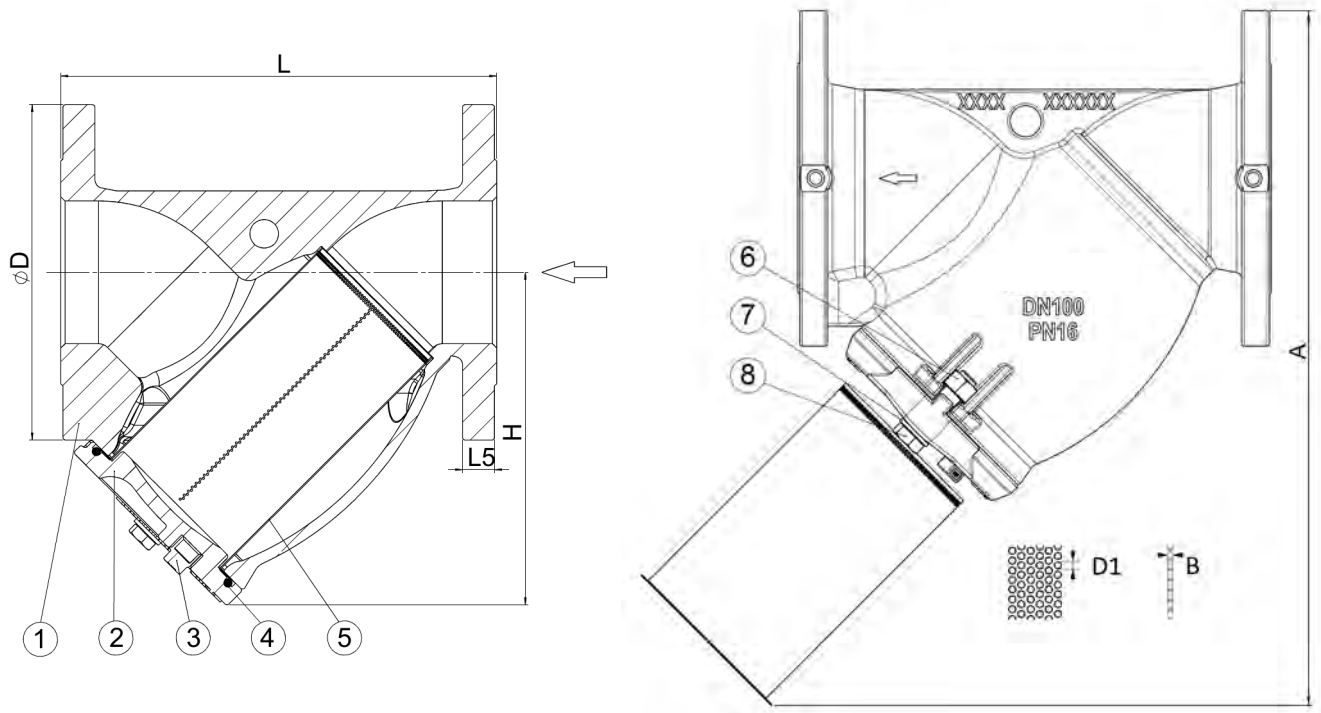
Screen in stainless steel AISI 1.4308.



**AVK Y-STRAINER, PN 16**

**910/XX-V03**

SS 1.4301 (304) screen, A2 bolts, A2 plug, high temp. O-ring



**Component list:**

1. Body	Stainless steel 304	5. Screen	Stainless steel 304
2. Cap	Stainless steel 304	6. Nut	Stainless steel A2
3. Drain plug	Stainless steel A2	7. Washer	Stainless steel A2
4. O-ring	EPDM, high temp.	8. Bolt	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	D mm	L5 mm	H mm	A mm	D1 mm	B mm	R	Theoretical weight/kg
910-0050-XX-011020036	50	PN10/16	216	165	19	129	290	1.5	0.8	3.481	8.3
910-0065-XX-011020036	65	PN10/16	241	185	19	158	350	1.5	0.8	3.396	11
910-0080-XX-011020036	80	PN10/16	283	200	19	187	407	1.5	0.8	3.341	14
910-0100-XX-011020036	100	PN10/16	305	220	19	230	489	1.5	0.8	3.293	18
910-0125-XX-011020036	125	PN10/16	381	250	19	260	545	2	0.8	3.262	26
910-0150-XX-011020036	150	PN10/16	403	285	19	307	645	2	0.8	3.343	35
910-0200-XX-011020036	200	PN16	521	340	20	402	831	2.5	0.8	3.343	60
910-0250-XX-011020036	250	PN16	635	405	22	484	996	2.7	0.8	3.121	97
910-0300-XX-011020036	300	PN16	749	460	24.5	576	1178	2.7	0.8	3.125	142
910-0350-XX-011020036	350	PN16	762	520	26.5	660	1230	2.7	1.2	2.022	170
910-0350-XX-311020036	350	PN10	762	520	26.5	660	1230	2.7	1.2	2.022	170
910-0400-XX-011020036	400	PN16	838	580	28	740	1390	2.7	1.2	2.034	227
910-0400-XX-311020036	400	PN10	838	580	28	740	1390	2.7	1.2	2.034	227
910-0450-XX-011020036	450	PN16	914	640	30	810	1550	3.2	1.5	2.018	290
910-0450-XX-311020036	450	PN10	914	640	30	810	1550	3.2	1.5	2.018	290
910-0500-XX-011020036	500	PN16	991	715	31.5	883	1690	3.2	1.5	2.008	373
910-0500-XX-311020036	500	PN10	991	715	31.5	883	1690	3.2	1.5	2.008	373
910-0600-XX-011020036	600	PN16	1143	840	36	1020	1990	3.2	1.5	2.015	572
910-0600-XX-311020036	600	PN10	1143	840	36	1020	1990	3.2	1.5	2.015	572



**AVK Y-STRAINER, PN 16**

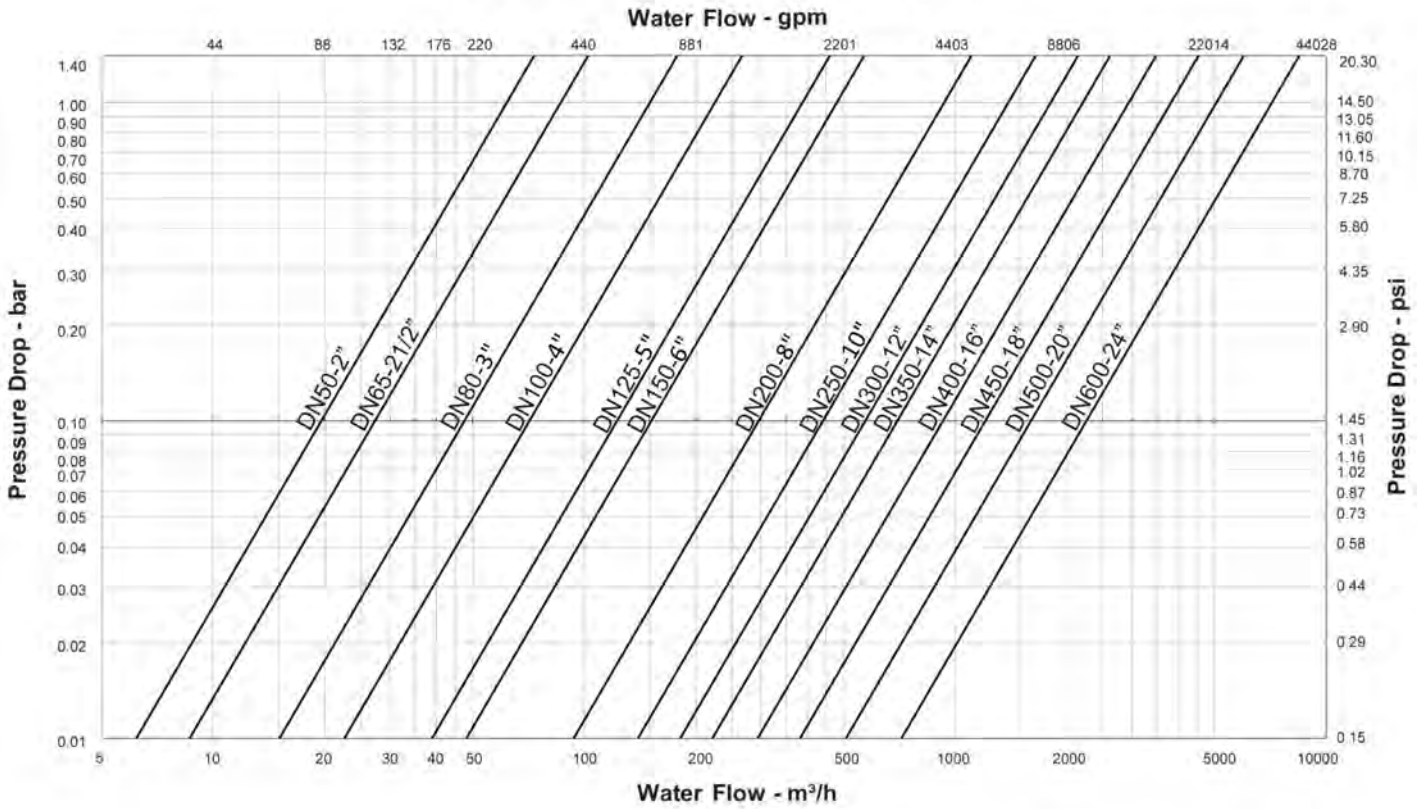
**910/XX-V03**

SS 1.4301 (304) screen, A2 bolts, A2 plug, high temp. O-ring

**Comments:**

Open area ratio, R: Sum of open area in the screen divided by area of the bore in nominal pipe diameter.

**Flow/pressure drop - clean strainer ( 20°C )**





**AVK Y-STRAINER, PN 16**  
**SS 1.4301 (304) screen, A2 plug and fasteners**

**910/21-001**

The Y-strainers are installed in water systems to filter out grit, pebbles and other impurities that could damage the equipment. They are designed with focus on easy maintenance and low head loss.

**Product description:**

Y-strainer with SS screen for drinking water, HVAC and other neutral liquids to max. 130°C

**Design standards:**

- Face-to-face dimension according to EN 558 Table 2
- Flange drilling to EN1092, PN10/16

**Test/Approvals:**

- Hydraulic pressure tested to 1.5 X PN

**Features:**

- Face to face: DN50-150 and DN350-600 according to EN 558 ser. 4, DN200-300 according to EN558 series 7
- The position of the drain plug enables full drainage without removing the lid
- Quick removal of lid for maintenance
- Lifting eye from DN 100 for easy handling
- Nuts are fixed in cast slots to prevent corrosion of threads
- Screen of stainless steel in robust one-piece design
- Drinking water approved, high temperature EPDM O-ring for use in drinking water and HVAC
- Fusion bonded epoxy coating, 250µm
- Optional pressure transmitter ports for measuring differential pressure

**Accessories:**

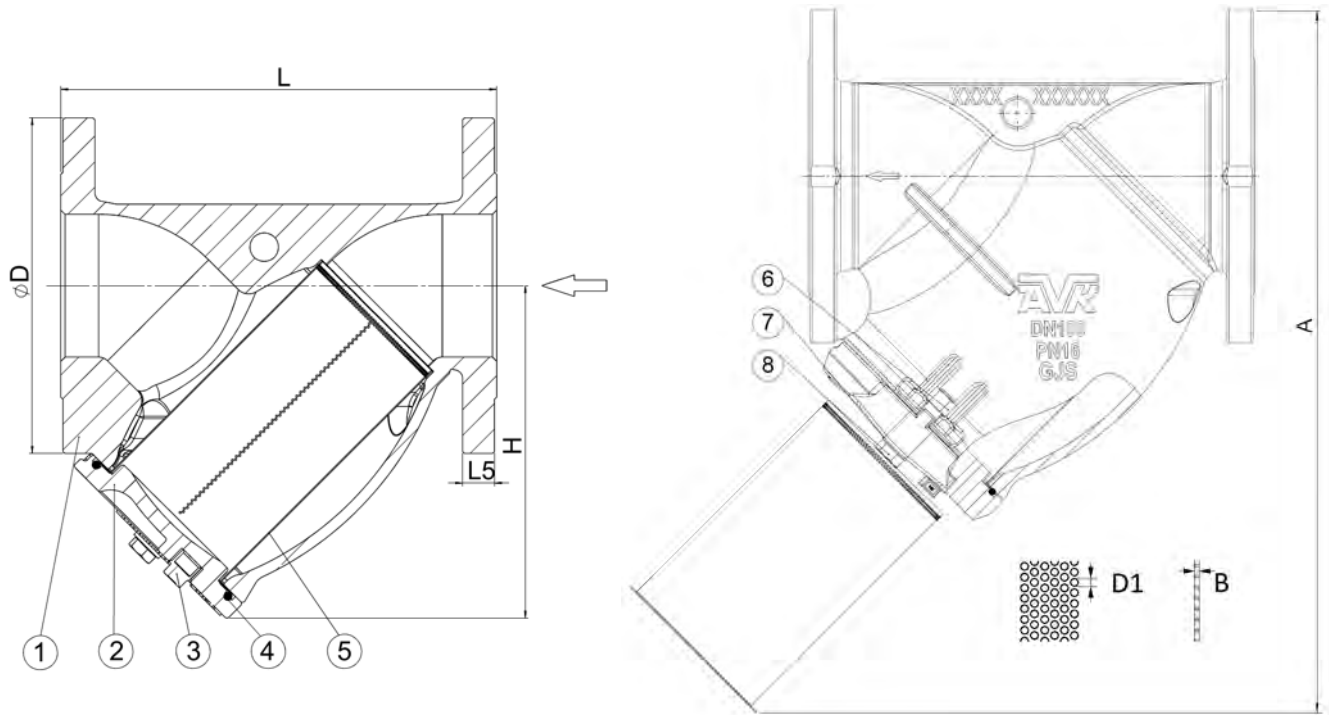
Screen in stainless steel 1.4401 (AISI 316)



**AVK Y-STRAINER, PN 16**

910/21-001

SS 1.4301 (304) screen, A2 plug and fasteners



**Component list:**

1. Body	Ductile iron GJS-450-10	5. Screen	Stainless steel A2
2. Cap	Ductile iron GJS-450-10	6. Nut	Stainless steel A2
3. Drain plug	Stainless steel A2	7. Washer	Stainless steel A2
4. O-ring	EPDM, high temp.	8. Bolt	Stainless steel A2

Components may be substituted with equivalent or higher class materials without prior notification.

**AVK Y-STRAINER, PN 16**

**910/21-001**

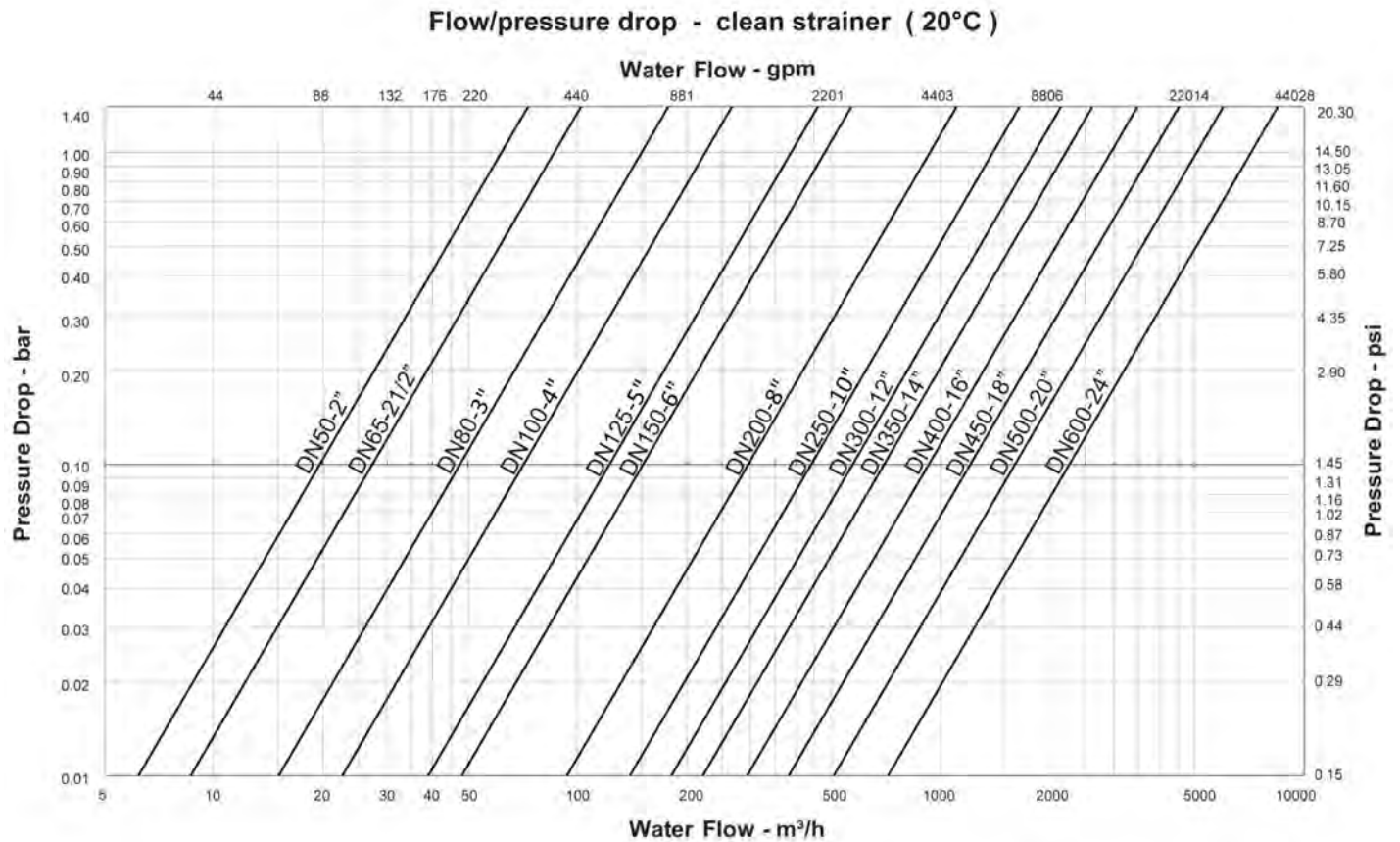
SS 1.4301 (304) screen, A2 plug and fasteners

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	D mm	L5 mm	H mm	A mm	D1 mm	B mm	R mm	Thread	Theoretical weight/kg
910-0050-21-011020004	50	PN10/16	216	165	19	128	291	1.5	0.8	3.481	½"	8.3
910-0065-21-011020004	65	PN10/16	241	185	19	161	353	1.5	0.8	3.396	½"	11
910-0080-21-011020004	80	PN10/16	283	200	19	191	411	1.5	0.8	3.341	½"	14
910-0100-21-011020004	100	PN10/16	305	230	19	234	499	1.5	0.8	3.293	½"	18
910-0125-21-011020004	125	PN10/16	381	250	19	260	554	2	0.8	3.262	¾"	26
910-0150-21-011020004	150	PN10/16	403	285	19	310	645	2	0.8	3.343	¾"	35
910-0200-21-011020004	200	PN16	521	340	20	402	831	2.5	0.8	3.343	¾"	60
910-0200-21-311020004	200	PN10	521	340	20	402	831	2.5	0.8	3.343	¾"	60
910-0250-21-011020004	250	PN16	635	405	22	484	996	2.7	0.8	3.121	1"	97
910-0250-21-311020004	250	PN10	635	405	22	484	996	2.7	0.8	3.121	1"	97
910-0300-21-011020004	300	PN16	749	485	24.5	576	1178	2.7	0.8	3.125	1"	142
910-0300-21-311020004	300	PN10	749	485	24.5	576	1178	2.7	0.8	3.125	1"	142
910-0350-21-011020004	350	PN16	762	520	26.5	660	1230	2.7	1.2	2.022	1"	170
910-0350-21-311020004	350	PN10	762	520	26.5	660	1230	2.7	1.2	2.022	1"	170
910-0400-21-011020004	400	PN16	838	580	28	740	1390	2.7	1.2	2.034	1"	227
910-0400-21-311020004	400	PN10	838	580	28	740	1390	2.7	1.2	2.034	1"	227
910-0450-21-011020004	450	PN16	914	640	30	820	1550	3.2	1.5	2.018	1"	290
910-0450-21-311020004	450	PN10	914	640	30	820	1550	3.2	1.5	2.018	1"	290
910-0500-21-011020004	500	PN16	991	715	31.5	883	1690	3.2	1.5	2.008	1"	373
910-0500-21-311020004	500	PN10	991	715	31.5	883	1690	3.2	1.5	2.008	1"	373
910-0600-21-011020004	600	PN16	1143	840	36	1020	1990	3.2	1.5	2.015	1"	572
910-0600-21-311020004	600	PN10	1143	840	36	1020	1990	3.2	1.5	2.015	1"	572

**Comments:**

Open area ratio, R: Sum of open area in the screen divided by area of the bore in nominal pipe diameter.  
Thread refers to the drain plug





## AVK Y-STRAINER,PN16

SS 1.4308 body DN15-50

The Y-strainers are installed in water systems to filter out grit, pebbles and other impurities that could damage the equipment. They are designed with focus on easy maintenance and low head loss.

### Product description:

Y-strainer with SS screen for drinking water and other neutral liquids to max .130°C

### Standards:

- Flange drilling to EN1092,PN10/16

### Test/Approvals:

- Hydraulic pressure tested to 1.5XPN

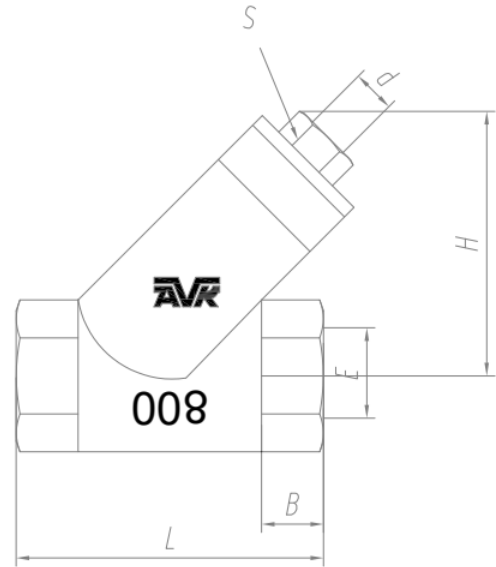
### Features:

- Quick removal of lid for maintenance
- Stainless steel body
- Screen of stainless steel in robust one-piece design



**AVK Y-STRAINER,PN16**

SS 1.4308 body DN15-50



**Component list:**

1.	Sealing Ring	PTFE
2.	Body	Stainless steel 304
3.	Screen	Stainless steel 304
4.	Bonnet	Stainless steel 304

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

DN	d	L	E	H	S	E/BSPT
mm	mm	mm	mm	mm	mm	
15	15	60	13	40	19	1/2
20	20	72	15	50	19	3/4
25	25	86	16.5	65	32	1
32	32	93	15	70	27	1-1/4
40	40	107	18.5	80	30	1-1/2
50	50	124.5	17	100	33	2





## AVK 3-PIECES BALL VALVE

SS 1.4308 body . PN16

AVK ball valves are designed for extended service life and easy operation. The seal is made of PTFE featuring an excellent compression set. The valves are suitable for bi-directional application.

### Product description:

Ball valve with PTFE seat, for drinking water and neutral liquids to max. 70°C

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN12266

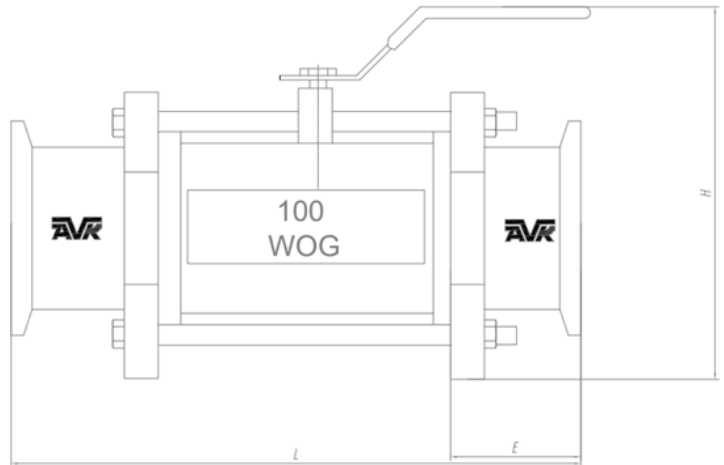
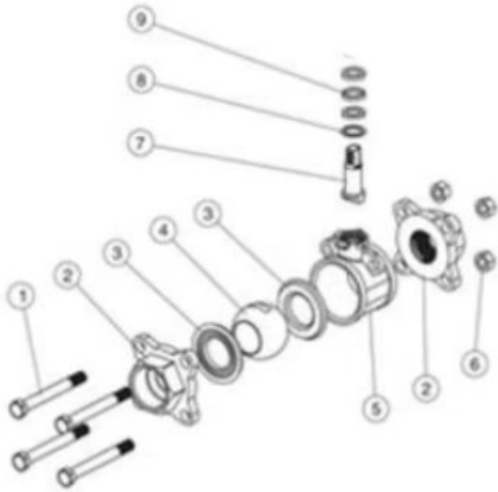
### Features:

- Stainless steel body
- Seal profile ensure low closing torque
- All fasteners in stainless steel



## AVK 3-PIECES BALL VALVE

SS 1.4308 body . PN16



### Component list:

1.	Joint lever	Stainless steel 304
2.	Bonnet	Stainless steel 304
3.	Sealing Gasket	PTFE
4.	Ball	Stainless steel 304
5.	Body	Stainless steel 304
6.	Nut	Stainless steel 201
7.	Stem	Stainless steel 201
8.	Sealing	PTFE
9.	Nut	Stainless steel 201

Components may be substituted with equivalent or higher class materials without prior notification.

### Reference nos. and dimensions:

	L	H	E
	mm	mm	mm
	110.5	94	37



## AVK 2-PIECES BALL VALVE

SS 1.4308 body PN16 DN15-50

AVK ball valves are designed for extended service life and easy operation. The seal is made of PTFE an excellent compression set. The valves are suitable for bi-directional application

### Product description:

Ball valve with PTFE seat, for drinking water and neutral liquids to max. 70°C

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN12266

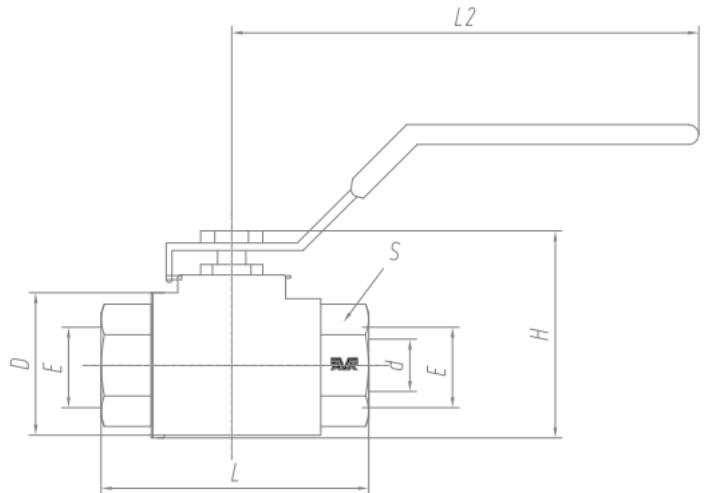
### Features:

- Stainless steel body
- Seal profile ensure low closing torque
- All fasteners in stainless steel



## AVK 2-PIECES BALL VALVE

SS 1.4308 body PN16 DN15-50



### Component list:

1. Sealing Ring	PTFE	10. Washer	Stainless steel 201
2. Ball	Stainless steel 304	11. Stem Nut	Stainless steel 201
3. Sealing Gasket	PTFE	12. Wrench Cover	Plastic
4. Bonnet	Stainless steel 304	13. Lever	Stainless steel 201
5. Body	Stainless steel 304		
6. Stem	Stainless steel 201		
7. Thrust washer	PTFE		
8. Sealing	PTFE		
9. Nut	Stainless steel 201		

Components may be substituted with equivalent or higher class materials without prior notification.

### Reference nos. and dimensions:

DN	d	D	L	L2	H	S
mm	mm	mm	mm	mm	mm	mm
15	15	33.5	57	92	56	24
20	20	40	60.5	102	63.3	30
25	25	47.5	65.2	106	69.5	36
32	32	60	83	120	94	46
40	40	70	93.5	145	108	53
50	50	86	107.6	160	120.8	63



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Expect... **AVR**