



## AVK KNIFE GATE VALVE, CTC

702/30-103

### Quick operation lever, replaceable top packing gland

AVK lug/wafer knife gate valves are bi-directional with full and plane bore. The protected sealings and high quality materials bring about a great performance and a long service life. AVK knife gate valves are available with lever, non-rising stem and handwheel, rising stem and handwheel, pneumatic actuator, ISO top flange for actuator or complete with electric actuator.

#### Product description:

Knife gate valve with quick operation lever for wastewater treatment 0°C to +80°C

#### Standards:

- Face to face according to DIN/EN 558-1, series 20 (K1)
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

#### Features:

- Replaceable top packing gland enables sealing replacement without disassembly of the valve
- The valve is self cleaning as particles will be pushed off the gate when opening the valve. For extra protection of the packing gland a scraper is available as an optional extra.
- Bi-directional, can be installed independent of the flow direction
- Full bore with no reduction of the flow
- Plane bottom prevents sediment from being accumulated
- No cavity in the body and thus no risk of clogging
- U-shaped one-piece NBR sealing between the body parts makes up for tolerances in coating and casting. It is reinforced with a steel insert to protect it from being damaged during operation.
- Encaged stem with yokes prepared for mounting of micro switches and inductive sensors
- Stem and gate connection is secured with self-locking nuts
- Supports integrated in the body casting protect the gate from deflecting under pressure
- Body of ductile iron with 150 µ fusion bonded epoxy coating. Optionally of acid-resistant stainless steel or duplex.
- Gate, stem, bolts and nuts of acid-resistant stainless steel
- Washers under the bolts protect the coating
- Slim design and low weight
- Approved according to the 97/23/CE European Pressure Equipment Directive
- Approved according to the 94/9/94EC, ATEX Directive
- Available in larger dimensions
- Optionally in higher PN class

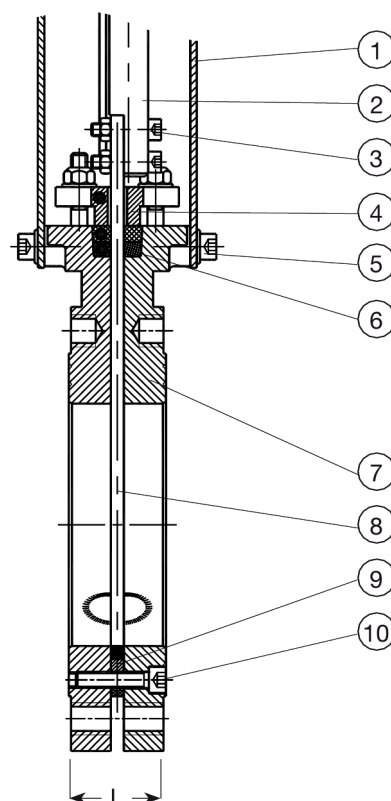
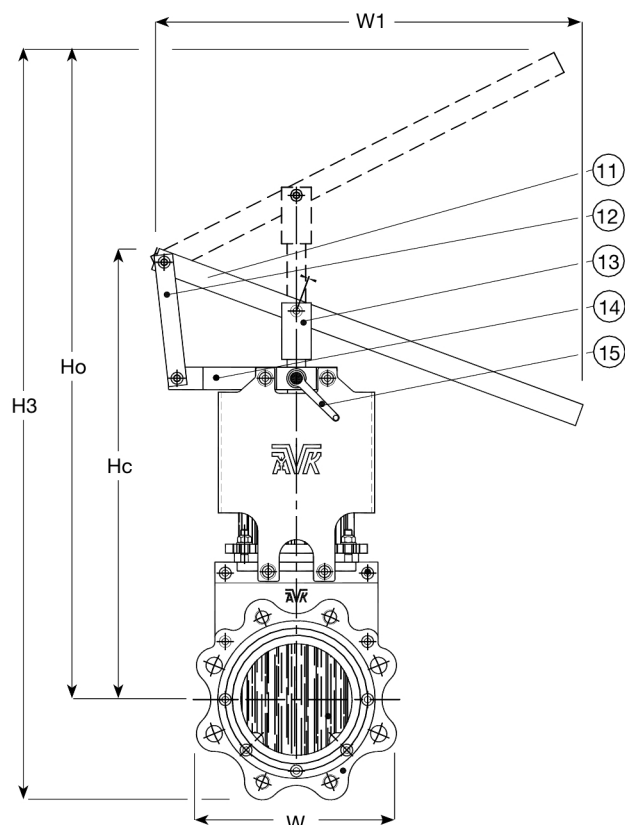


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## Component list:

1. Plate	Carbon steel, epoxy coated	9. U-shaped seal	Steel / NBR
2. Stem	Stainless steel 316	10. Bolt	Stainless steel A4
3. Bolt/nut	Stainless steel A4	11. Lever	Carbon steel, epoxy coated
4. Top packing gland	Ductile iron GJS-400-15 (GGG-40)	12. Guide	Carbon steel, epoxy coated
5. Bolt	Stainless steel A4	13. Drag link	Carbon steel, epoxy coated
6. Packing	NBR + PTFE	14. Lever bracket	Carbon steel, epoxy coated
7. Body	Ductile iron GJS-400-15 (GGG-40)	15. Lock	Steel
8. Gate	Stainless steel 316		

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

## Reference nos. and dimensions:

AVK ref. no.	DN	Flange	L	H3	W	W1	HC	HO	Test pressure	Working Pressure	Theoretical weight / kg
	mm	drilling	mm	mm	mm	mm	mm	mm	bar	bar	
702-050-30-134	50	PN10/16	43	687	130	402	363	592	10	5	7.0
702-065-30-134	65	PN10/16	46	792	143	503	395	720	10	5	9.0
702-080-30-134	80	PN10/16	46	910	183	601	431	758	10	5	15
702-100-30-134	100	PN10/16	52	933	202	703	475	831	10	5	17
702-125-30-134	125	PN10/16	56	1028	229	804	528	913	10	5	21
702-150-30-134	150	PN10/16	56	1297	267	1003	670	1162	10	5	28
702-200-30-034	200	PN10	60	1759	326	1304	733	1594	10	5	46