



## AVK KNIFE GATE VALVE, CTC

702/10-103

### Non-rising stem and handwheel, 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 non-rising stem and handwheel for wastewater treatment 0°C to +80°C

#### Standards:

- Face to face according to DIN/EN 558-1, series 20 (K1), up to and incl. DN 350
- 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

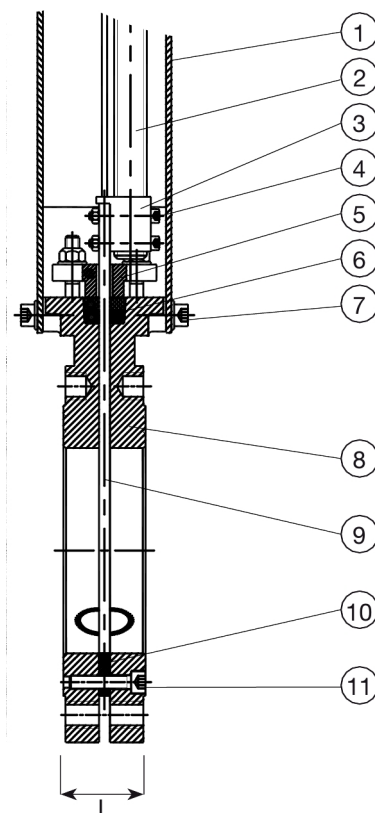
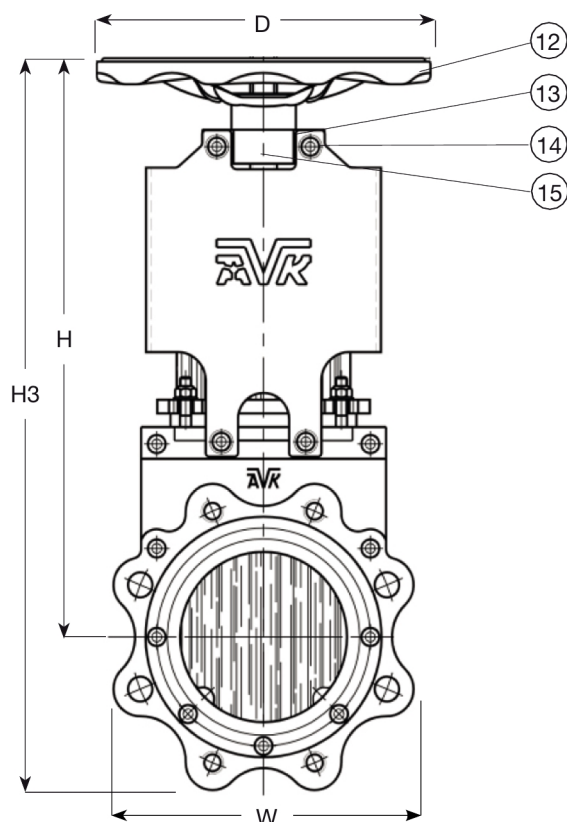


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## Component list:

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

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	H3 mm	D mm	Test pressure bar	Working Pressure bar	Theoretical weight / kg
702-050-10-134	50	PN10/16	43	292	356	175	15	10	6.0
702-065-10-134	65	PN10/16	46	317	388	175	15	10	7.0
702-080-10-134	80	PN10/16	46	361	451	225	15	10	13
702-100-10-134	100	PN10/16	52	396	496	225	15	10	15
702-125-10-134	125	PN10/16	56	432	545	225	15	10	19
702-150-10-134	150	PN10/16	56	523	658	300	15	10	26
702-200-10-034	200	PN10	60	623	789	300	15	10	43
702-250-10-034	250	PN10	68	729	928	300	15	10	58
702-300-10-034	300	PN10	78	858	1084	400	15	10	83
702-350-10-034	350	PN10	78	951	1208	400	9	6	107
702-400-10-034	400	PN10	90	1059	1321	400	9	6	140
702-450-10-034	450	PN10	90	1264	1547	500	6	4	240
702-500-10-034	500	PN10	95	1308	1631	500	6	4	260
702-600-10-034	600	PN10	105	1497	1910	500	6	4	340

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.