



AVK KNIFE GATE VALVE, PN10

702/70-103

Rising stem, replaceable top packing gland, AUMA actuator IP68

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 electric actuator for wastewater treatment 0°C to +80°C

Standards:

- Face-to-face dimension 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 100-150 µm UV resistant polyester coating, RAL 5017. Optionally of acid-resistant stainless steel or duplex
- Yokes of carbon steel with coating 100-150 µm of plascoat PPA 571 Aqua
- 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

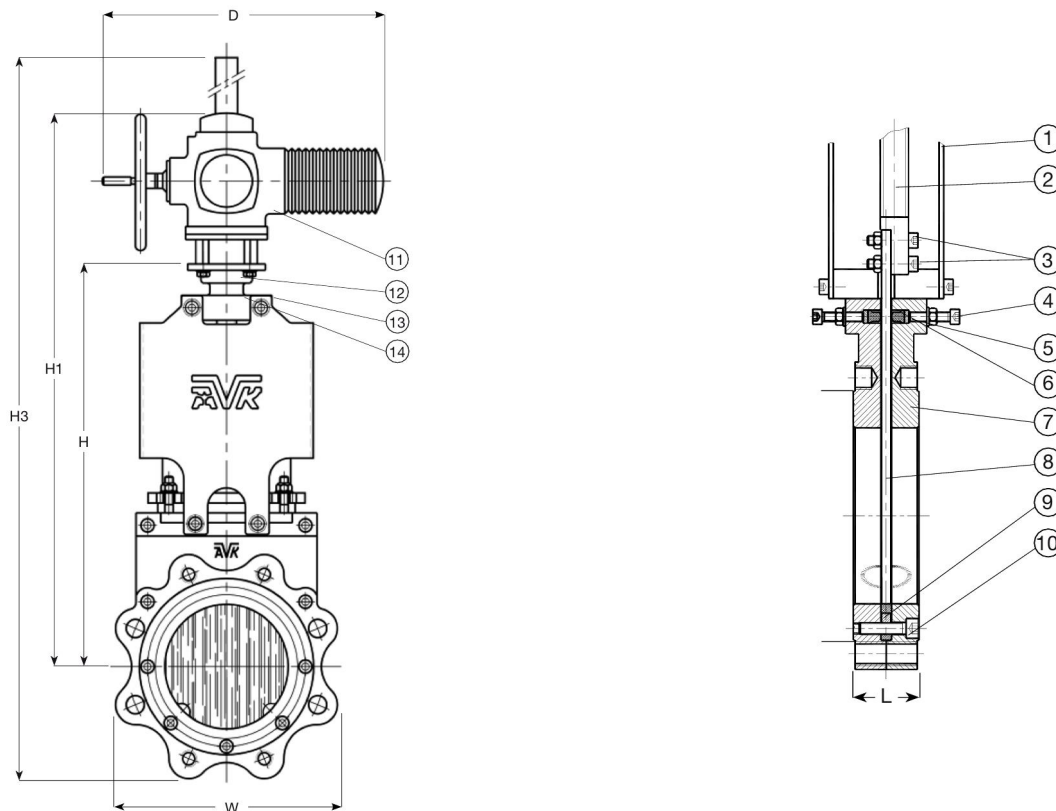


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Component list:

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

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	H1 mm	H3 mm	D mm	W mm	Test pressure bar	Working Pressure / bar	AUMA type no.	Theoretical weight/kg
702-050-70-134	50	PN10/16	43	300	588	653	514	131	15	10	SA 07.2	28
702-065-70-134	65	PN10/16	46	325	613	685	514	143	15	10	SA 07.2	30
702-080-70-134	80	PN10/16	46	357	645	737	514	184	15	10	SA 07.2	35
702-100-70-134	100	PN10/16	52	392	680	781	514	202	15	10	SA 07.2	38
702-125-70-134	125	PN10/16	56	428	716	831	514	230	15	10	SA 07.2	42
702-150-70-134	150	PN10/16	56	510	798	933	514	270	15	10	SA 07.6	53
702-200-70-034	200	PN10	60	610	898	1063	514	331	15	10	SA 07.6	73
702-250-70-034	250	PN10	68	716	1006	1204	537	397	15	10	SA 10.2	97
702-300-70-034	300	PN10	78	834	1124	1350	537	452	15	10	SA 10.2	125
702-350-70-034	350	PN10	78	927	1217	1476	537	518	9	6	SA 10.2	144
702-400-70-034	400	PN10	90	1035	1325	1613	537	576	9	6	SA 10.2	187
702-450-70-034	450	PN10	90	1167	1566	1879	728	618	6	4	SA 14.6	323
702-500-70-034	500	PN10	95	1211	1610	1959	728	698	6	4	SA 14.6	336
702-600-70-034	600	PN10	105	1400	1799	2207	728	817	6	4	SA 14.6	448

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