



AVK KNIFE GATE VALVE, PN10

702/90-103

With square cap, replaceable top packing gland, DN50-600

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 square cap for wastewater treatment 0°C to +80°C

Standards:

- Face-to-face dimension according EN 558 - Series 20
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN10/16

Features:

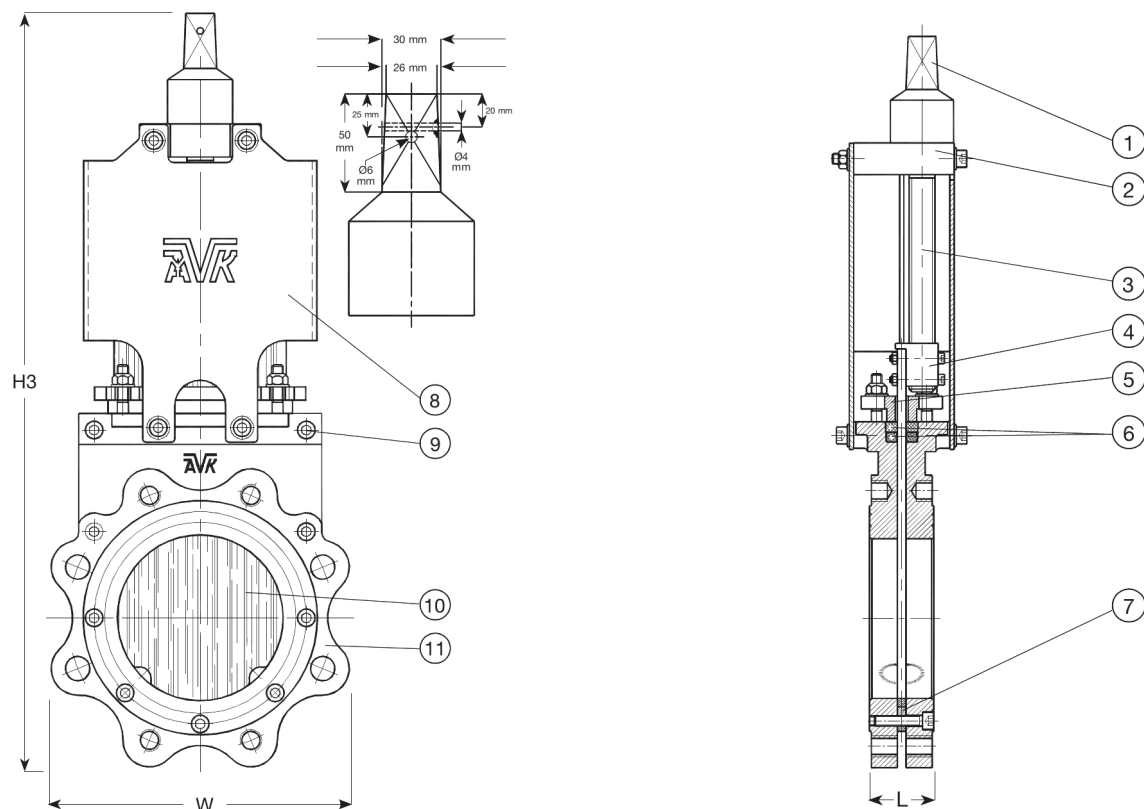
- Replaceable top packing gland enables sealing replacement without disassembly of the valve
- The valve is self cleaning as particles will be pushed off the gate when opening the valve. For extra protection of the packing gland a scraper is available as an optional extra.
- Bi-directional, can be installed 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 2014/68/UE Pressure Equipment Directive
- Approved according to the 2014/34/EU ATEX Directive
- Available in larger dimensions
- Optionally in higher PN class

Accessories:

Extension spindles, datasheet 04/02-001, ref. numbers 04-300-XXXX to be used for all sizes



Expect... **AVK**



Component list:

1. Square cap	Stainless steel 316	7. Seat	NBR rubber
2. Bearing	Carbon steel	8. Plate	Carbon steel
3. Stem	Stainless steel 316	9. Screws and nuts	Stainless steel A4
4. Stem nut	Bronze	10. Gate	Stainless steel 316
5. Top packing gland	Ductile iron GJS-400-15 (GGG-40)	11. Body	Ductile iron GJS-400-15 (GGG-40)
6. Packing	NBR + PTFE		

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	H3 mm	W mm	Test pressure bar	Working Pressure bar	Theoretical weight/kg
702-0050-10-0000114	50	PN10	43	402	131	15	10	8.6
702-0065-10-0000114	65	PN10	46	434	143	15	10	10
702-0080-10-0000112	80	PN10	46	493	184	15	10	15
702-0100-10-0000121	100	PN10	52	536	202	15	10	18
702-0125-10-0000125	125	PN10	56	586	230	15	10	21
702-0150-10-0000126	150	PN10	56	695	270	15	10	32
702-0200-10-0000014	200	PN10	60	825	331	15	10	52
702-0250-10-0000014	250	PN10	68	964	397	15	10	73
702-0300-10-0000013	300	PN10	78	1123	452	15	10	100
702-0350-10-0000014	350	PN10	78	1249	518	9	6	130
702-0400-10-0000008	400	PN10	90	1386	576	9	6	162
702-0450-10-0000012	450	PN10	90	1617	618	7	5	268
702-0500-10-0000007	500	PN10	95	1697	698	7	5	280
702-0600-10-0000007	600	PN10	105	1945	817	6	4	396