



## AVK KNIFE GATE VALVE, PN10

With square cap, replaceable top packing gland

702/90-103

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 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

### Accessories:

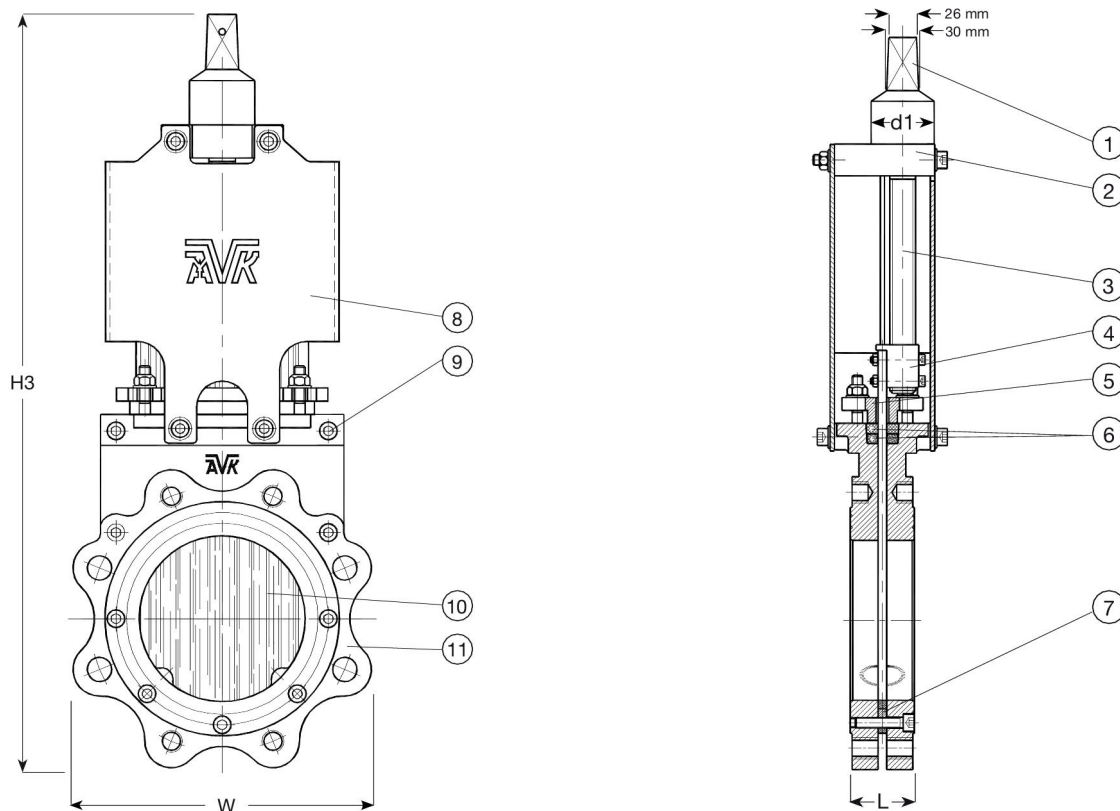
Extension spindles, datasheet 04/02-001, ref. numbers 04-300-XXXX to be used for all sizes



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**Component list:**

1. Square cap	Stainless steel 316	7. Seat	NBR rubber
2. Bearing	Carbon steel, epoxy coated	8. Plate	Carbon steel, epoxy coated
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	D1 mm	Test pressure bar	Working Pressure / bar	Theoretical weight/kg
702-050-90-134	50	PN10/16	43	383	40	15	10	8.6
702-065-90-134	65	PN10/16	46	418	40	15	10	10
702-080-90-134	80	PN10/16	46	481	40	15	10	15
702-100-90-134	100	PN10/16	52	524	40	15	10	15
702-125-90-134	125	PN10/16	56	574	40	15	10	21
702-150-90-134	150	PN10/16	56	687	59	15	10	29
702-200-90-034	200	PN10	60	817	59	15	10	44
702-250-90-034	250	PN10	68	956	59	15	10	73
702-300-90-034	300	PN10	78	1120	64	15	10	93
702-350-90-034	350	PN10	78	1246	64	9	6	121
702-400-90-034	400	PN10	90	1383	64	9	6	158
702-450-90-034	450	PN10	90	1617	84	6	4	268
702-500-90-034	500	PN10	95	1697	84	6	4	276
702-600-90-034	600	PN10	105	1945	84	6	4	396

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