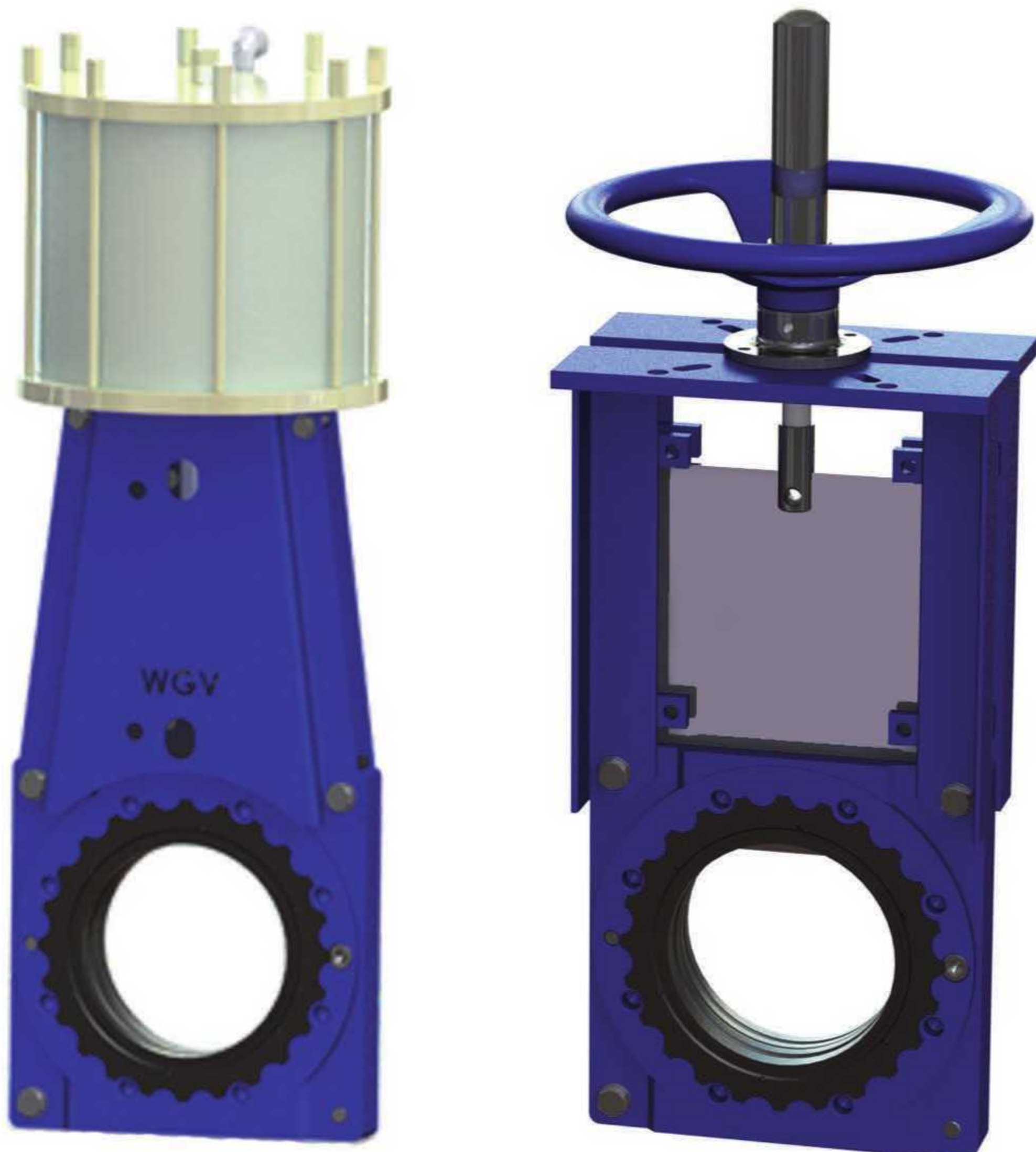


## SLURRY WAFER SERIES KNIFE GATE VALVE



The Slurry Wafer Knife Gate Valve KGD - WGV, is built with a cast body and features a heavy-duty stainless steel blade. Removable seats on either side of the blade provides a bi-directional, bubble-tight seal with no metal parts in contact with the slurry.

### FEATURES

- Double seat design for heavy-duty slurry service.
- Ease-of-replacement Seat Liners.
- When open, the Flanged Knife Gate is fully withdrawn from the slurry flow.
- No metal parts in contact with the flowing slurry.
- Bubble-tight shutoff.
- No clogged bonnet to impede flow.
- External epoxy-coated.
- Easily adapted to suit most actuators.
- Low-maintenance.
- Suitable for wet or dry service.
- Bi-directional flow.
- No gland to maintain.
- Wide range of elastomer's available.
- Light-weight for easier handling.
- No seat cavity where solids can collect and prevent full gate closure.

### PRODUCT SPECIFICATION

<b>Body</b>	: Wafer pattern SG Iron Gr. 42 (SABS) or steel fabricated.
<b>Elastomer Sleeves</b>	: Gum Rubber (Standard), Nitrile, Butyl, Hypalon.
<b>Pressure Rating</b>	: DN50 to DN400 rated to 150 psi (10 Bar) DN450 upwards rated to 90 psi (6 Bar).
<b>Gate Material</b>	: 304/316/SAF2205 Stainless Steel with optional coatings available.
<b>Drilling Patterns</b>	: DN50 to DN450 drilled and tapped ANSI 150#, AS, SABS etc.
<b>Material Certification</b>	: Certified chemical and physical test reports can be supplied.
<b>Top Works</b>	: Mild Steel - Angle Iron or A-Frames.
<b>Color</b>	: To client specification.
<b>Branding</b>	: Optional.

### ACTUATORS

All types of actuators can be fitted:

- Electric.
- Gear Box.
- Hydraulic.
- Pneumatic.
- Hand-wheel.

### VALVE BODY

- Urethane wiper blades.
- Lubrication ports on both sides of the valve body.
- Flushing port at the bottom.
- Open/Closed lockout brackets standard, ready for optional factory supplied lockout pins.
- Adaptable frame (yoke) design can be field modified to take air cylinder or gearbox.



## HOW THE RUBBER INSERTS WORK

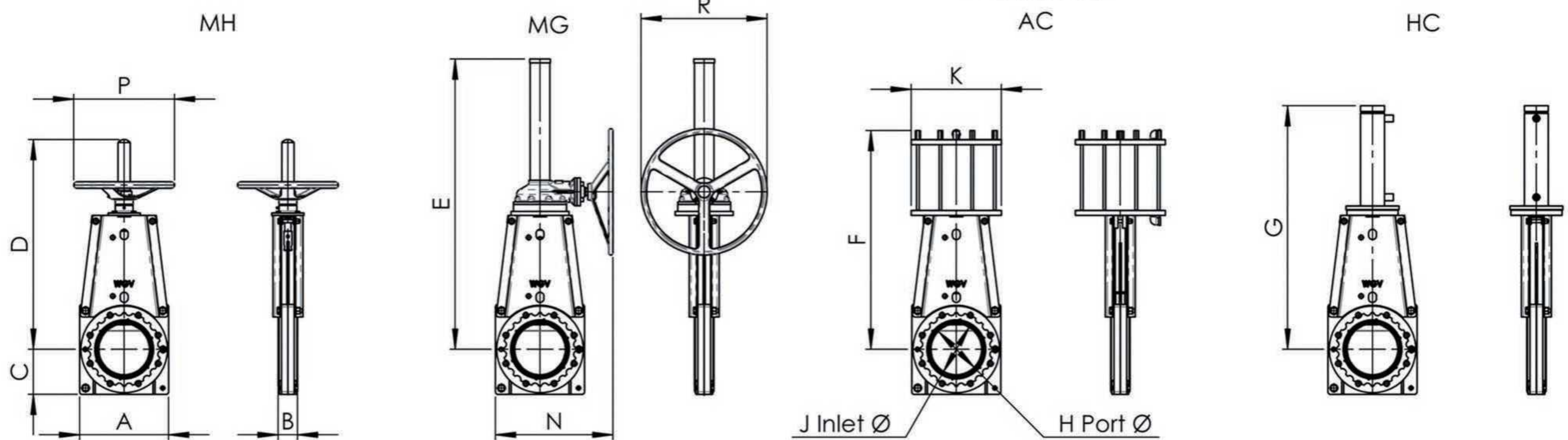
- Matching rubber inserts are placed in the valve housing to seal against the gate when the valve is closed and seal against each other when the valve is open.
- This tight seal contains the high internal line pressure, precluding direct pressure against the "Wiper Seal".
- Double seated design provides bi-directional flow and shut off.

## ACCESSORIES

- Ports** : Lubrication ports on valve body.
- Dust Covers** : PVC Bellows and spindle cover.
- Gate** : Various gate materials.
- Instrumentation** : Proximity Switces - Solenoids.

## DIMENSIONS

Dimensions are for guidance only - detailed dimension drawings are available on request. All dimensions are stated in millimeters.



Valve Size	2" 50mm	2.5" 65mm	3" 80mm	4" 100mm	5" 125mm	6" 150mm	8" 200mm	10" 250mm	12" 300mm	14" 350mm	16" 400mm	18" 450mm	20" 500mm
A	175	203	203	244	265	279	343	416	483	533	603	648	723
B1	51	54	54	59	62	65	78	78	84	84	97	97	121
B2	48	51	51	51	54	57	70	70	76	76	89	89	113
C	102	124	124	139	133	146	179	209	248	274	302	324	368
D	487	568	568	621	585	748	888	1043	-	-	-	-	-
E	-	-	-	-	765	783	920	1070	1234	1350	1480	1722	1824
F	458	545	545	585	686	721	857	1033	1191	1287	1418	1646	1876
G	477	558	558	610	720	743	879	1055	1207	1290	1421	1666	1884
H	47	65	71	97	124	147	196	247	287	329	381	432	483
J	51	65	76	102	125	152	203	254	304	337	387	432	485
K	191	222	222	267	220	320	375	444	518	573	622	669	712
M	-	-	-	-	150	-	-	-	-	-	-	-	-
N	-	-	-	-	275	504	531	566	607	634	749	765	779
P	308	300	300	300	300	410	410	420	-	-	-	-	-
R	450	450	450	450	450	450	450	450	450	450	450	500	500

## APPLICATIONS

- Mining & Mineral Processing.
- Chemical & Soda Ash.
- Power Generation.
- Pulp & Paper.
- Sand & Gravel.
- Environmental & Effluent.

