

# KUSHA<sup>TM</sup>

EST. 1952

*“Built to last”*



**KV - 501**

**DI Soft Seated Gate Valve**

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## Specification & Features

"KUSHA" make Soft/Resilient Seated Gate Valves or commonly referred to as Sluice valve is designed to comply with BS 5163, hence, comes with distinct features, it offers:

- ✓ Robust, leakproof and compact design, engineered to perfection
- ✓ Low torque operation for smooth functioning
- ✓ Easy installation enabling better productivity
- ✓ Teflon guide for smooth operation
- ✓ Suitable for drinking water and treated Sewage
- ✓ Available with handwheel operation
- ✓ Fusion Bonded Epoxy Coating offering minimum 200 micron DFT
- ✓ It can be buried underground or installed in horizontal/vertical pipelines as per the site requirement
- ✓ Wedge/Seat is encapsulated with EPDM 960 grade rubber, uniformly distributed

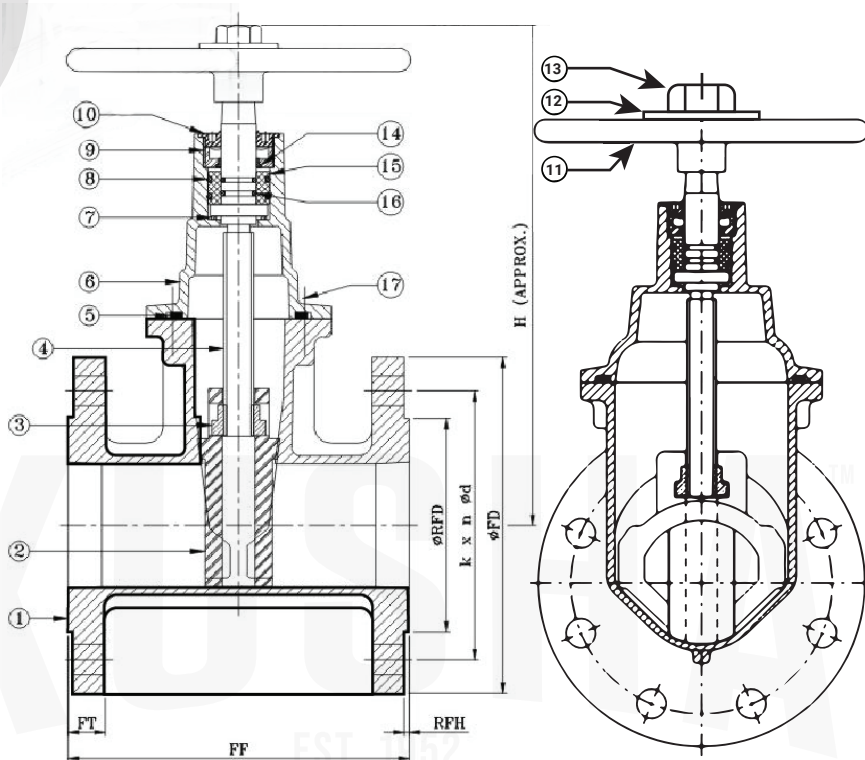


### HYDRAULIC TESTING DETAILS

DN	50MM-300MM
Nominal Pressure	1.6 MPa
Shell/Body Test	2.4 MPa
Seat Test	1.8MPa
Working Temperature	< 80°C
Application	Water/Waste Water

## MATERIAL OF CONSTRUCTION

01	Body	Ductile Iron
02	Wedge	EPDM Coated Ductile Iron
03	Wedge Nut	Brass
04	Stem	SS 410
05	Gasket	EPDM
06	Bonnet	Ductile Iron
07	C Disk	SS 410
08	O'Ring	NBR
09	Hex nut	SS 410
10	Dust Cap	Plastic
11	Handwheel	Ductile Iron
12	Washer	PTFE
13	Bolt	Steel
14	Washer	PTFE
15	O' Ring Bush	NBR
16	Stem O'Ring	NBR
17	High Tensile Allen Bolt	Boron Steel 15B25 as per EN 10.9



## DIMENSIONS AND OTHER SPECIFICATIONS AS STATED (MM)

MM	Inches	FF	FD	FT	RFD	RFH	k (PCD)	n	d	H	Net Weight (Kgs) ±3%
50	2"	178	165	19	84	3	125	4	19	205	12.5
65	2.5"	190	185	19	99	3	145	4	19	241	14
80	3"	202	200	19	118	3	160	4	19	277	17
100	4"	228	220	19	133	3	180	8	19	315	22
125	5"	254	250	19	153	3	210	8	19	360	30
150	6"	266	285	19.5	183	3	240	8	23	435	37
200	8"	292	340	20	209	3	295	8	23	545	58
250	10"	330	395	21	264	4	350	12	23	580	80
300	12"	356	445	22	319	4	400	12	23	670	112

**KV - 502**

**DI Single Chamber Tamper Proof Air Valve**

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## Specification & Features

KUSHA's Model KV - 502 includes the air release valve. Available in various sizes, the valves are designed to disburse large volumes of air from the pipelines while being filled.

Engineered for easy-to-maintain design and to operate in extreme conditions. Salient features include:

- ✓ **Full Bore Design:** enables high discharge and intake capabilities.
- ✓ **High-wear Seat Design:** encapsulated with EPDM-960 lining for durability and sustainable operations.
- ✓ **Float Design:** SS304 float allows it to be operated under extreme conditions offering unhindered performance throughout the line.
- ✓ **Self-Operating:** No actuator required.
- ✓ **Simple Construction:** Allows for ease of maintenance.
- ✓ **Powder Coated:** 200–250 DFT, suitable for withstanding variable conditions.
- ✓ **Bubble-tight Shutoff:** All "KUSHA" valves are tested to 150% of rate pressure to ensure



## TESTING & TECHNICAL DETAILS

DN	40MM-150MM
Nominal Pressure	1.6 MPa
Shell/Body Test	2.4 MPa
Working Temperature	< 80°C
Application	<ul style="list-style-type: none"><li>1 &gt; - High pressure pipelines</li><li>2 &gt; - Pipelines with scale</li><li>3 &gt; - Waterlines</li><li>4 &gt; - Sewage</li><li>5 &gt; - Mind dewatering</li></ul>