



LVC MINING AND INDUSTRIAL VALVES



Lined Valve Company, Inc designs and manufactures knife gate valves. LVC is based in Woodland, Washington, USA, with manufacturing plants in Washington and Florida. Bestline Mining Supplies Ltd, Kitwe, Zambia is the Agents for LVC and hold the following valve in various sizes at our Warehouse in Kitwe.

FEATURES

- **HEAVY DUTY** cast ductile iron body, bonnet, gate and handwheel.
- **Fusion Bonded Powder Coating** on all interior and exterior surfaces.
- **Alvenius K10 Coupling** end connections.
- **16 Bar** design pressure.
- **EPDM Resilient Seat** for bi directional drip tight shut off.
- **Non-rising stem** handwheel operated.
- **Brass Stem bushing** with EPDM stem seal and backseat provides reduced operating torque.
- **EPDM top stem seal** to keep dust and debris from working in between stem and bushing.
- Precision compression moulded gate seat for superior seating capability
- **Seat seals FLUSH** on bottom ID of body eliminating any pockets in the bottom of the valve to collect particles in the pipeline.
- **Stainless Steel stem** for corrosion resistance.
- **Tested to 24 bar** for body and bonnet hydrostatic test.
- **Tested to 17.6 bar** for gate integrity and seat leakage.
- Available in sizes **48mm through 203mm**.
- **Typical Applications:**
 - **Portable Water** - **Mining**
 - **Waste Water** - **Tunneling**
 - **Food Processing** - **Power**
 - **Cooling Water** - **Process Piping**
 - **Compressed Air Lines**
 - **Fire Protection Systems**
 - **Pumped Drainage Systems**





LINED VALVE COMPANY, INC.



DUCTILE IRON RESILIENT SEAT GATE VALVE

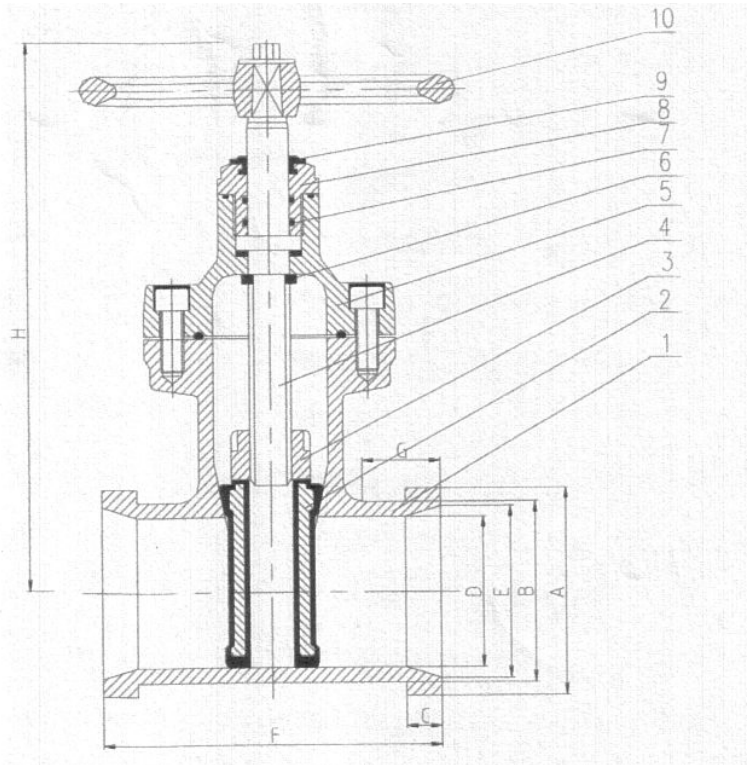
MATERIALS OF CONSTRUCTION	
No & Name	Material
1 BODY	Ductile Iron
2 GATE **	Ductile Iron/EPDM
3 STEM NUT	Brass
4 STEM	Stainless Steel
5 BONNET*	Ductile Iron
6 BACK SEAT	EPDM
7 STEM SEAL	EPDM
8 GLAND	Brass
9 STEM SEAL	EPDM
10 HANDWHEEL	Ductile Iron

* Body Bonnet and Handwheel are ductile Iron with a fusion bonded powder coating on all surfaces.

** Gate is ductile Iron with an EPDM Liner on all surfaces.

Stainless Steel is 420/2Cr13.

Ductile Iron is ASTM A536 Gr 65-45-12.



DIMENSIONS (mm)

SIZE	48	60	76	102	152	203
A	52	64	83	108	161	216.5
B	48.3	60.3	76.1	101.6	152.4	203
C	12.5	13	13	15.5	18.5	31
D	35	47	63.4	86	133	180
E	42	54	70.3	95	145	180
F	110	120	125	142	200	270
G	19	20.5	20.5	24.5	28	43
H	270	283	310	350	485	520