

HERTELL GATE VALVES

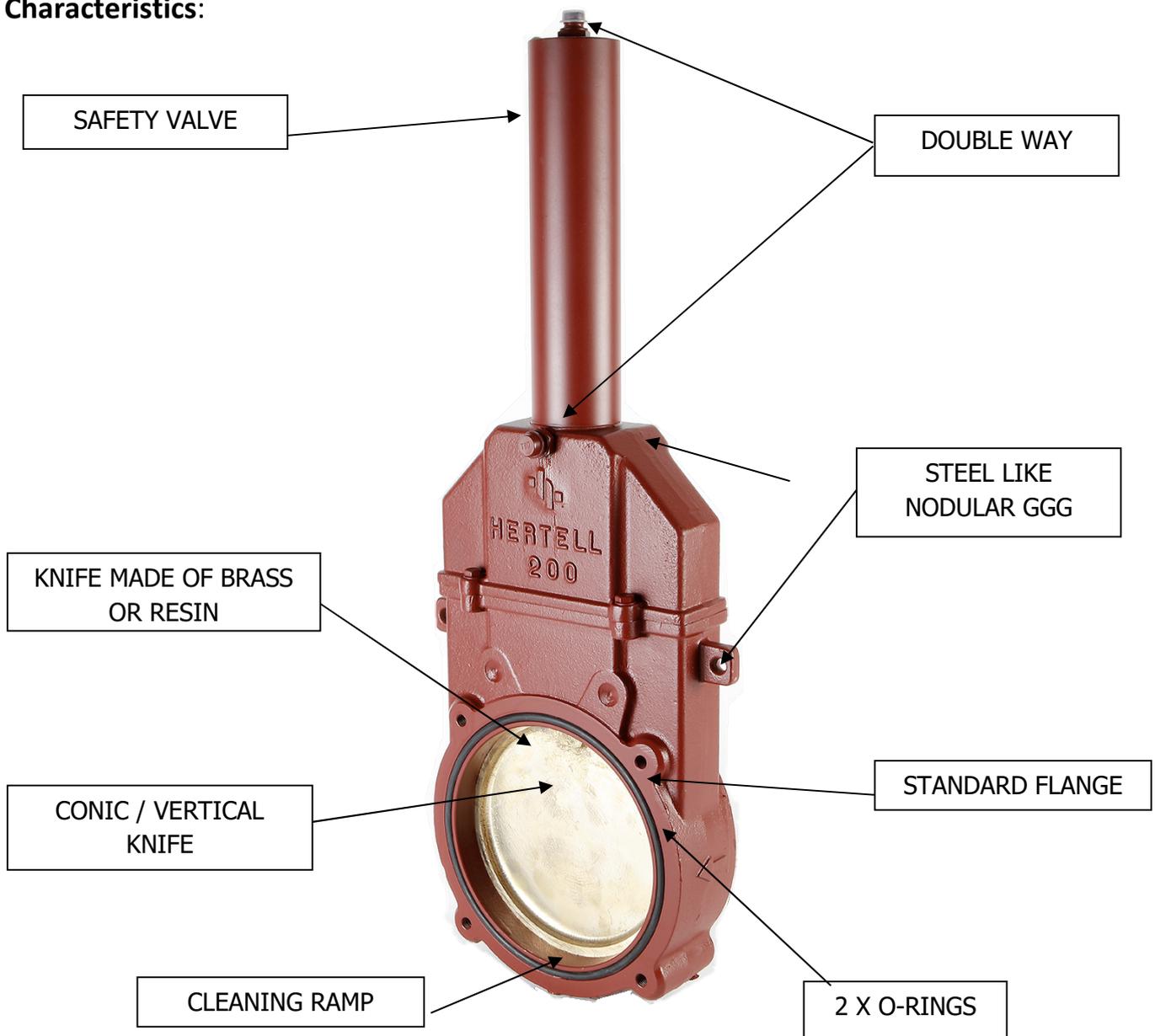
1.- Introduction.

HERTELL gate valves are made of Steel like GGG. The knife stem is made of stain steel and the lollipop are be made of brass

These kind of gate valves are thought to be installed in vacuum tankers and chopper pumps. It is remarkable the strength of the end product and the safety operation due to the optional double way hydraulic cylinder.

HERTELL gate valves can reach up to 20 bar operation pressure and can be driven manually, hydraulically or pneumatically.

2.- Characteristics:



3.- Models:

LAU Model :

These are double flanged gate valves, available on 125, 150 and 200 mm.

The 150 mm and 200 mm valves are provided with O-rings at both flanges and the 125 mm ones can be delivered with flange gaskets.

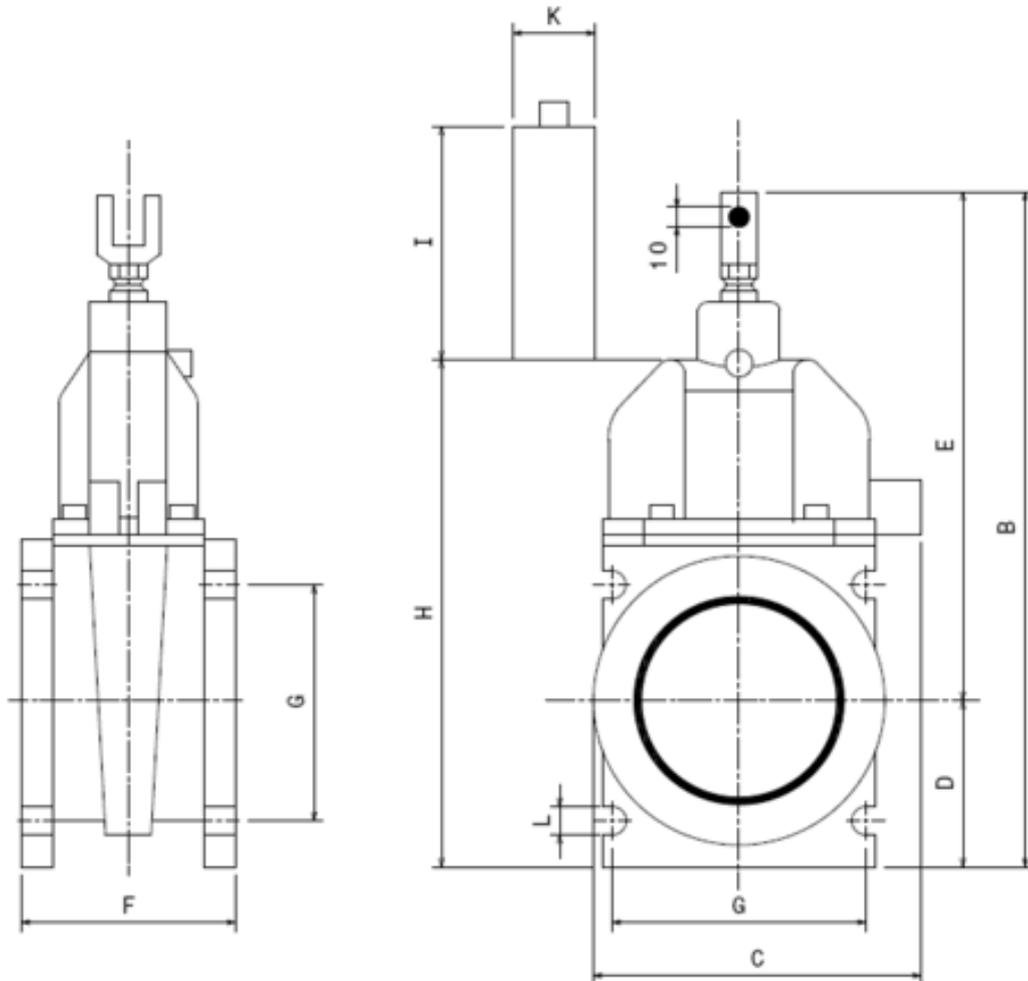


MANUAL



HYDRAULIC

Dimensions:

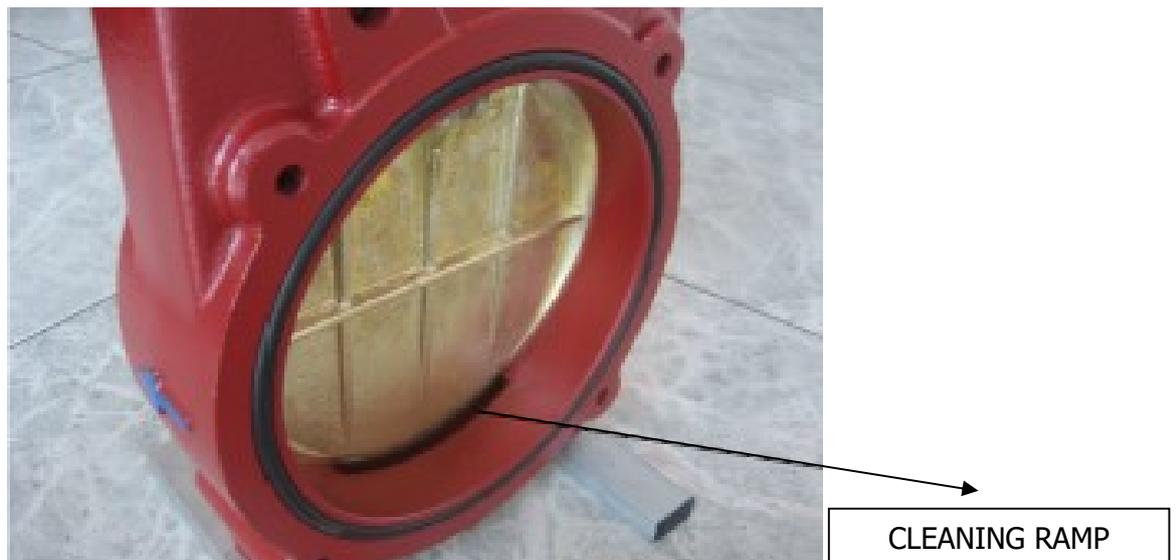


Mod.	Ø	A	B	C	D	E	F	G	H	I	K	L
LAU	125	125	412	200	95	317	130	135	315	212	70	16
LAU	150	150	470	200	105	365	122	150	380	235	70	16
LAU	200	200	570	270	125	445	80	180	470	290	70	M-14

Assemblage:

By the time of mounting the gate valve, it has to be considered that the gate valve is not reversible: both sides of the gate valve are different to improve the closing properties of the gate valve.

The straight side has to be mounted looking on to the exterior and the conic one, the side with the cleaning ramp for stone and sand waste, has to look onto the tanker.



Adaptable flanges for the LAU 200 gate valve:

DIN PN6	8 M16	a Ø280	ANSI150	8 3/4"	a Ø 298,4
DIN PN10	8 M20	a Ø 295	BST D	8 5/8"	a Ø 292,1
AS 2129 C	8 M16	a Ø 292	BST D	8 3/4"	a Ø 292,1
AS 2129 D	8 M16	a Ø 292	HERTELL	4	a Ø 180
AS 2129 E	8 M20	a Ø 292			

BURU Model

These are gate valves with Perrot female gate valve body. They are available on 125 and 150 mm both manual and hydraulic. At the same time there are accessories adaptable to these valves like the hose coupling, the spreader and a quick attach to make easier the coupling task.



HYDRAULIC

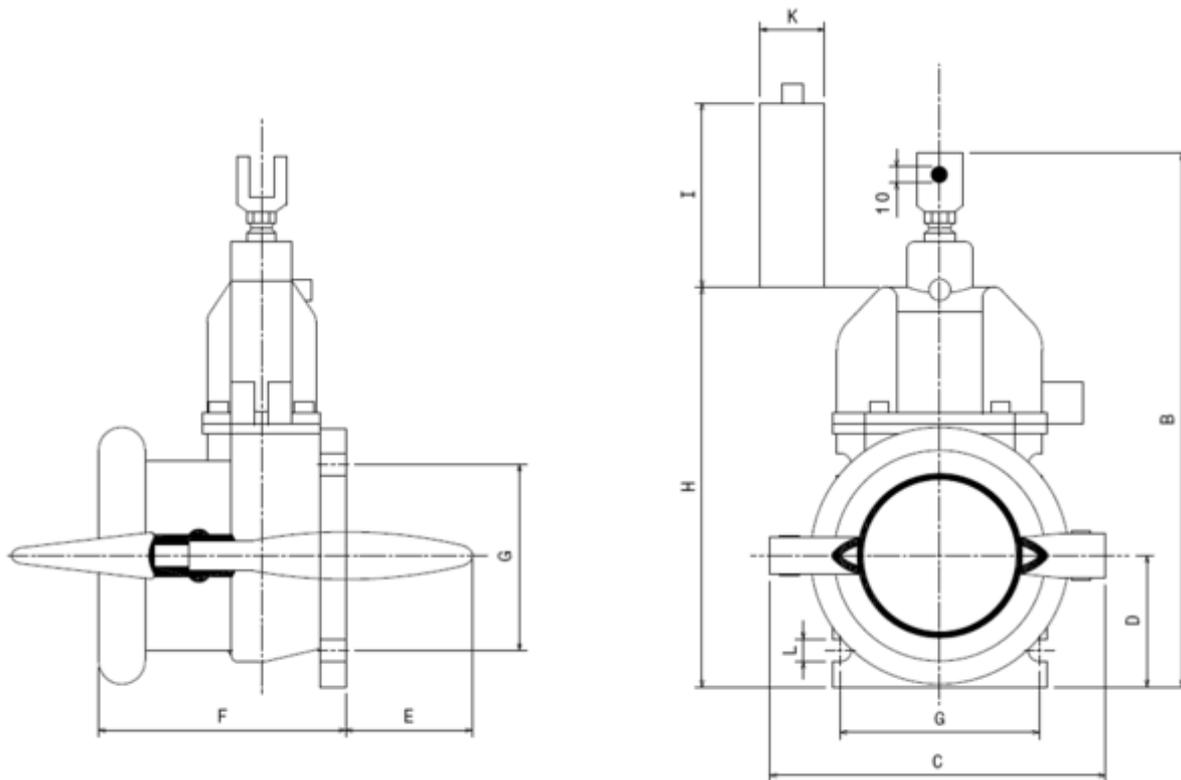


MANUAL

BURU WITH QUICK ATTACH



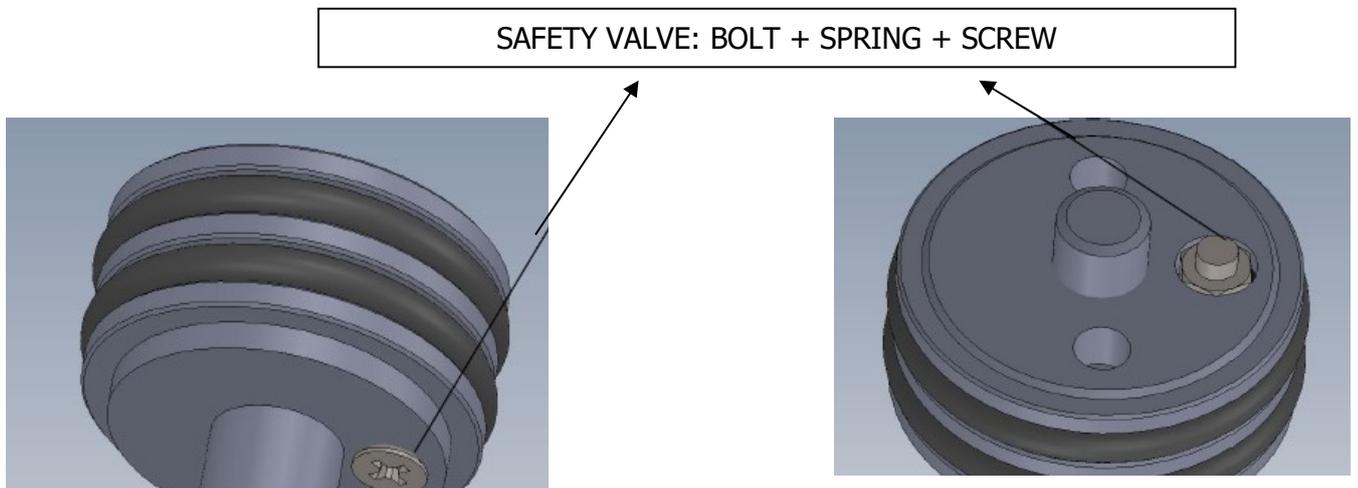
Dimensions:



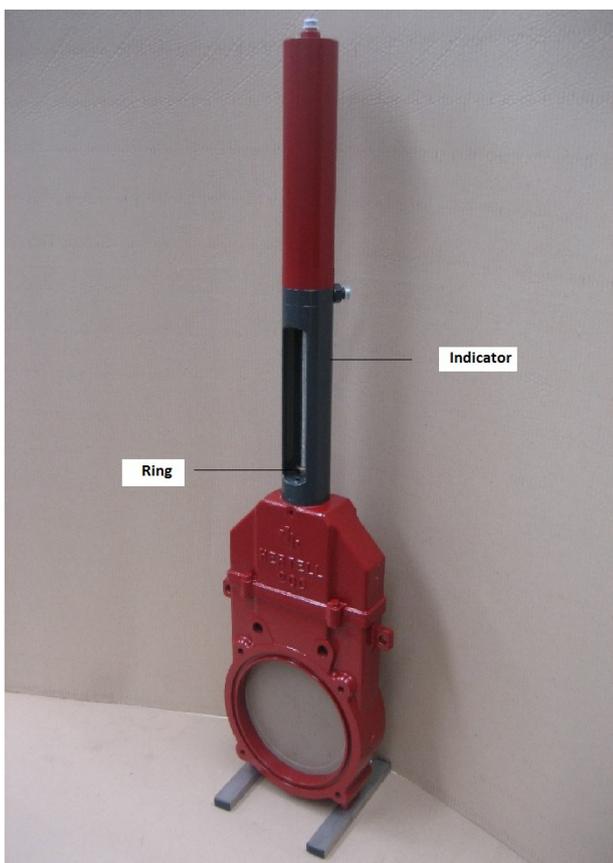
Mod.	Ø	A	B	C	D	E	F	G	H	I	K	L
BURU	125	125	412	270	95	110	185	135	315	212	70	16
BURU	150	150	474	300	115	110	188	150	380	235	70	16

4.- Safety valve on the hydraulic cylinder.

HERTELL hydraulic cylinders are provided with a safety valve regulated at 20 bar to prevent overpressure problems in the ram. The pneumatic cylinders do not have such a valve and work between 4 and 12 bar pressure.



There is the possibility of including one external indicator between the hydraulic cylinder and the gate valve. One golden ring show if the vales is open or closed. Or an electric position indicator instead. Specifically, interesting both options for valves in suction arms.



5.- Applications:



Ref.	Denomination
02LA200001	N. 1. Pitchfork for 125/150/200 gate valves
02LA200002	N. 2. Nut for 125/150/200 gate valves
02LA200003	N. 3. O-Ring for 125/150/200 gate valves
02LA200004	N. 4. Screw for 125/150/200 gate valves
02LA125005	N. 5. Cover for 125 gate valves
02LA150005	N. 5. Cover for 150 gate valves
02LA200005	N. 5. Cover for 200 gate valves
02LA125006	N. 6. Paper gasket for 125 gate valves
02LA150006	N. 6. Paper gasket for 150 gate valves
02LA200006	N. 6. Paper gasket for 200 gate valves
02LA200007	N. 7. Washer for 125/150/200 gate valves
02LA125008	N. 8. Chisel for 125 gate valves
02LA150008	N. 8. Chisel for 150 gate valves
02LA151008	N. 8. Special chisel for 150 gate valves
02LA200008	N. 8. Chisel for 200 gate valve
02LA201008	N. 8. Special chisel for 200 gate valves
02BU125009	N. 9. Body for BURU-125 gate valve
02BU150009	N. 9. Body for BURU-150 gate valve
02LA125009	N. 9. Body for LAU-125 gate valve
02LA150009	N. 9. Body for LAU-150 gate valve
02LA200009	N. 9. Body for LAU-200 gate valve
02BU150010	N.10. Rivet 12x24 for BURU-125/150
02BU150011	N.11. Rivet 12x30 for BURU-125/150
02BU150012	N.12. Rivet 12x36 for BURU-125/150
02BU150013	N.13. Handle for BURU-125/150
02BU150014	N.14. Long hook BURU-125/150
02BU125016	N.16. O-Ring for BURU-125
02BU150016	N.16. O-Ring for BURU-150
02LA125017	N.17. Flange gasket for 125 gate valves
02LA150017	N.17. Flange O-Ring for 150 gate valves
02LA200017	N.17. Flange O-Ring for 200 gate valves
03HI200001	N. 1. Hydraulic cylinder piston
03HI125002	N. 2. Body for 125 hydraulic cylinder
03HI150002	N. 2. Body for 150 hydraulic cylinder
03HI200002	N. 2. Body for 200 hydraulic cylinder
03HI200004	N. 4. O-Ring AN-32 for hydraulic cylinder
03HI200005	N. 5. O-Ring AN-33 for hydraulic cylinder
03HI200006	N. 6. M-6 Set screw for hydraulic cylinder
03HI200007	N. 7. M-6x35 screw for hydraulic cylinder
03HI200008	N. 8. T Junction for hydraulic cylinder
03HI200009	N. 9. Spring 12x8x24 for hydraulic cylinder
03HI200010	N.10. Plug for hydraulic cylinder
03HI200011	N.11. Washer 1/4 for hydraulic cylinder

7.- Warranty.

Each valve is checked before leaving our Works. Our valves have one year warranty after delivery against defects of material or assembly. HERTELL S.COOP is not responsible of direct or indirect costs caused by the valve misuse. In case of reclamation, it is decision of Hertell S.Coop. to verify the origin of the claim. It is the responsibility of the tank or the pumps station manufacturer to verify that the pump is going to be used according to the advised instructions, between the correct pressure range.

The valves fulfil the 89/392/CEE directive about machines (partly completed machine) and its posterior modification 98/37/CEE and 2006/42/CEE. By request a certificate according to this directive is available

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