



**KLIMOS**  
ARMATURA PRZEMYSŁOWA



Członek Polskiej Izby  
Przemysłu Chemicznego

**REF. 734-735**

**2 PIECES BALL VALVE 1500 LBS**



**Size :** DN 1/4" to DN 2"  
**Ends :** Threaded female BSP, NPT or S.W.  
**Min Temperature :** - 30°C in S.S. and - 20°C in carbon steel  
**Max Temperature :** + 250°C  
**Max Pressure :** 250 Bars ( 1500 lbs )  
**Specifications :** Anti blow-out stem  
Antistatic device  
Full bore

**Materials :** Carbon steel or Stainless steel

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**SPECIFICATIONS :**

- Full bore
- Anti blow-out stem
- Class 1500 lbs
- Antistatic device
- 2 pieces type

**USE :**

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : - 30°C to + 250°C for stainless steel type Ref.735
- Min and max Temperature Ts : - 20°C to + 250°C for carbon steel type Ref.734
- Max Pressure Ps : 250 bars
- Steam : 30 bars maximum

**RANGE :**



- Ball valve 1500 lbs forged normalised ASTM A105N carbon steel zinc coated body Ref. 734 DN 1/4" to DN 2"



- Ball valve 1500 lbs forged stainless steel body ASTM A182 F316L Ref. 735 DN 1/4" to DN 2"



- Stainless steel 304 with red cover handle Ref. 9830316-9830318



- Locking device Ref. 9830301-9830315

**ENDS :**

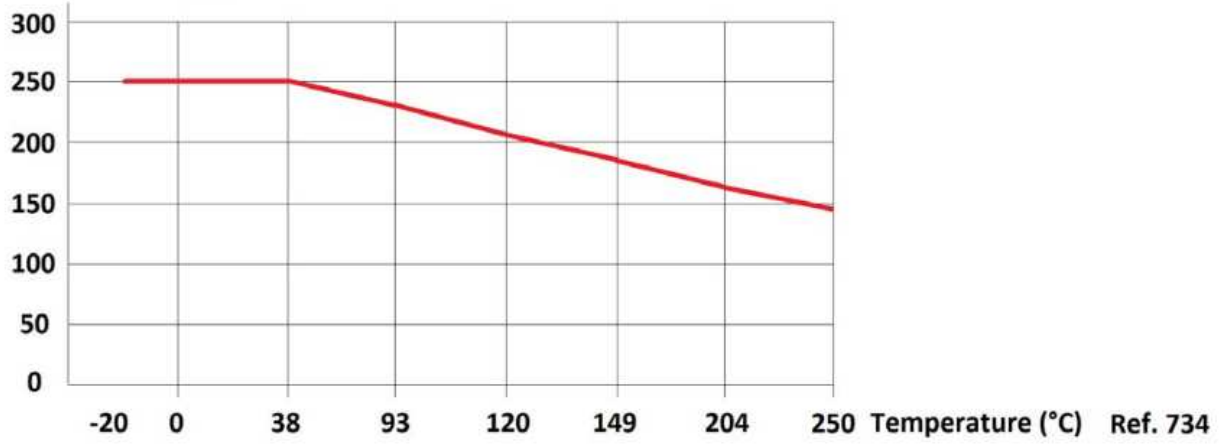
- Female / female threaded BSP Ref. 734 and 735
- Female / female threaded NPT Ref. 7341 and 7351
- Socket Welding ends on request

**PRESSURE / TEMPERATURE RELATION :**

Pressure ( Bar )	250	250	229	204	183	165	145
Temperature ( °C )	-30	38	93	120	149	204	250

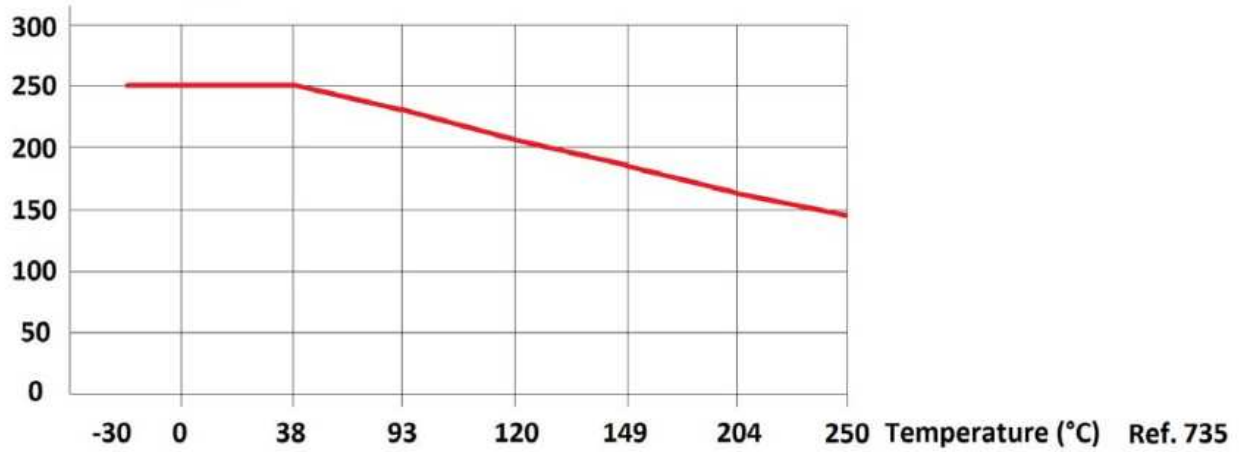
PRESSURE / TEMPERATURE GRAPH ( STEAM EXCLUDED ) CARBON STEEL TYPE REF.734 :

Pressure (Bar)

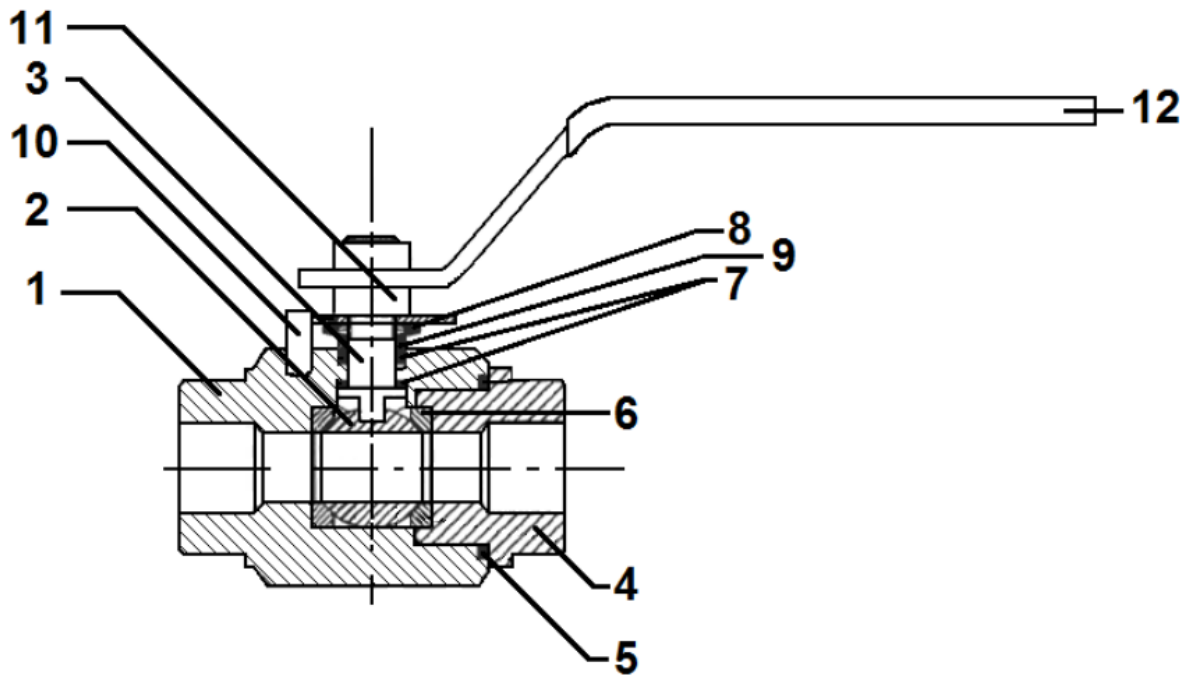


PRESSURE / TEMPERATURE GRAPH ( STEAM EXCLUDED ) STAINLESS STEEL TYPE REF.735 :

Pressure (Bar)

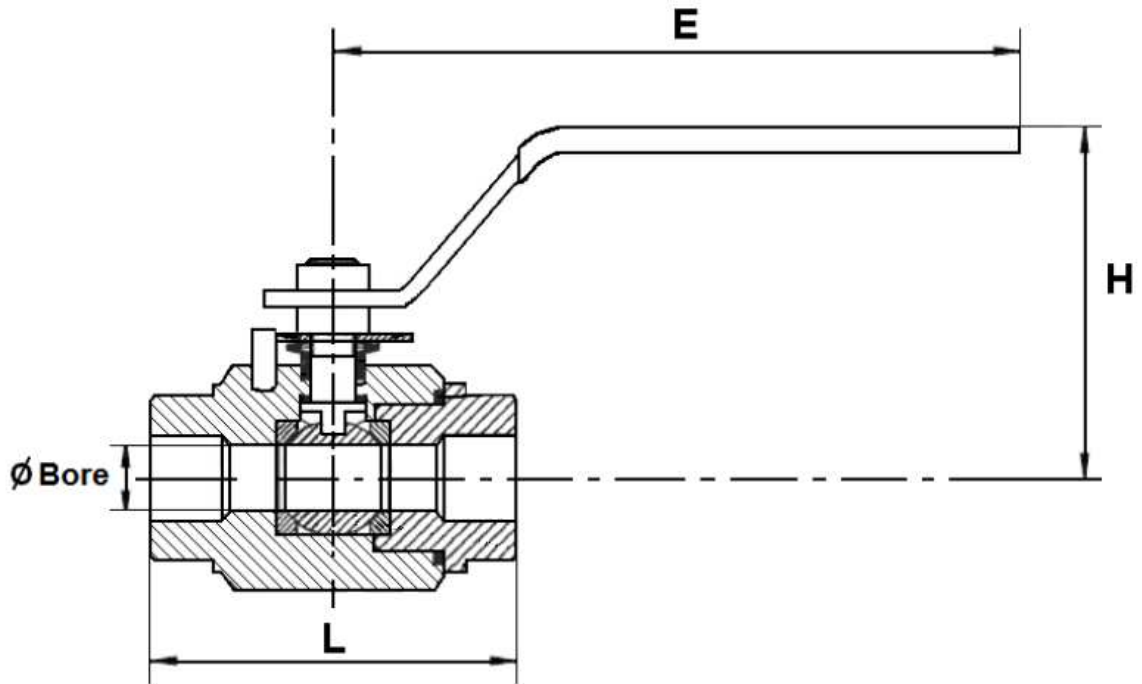


MATERIALS :

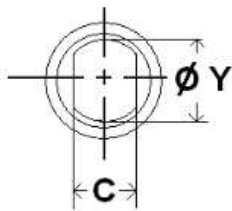


Item	Designation	Materials 734	Materials 735
1	Body	ASTM A105 N	ASTM A182 F316L
2	Ball	ASTM A182 F316L	
3	Stem	ASTM A182 F316L	
4	Ends	ASTM A105 N	ASTM A182 F316L
5	Body gasket	Carbongraphite	
6	Seat	PEEK	
7	Stem gasket	FKM	
8	Disc springs	Steel	
9	Packing gland	ASTM A105	F304
10	Stop	FE P11 ( UNI 5867 )	
11	Nut	Steel 6S	
12	Handle	FE P11 ( UNI 5867 )	

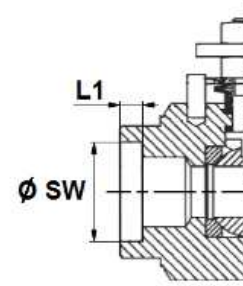
SIZE ( in mm ) :



Stem size :



SW ends size ( on request ) :



DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø Bore	10	10	15	20	25	30	38	48
L	67	67	75	90	105	120	135	155
E	148	148	148	180	180	240	240	280
H	72	72	75	85	95	100	105	115
C	5	5	5.5	7.5	7.5	9	9	9
Ø Y	8	8	10	12	12	14	14	14
Ø SW	14.3	17.8	21.8	27.3	34	42.6	48.7	61.3
L1	9.5	9.5	9.5	11.5	13	14	16	17
Weight ( Kg )	0.6	0.6	0.8	1.5	2	3.3	4.5	6

## STANDARDS :

- Fabrication according to ISO 9001 : 2008
- DIRECTIVE 97/23/CE : CE N° 0948  
Risk category III Module B+C1
- Tests according to API 598
- Designing according to ANSI B16.34
- Threaded female BSP cylindrical ends according to ISO 228-1
- Threaded female NPT ends according to ANSI B2.1
- Materials according to NACE MR 01-75 **on request**
- **On request**, ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22

## INSTALLATION AND MAINTENANCE

### BEFORE INSTALLATION :

- Pipe-line must be cleaned and free from residual of weldings, rubbish, shaving and every kind of extraneous materials.
- Pipe-line must be perfectly aligned and their support properly dimensioned so that there's no external constraint.
- Please use the right product according to the services conditions to seal the valve.
- Use the right bolt tightening so that the ends won't be damaged.
- **During welding operation, for S.W. types half open the valve and weld the valves according to special procedures (like in water) to protect the seat because it could burn.**

### CLEANING AND TESTS

- Keep closed the valves during the cleaning operation so that there's no impurities between the ball and the body.
- Tests under pressure must be done with a cleaned pipe-line.
- Open partially the valve for tests. Pressure test do not exceed the valve specifications according to API 598.

### MAINTENANCE

- It's recommended to operate the valve ( open and close ) 1 to 2 times per year.
- When intervention on the valve, be sure there's no pressure in the pipe-line, there's no fluid in it, and that it is isolated.
- The temperature must be low enough to operate without risks.
- If there's a corrosive fluid, inert installation before intervention.