Edificio Genebre. Av. de Joan Carles I, 46-48
08908 L'Hospitalet de Llobregat. Barcelona (Spain)
genebre@genebre.es - www.genebre.es

INSTRUCTIONS FOR INSTALLATION, OPERATION AND MAINTENANCE MANUAL

1 Piece Ball Valve Reduce Bore.



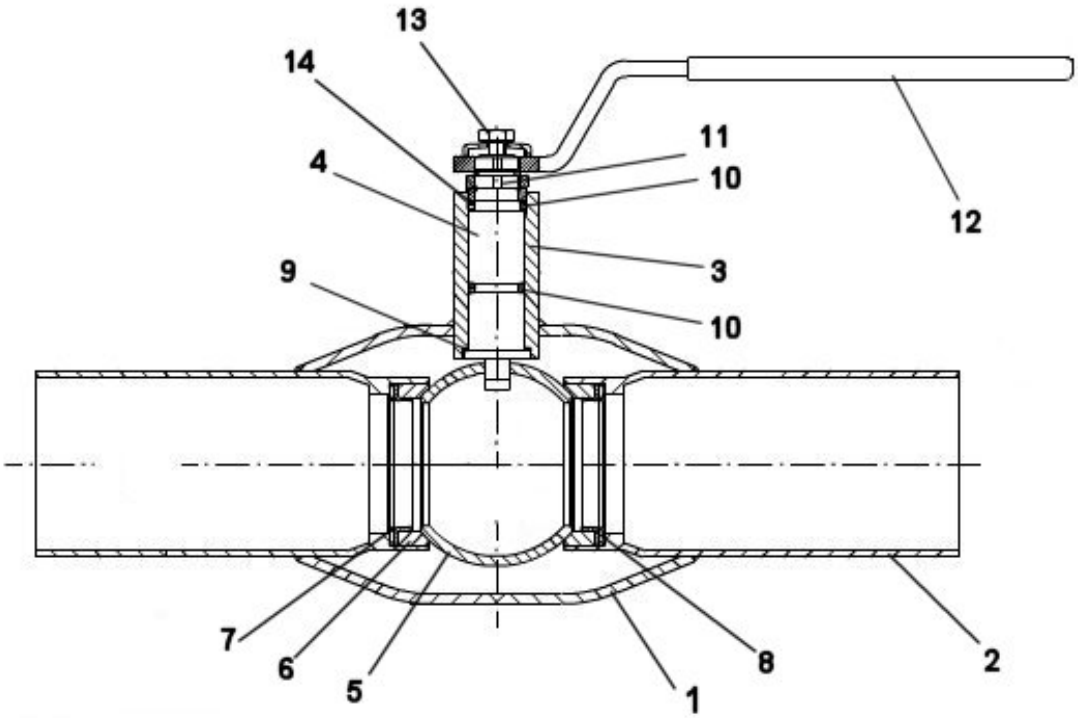

Ref. GENEBRE: 2035 – 2036 – 2037

Edificio Genebre. Av. de Joan Carles I, 46-48
08908 L'Hospitalet de Llobregat. Barcelona (Spain)
genebre@genebre.es - www.genebre.es

Installation, operation and maintenance manual

Edificio Genebre. Av. de Joan Carles I, 46-48
08908 L'Hospitalet de Llobregat. Barcelona (Spain)
genebre@genebre.es - www.genebre.es

1. Parts Diagram.



1.1 Parts List.

Nº	Name	Material	Surface Treatment
1	Body	Carbon Steel DIN St-37	Painted
2	Extension Pipes	Carbon Steel DIN St-37	Painted
3	Stem Bush	Carbon Steel DIN St-37	Painted
4	Stem	AISI 303	------
5	Ball	AISI 304	------
6	Seat ball	Carbonized PTFE	------
7	Spring Washer	AISI 301	------
8	Seat Bush	Stainless Steel	------
9	Trust Washer	PTFE	------
10	O´ring	FPM (Viton)	------
11	Stopper	Carbon Steel	Zinc-Plated
12	Handle	Carbon Steel	Zinc-Plated
13	Nut	Stainless Steel	------
14	Washer	PTFE	------

2. Safety Instructions.

IMPORTANT REMARK:

Before setting up or handling these valves, READ CAREFULLY this user's guide and OBSERVE all the contained information. In case you don't understand some information, please <u>contact with GENEBRE, S.A.</u>

¡Safe use of this valve is under responsibility of the user according to <u>that established in these operating instructions as in the technical data sheet of this equipment!</u>

¡Transport and storage of the valves must be carried out in its original packaging!

VISUAL INSPECTION

Check if the valve has been damaged during transport, uploading or location.

Make sure the valve has been depressurized before it is install.

Make sure the valve is suitable for the medium and the working conditions.

3. Installation.

3.1 Make sure before installation that the valve is suitable for the medium and the working conditions.

3.2 The pipelines must be cleaned before installing the valves because the impurities may damage the valve surfaces.

3.3 The maximum working pressures and temperatures are indicated in the valve identification plate.

3.4 Make sure before installation has the suitable tools.

3.5 Do not remove the protective covers of the connections until just before installation.

4. Welding.

4.1 Is necessary a clean area for work.

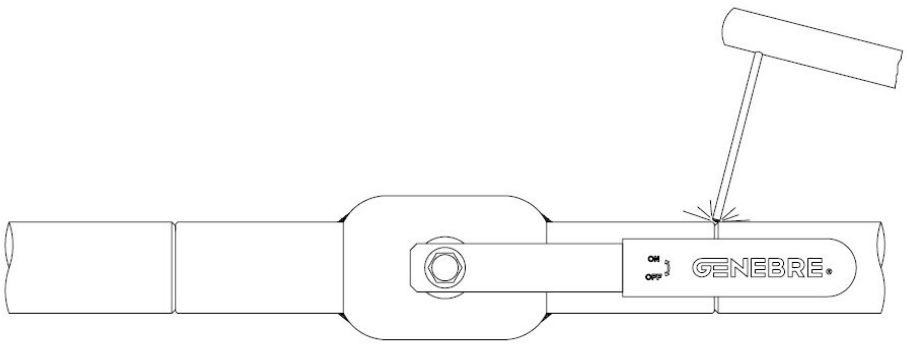
4.2 Genebre, S.A. recommends the use of electric welding methods (TIG, MIG).

4.3 Use cooling during the welding process.

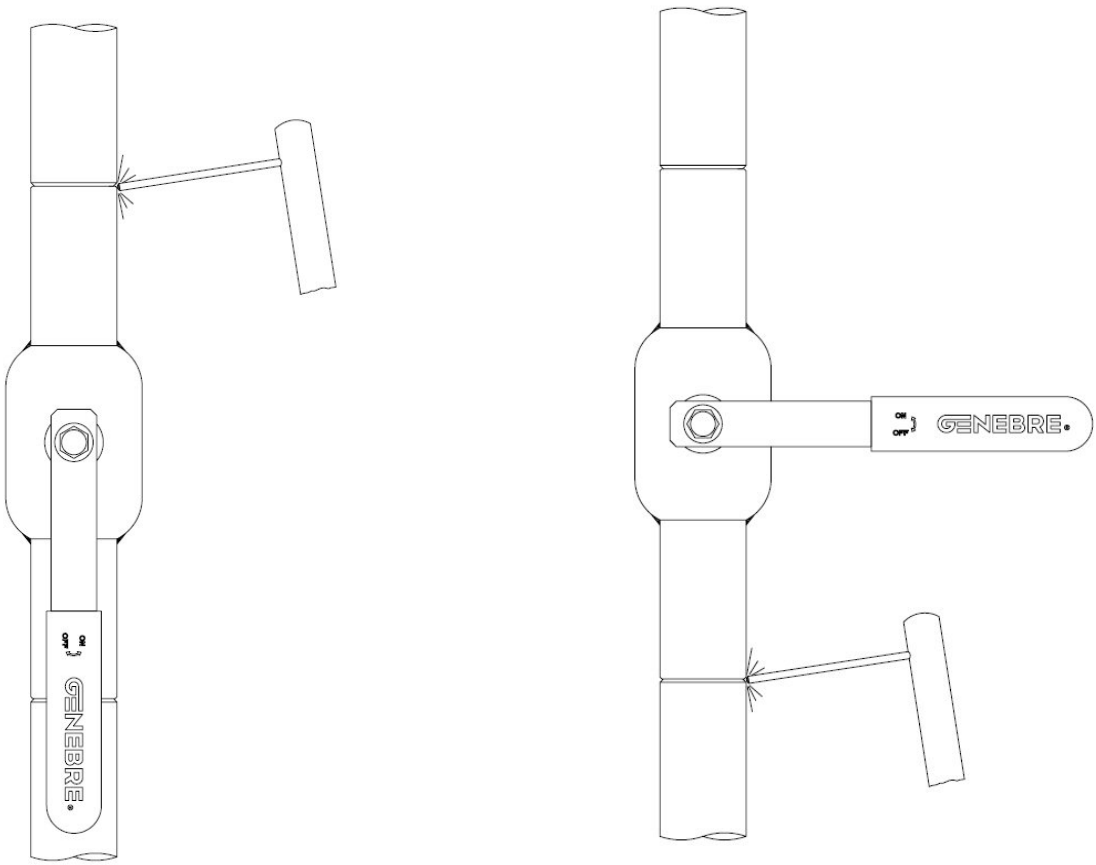
4.4 Welding to be performed by a qualified welder.

4.5 Excessive heating of the valve must be avoided during the welding.

4.6 When the valve is installed in a horizontal piping, it must be in the open position for protection of the ball.



4.7 When the valve is installed in a vertical piping, the valve shall be open when the upper seam is welded and when the lower seam is welded the valve shall be closed.



4.8 Do no open/close the valve immediately after welding. Wait the valve cool before operating it.

4.9 If is necessary to make the pressure test Genebre, S.A. recommend use the instruction of European Standard EN 12.266 part. I.

Hydraulic test from seat should be 1,1 PN with closed valve position.
Hydraulic test from body should be 1,5 PN with partly open valve position (45º).

5. Operation.

These types of valves (floating ball) was designed for use as a shut-off, may only be used in the open-closed position.

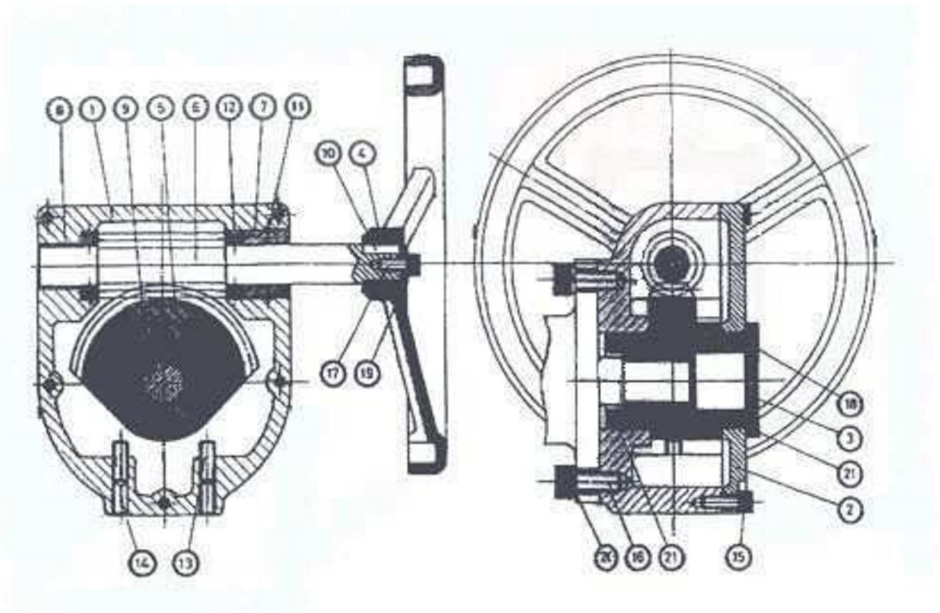
In applications where the valve remains in the same position for much time, is recommended to open or close a few times during the year to avoid hardening of the valve.

The same at other models of ball valves from Genebre, S.A. the operation is:

CLOCKWISE for closed valve.
COUNTER CLOCKWISE for open valve.

In sizes >= to DN 200 the valves has install a Gear Operator for open - closed the valve.

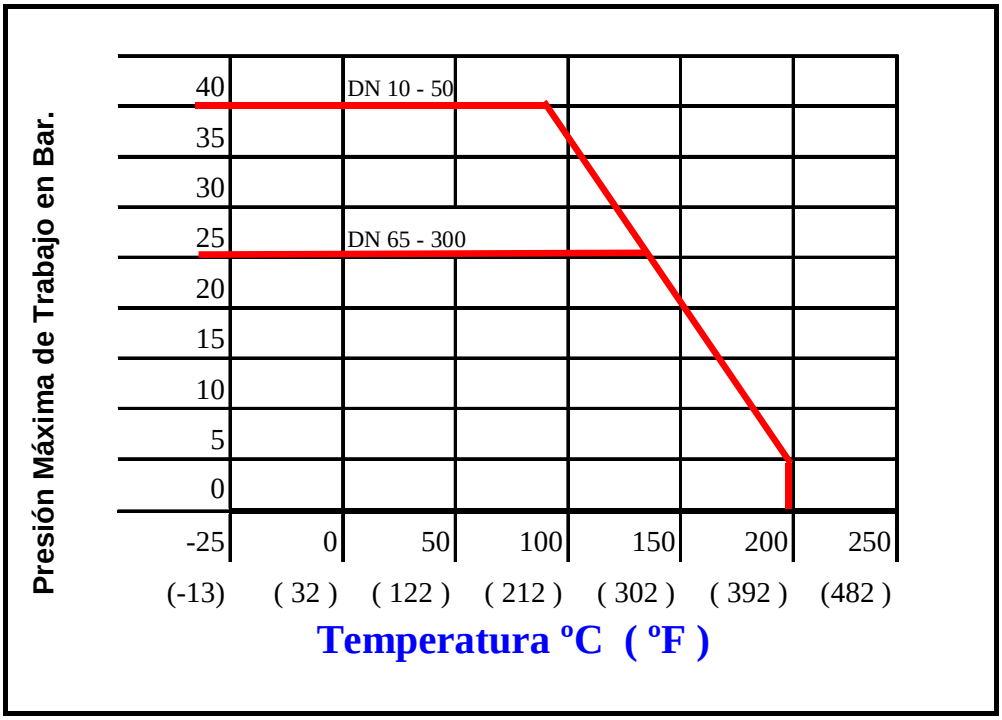
If is necessary the adjusting from this remove the bolt pos. 14 from gear operator and regulate the blot pos. 13. according to necessity.



6. Maintenance.

The valves do not need extra service at the normal conditions.

7. Pressure temperature rating.



8. Kv Values.

Kv values in fully open position

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Kv	8	15	24	40	66	104	180	300	450	780	1100	1550	2900	4450