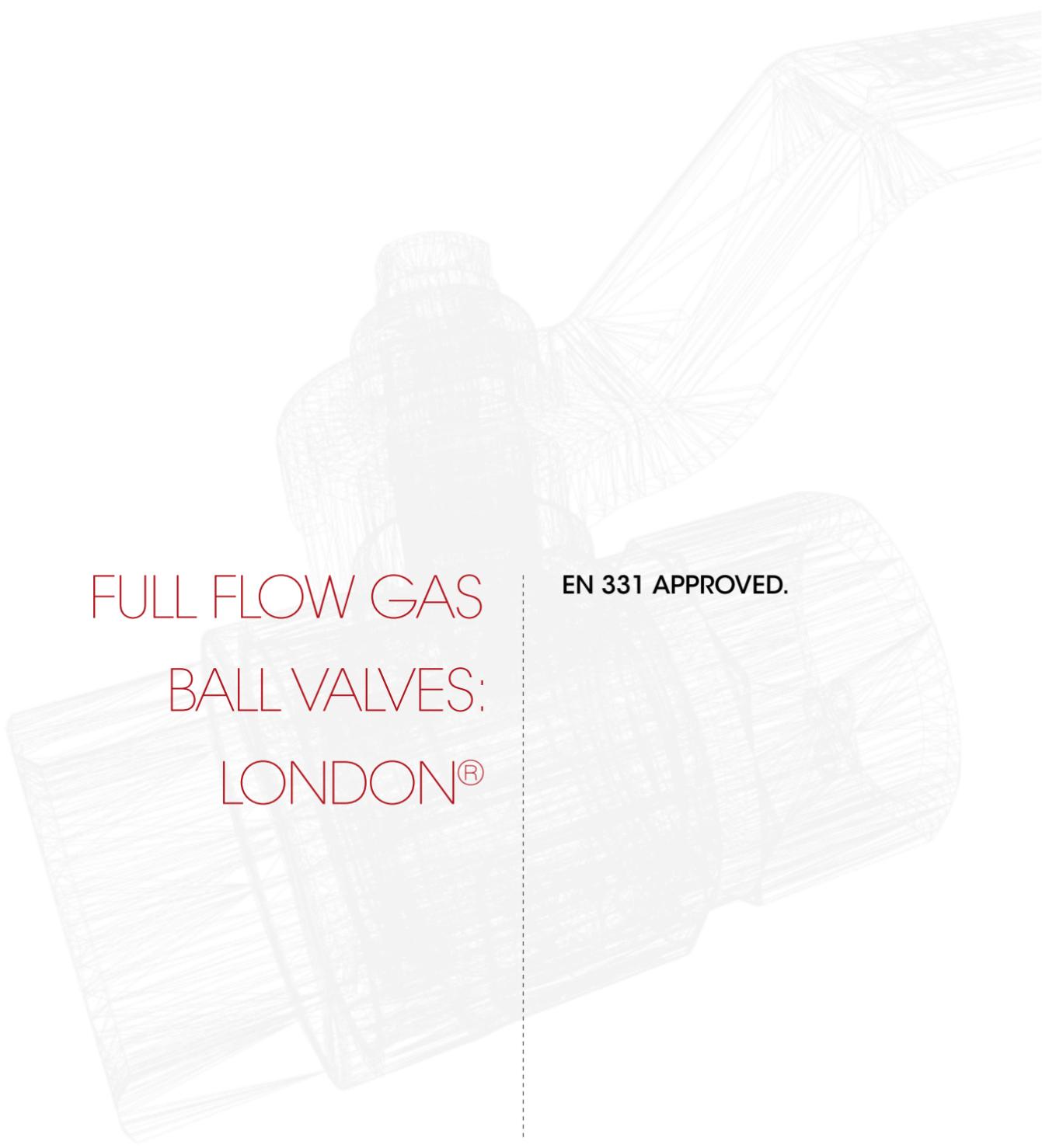


A-2512 TRIBUSWINKEL, WERKSGASSE 7

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klepp & Co
A R M A T U R E N Handels - GmbH



FULL FLOW GAS
BALL VALVES:
LONDON®

EN 331 APPROVED.

GAS BALL VALVES

066

LONDON®
BALL VALVE,
FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	5bar/72,5psi	066B014	12/192
3/8" (DN 10)	5bar/72,5psi	066B038	12/192
1/2" (DN 15)	5bar/72,5psi	066B012	10/100
3/4" (DN 20)	5bar/72,5psi	066B034	8/64
1" (DN 25)	5bar/72,5psi	066B100	6/48
1"1/4 (DN 32)	5bar/72,5psi	066B114	4/32
1"1/2 (DN 40)	5bar/72,5psi	066B112	2/16
2" (DN 50)	5bar/72,5psi	066B200	2/14

TECHNICAL SPECIFICATIONS

EN 331 APPROVED.

Female/female threads.

Body in nickel-plated brass.

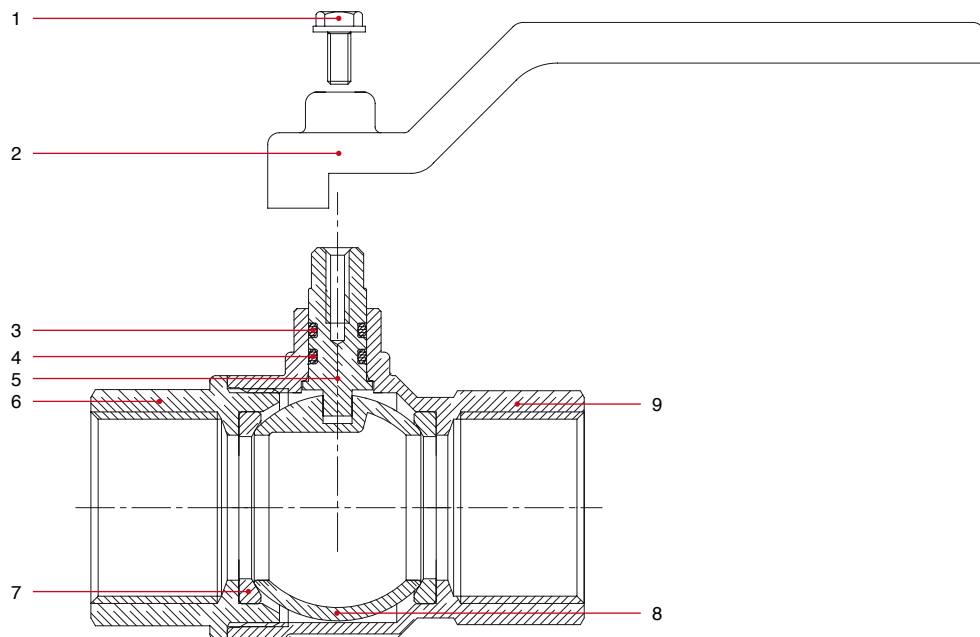
Lever handle in steel.

Minimum and maximum working temperatures: -20°C, 60°C.

Female thread ISO 7/1 Rp parallel

(equivalent to DIN EN 10226-1 and BS EN 10226-1).

MATERIALS



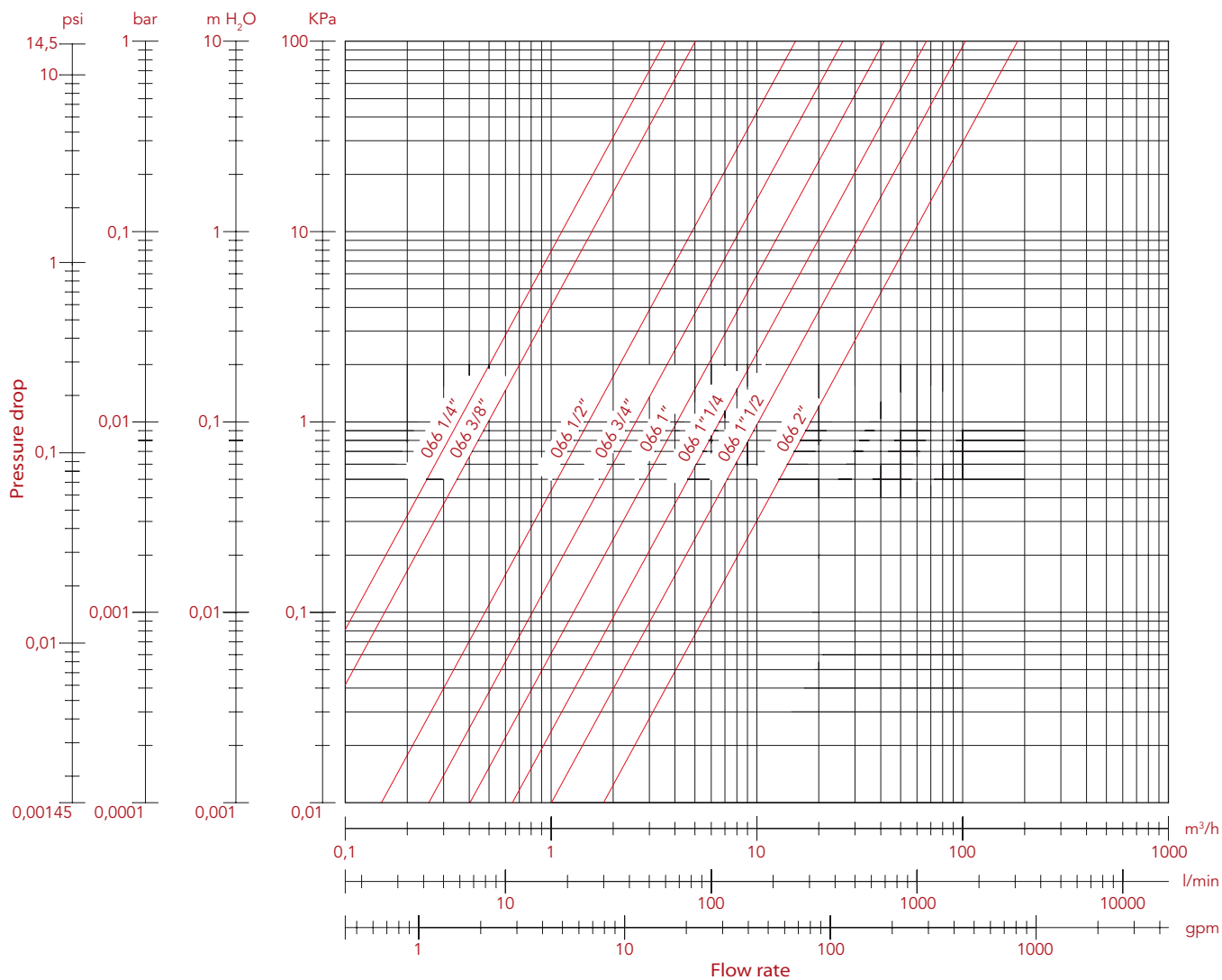
POS.	DESCRIPTION	N.	MATERIAL
1	Screw	1	Zinc-plated steel Fe CB4
2	Lever handle	1	Zinc-plated and varnished steel Fe.P04
3	O-Ring	1	VITON®
4	O-Ring	1	NBR
5	Stem	1	Brass CW614N
6	End adapter	1	Nickel-plated brass CW617N
7	Seat	2	P.T.F.E.
8	Ball	1	Chrome-plated brass CW617N
9	Body	1	Nickel-plated brass CW617N

Technical drawing of the CW817N PN40 valve. The drawing includes a side view and a front view. The side view shows the valve body with dimensions A (total width), B (height), C (height to the top of the handle), D (length of the handle), E (height of the valve body), and F (width of the valve body). The front view shows the valve body with dimensions CH (height of the handle) and F (width of the valve body). The valve body is labeled CW817N PN40 and MADE IN ITALY.

[illegible]

A row of logos for participating organizations and countries. The organizations' logos are in the top row: EAC, EAC, EAC, a circular logo with a building, a circular logo with a globe, a triangle logo with 'Zik', a circular logo with a globe, a square logo with a building, a circular logo with a gear, a circular logo with a building, a circular logo with a globe, and a circular logo with a globe. The country flags are in the bottom row: Russia, Hungary, Kazakhstan, Russia, Germany, Serbia, Australia, Poland, Romania, Serbia, Hungary, and Slovakia.

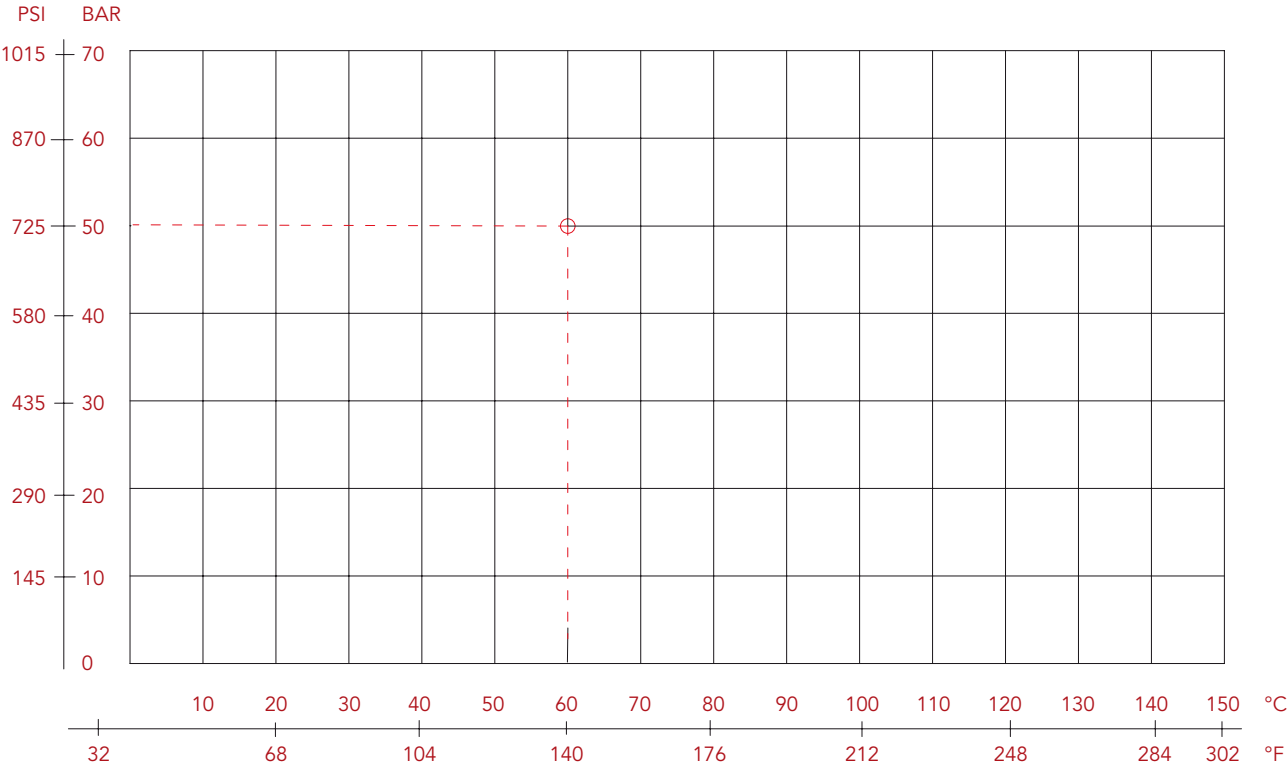
LOSS DIAGRAM WITH WATER



SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø	10	10	15	20	25	32	40	50
Kv	3,45	5,00	15,65	26,26	41,44	63,69	101	169

PRESSURE-TEMPERATURE DIAGRAM

GAS BALL VALVES



NB: Maximum working temperature for gas: +60 °C
The working pressure for gas is from 0 to 5 bar.



LONDON

MANUFACTURER INSTRUCTIONS

Installation

The itap S.p.A's valves are bi-directional, that means they manage the flow in both the directions. The valves are composed by a ball, two seal in PTFE material, one stem, two sailing rings (O-Rings), one handle and a couple of parts made of brass (body and end adopter) that contain them and that are assembled by means of threat and a sealed material to obtain their aim. To avoid that the sealing material gets brake and than the valve gets lose the connection between body and the end adopter, it's necessary to avoid to submit the two parts under the influence of a torque.

For their installation ones have to use the normal hydraulic practices, and in particular:

- Ones have to be sure that the two pipes are correctly aligned,
- during the assembling ones have to apply the assembling tool at the end that is nearest to the pipe,
- the application of the sealing materials by the fitter (PTFE or hempen cloth) must be limited at the threat zone. An excess should interferes in the ball-gasket's closure zone, compromising the tightness.
- In the case that the fluid transported presents some impurities (dust, water too hard, etc.) ones have to remove these impurities by the means of a filter. Otherwise they could damage the seals.

Disassembly the installed valve

To remove the valve from the pipe line or anyhow before to unscrew the junctions linked to it:

- wear the clothing protective normally required to work with the fluid transported within the line.
- Depressurize the line and operate in this way:
 - positioning the valve in opened position and than empty the line
 - handle the valve to put down the residue pressure contained inside the space between the ball and the body before of remove it from the line,
 - during the disassembly apply the screw tool at the end of the valve nearest the pipe

Maintenance

Verify the valves periodically, in function oh their application's field and in function of their work conditions, to be sure that the valves work correctly.

Warnings

- any deterioration or destruction of any part of the manually operated ball valve shall result in the need to replace complete valve: alterations to any part of the complete valve shall result in the valve no longer being in compliance with the performance requirements of EN 331 standard;
- ensure that the manually operated ball valve allows an adequate flow rate for its intended use;
- all installations should be performed in accordance with existing local installation regulations and codes of practice where they exist;
- it is imperative to follow the installation instructions of the manually operated ball valve manufacturer and of the appliance manufacturer, including those for the correct position of the connection point for the valve.