VÁLVULAS DE ESFERA PASO TOTAL IDEAL

090 Válvula de esfera Ideal, paso total

Indicadas para el uso en instalaciones hidráulicas, de calefacción, de acondicionamiento y neumáticas.
IDEAL

MEDIDA	PRESIÓN	CÓDIGO	EMBALAJE
1/4" (DN 8)	50bar/725psi	0900014/N	12/192
3/8" (DN 10)	50bar/725psi	0900038/N	12/192
1/2" (DN 15)	50bar/725psi	0900012/N	12/156
3/4" (DN 20)	40bar/580psi	0900034/N	8/64
1" (DN 25)	40bar/580psi	0900100/N	8/64
1"1/4 (DN 32)	30bar/435psi	0900114/N	4/32
1"1/2 (DN 40)	30bar/435psi	0900112/N	2/26
2" (DN 50)	25bar/362.5psi	0900200/N	2/12
2"1/2 (DN 65)	18bar/261psi	0900212/N	1/7
3" (DN 80)	16bar/232psi	0900300/N	1/4
4" (DN 100)	14bar/203psi	0900400/N	1/2

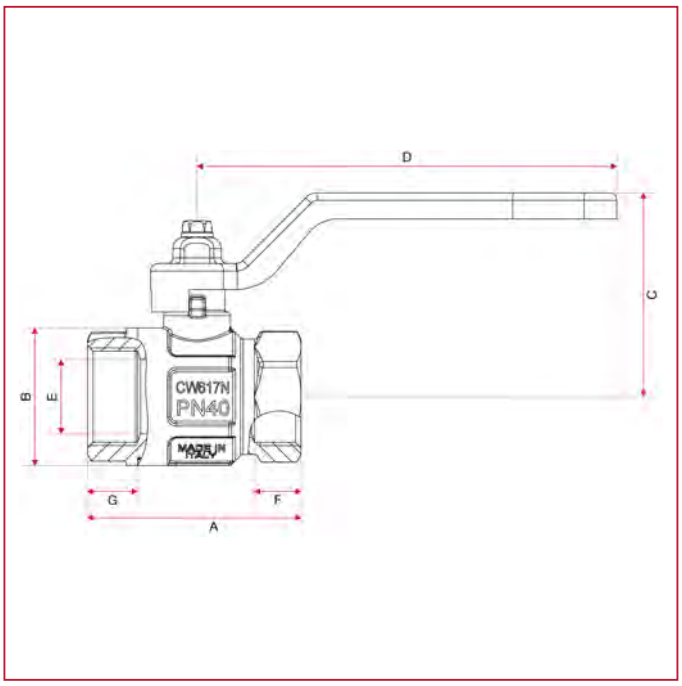
CERTIFICACIONES

ESPECIFICACIONES

Conexiones roscadas hembra/hembra o macho/hembra.
Mando palanca en acero (aluminio en las medidas 2”1/2 - 3” - 4”) o mando mariposa en aluminio o mando palanca plana en acero recubierta.
Cuerpo de latón niquelado.
Temperatura mínima y máxima de trabajo: -20°C, 150°C en ausencia de vapor.
Attacchi filettati ISO 228 (equivalente a DIN EN ISO 228 e BS EN ISO 228).
Indique “N” solo para la adquisición de la válvula con manilla negra.
Disponible con rosca americana NPT en las medidas de 1/4”a 2”.

VÁLVULAS DE ESFERA PASO TOTAL IDEAL

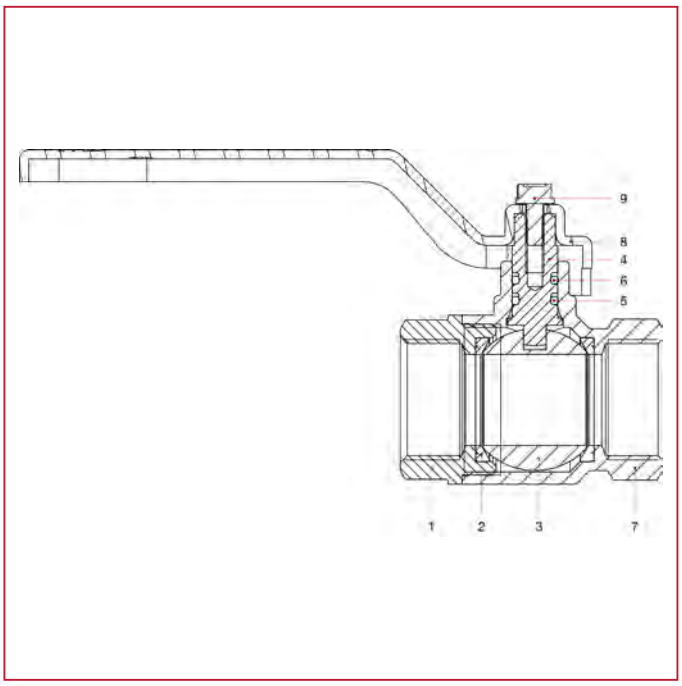
Dimensiones totales



	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
DN	8	10	15	20	25	32	40	50	65	80	100
A	44,4	44,4	50,5	57,5	70	80,5	94,5	112,5	134,5	157	190
B	23,5	24	30,5	37	45,5	57	70	84	109	131	164
C	37	37	41	55	59	75	81	96	115	133	149
D	80	80	80	113	113	138	138	157,8	197	250	250
E	10	10	15	20	25	32	40	50	65	80	100
F	10	10	12	12,5	15	17	18,5	22	24	26	30
G	10	10	12,5	13,5	15	16,5	17,5	20,5	24	26	30
Kg/cm2 bar	50	50	50	40	40	30	30	25	18	16	14
LBS - psi	725	725	725	580	580	435	435	362,5	261	232	203

VÁLVULAS DE ESFERA PASO TOTAL IDEAL

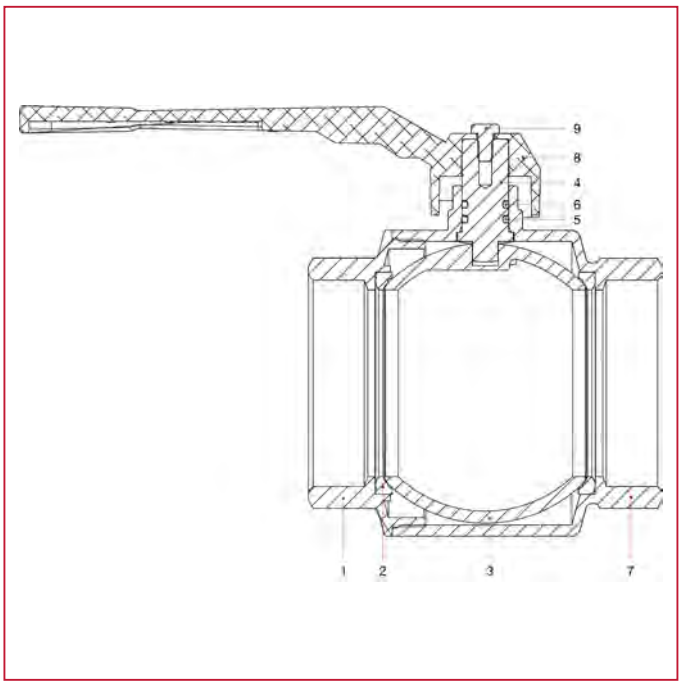
MATERIALES medidas de 1/4" a 2"



POS.	DESCRIPCIÓN	N.	MATERIAL
1	Female end adapter	1	Nickel-plated brass CW617N
2	Seat	2	P.T.F.E.
3	Ball	1	Chrome-plated brass CW617N
4	Stem	1	Brass CW614N
5	O-ring	1	NBR
6	O-ring	1	Viton®
7	Body	1	Nickel-plated brass CW617N
8	Lever handle	1	Varnished steel P04
9	Screw	1	Zinc-plated steel C4C

VÁLVULAS DE ESFERA PASO TOTAL IDEAL

MATERIALES medidas de 2"1/2 a 4"



POS.	DESCRIPCIÓN	N.	MATERIAL
1	Female end adapter	1	Nickel-plated brass CW617N
2	Seat	2	P.T.F.E.
3	Ball	1	Chrome-plated brass CW617N
4	Stem	1	Brass CW614N
5	O-ring	1	NBR
6	O-ring	1	Viton®
7	Body	1	Nickel-plated brass CW617N
8	Lever handle	1	Varnished aluminium
9	Screw	1	Zinc-plated CB4 FF (C34)

INSTALACIÓN

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.
In order to avoid that the sealed material gets broken and then the valve looses the connection between the body and the end-adapter, it's necessary to avoid to submit the two parts under the influence of a torque.
For the installation normal hydraulic practices must be used, and especially:
- ones have to be sure that the two pipes are correctly aligned;
- during the assembling process the installer has to apply its assembling tools 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.

DESINSTALAR

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;
- depressurizze 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;

MANTENIMIENTO

Verify the valve periodically, according to its application's field and its works' field and its work's conditions, in order to be sure that the valve works correctly.

FABRICANTE

ITAP S.p.A.
Via Ruca 19/21 - 25065
Lumezzane (BS), Italy
Teléfono: +39 030 8927011
Fax: +39 030 8921990
email: info@itap.it
web: www.itap.it

DIAGRAMA DE PÉRDIDAS DE CARGA (con agua)

	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
KV	3,45	5,00	15,65	26,26	41,44	63,69	101	169	348	390	725

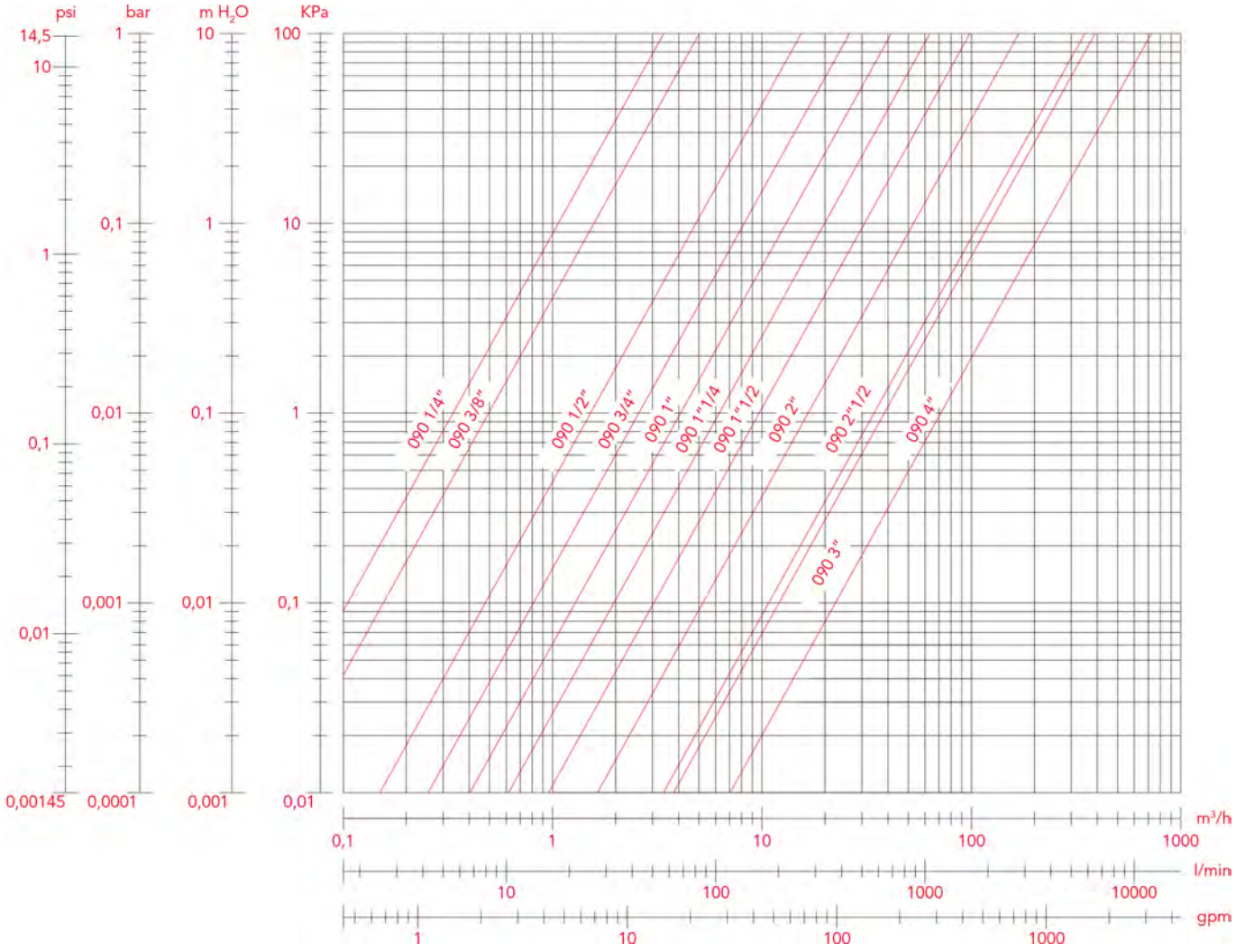


DIAGRAMA DE PRESIÓN-TEMPERATURA

The values shown by the dropping lines state the maximum limit of employment of the valves.
The shown values are approximate.