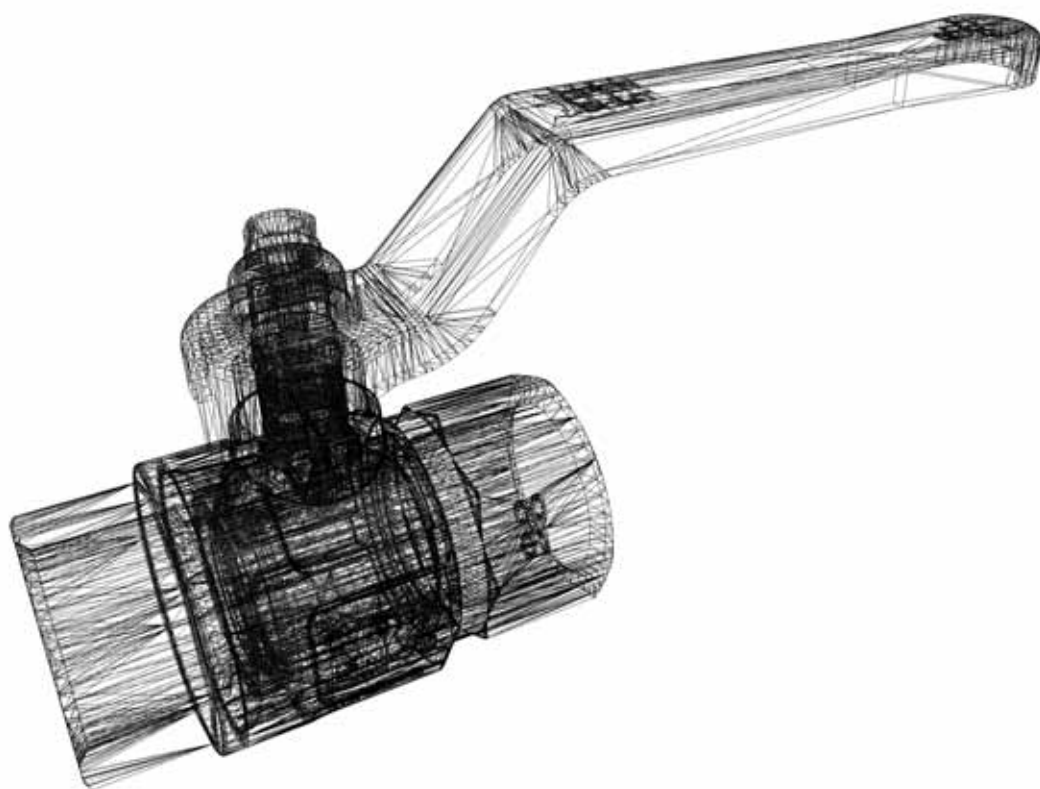


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klepp & Co
ARMATUREN Handels-GmbH



TECHNICAL CATALOGUE

BALL VALVES:
MADRID®

FULL FLOW
BALL VALVES:
MADRID®

SUITABLE FOR DOMESTIC
WATER SERVICES, HEATING,
AIR-CONDITIONING PLANTS
AND COMPRESSED AIR
SYSTEMS.

BALL VALVES

076

MADRID®
BALL VALVE,
FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	076B014	12/192
3/8" (DN 10)	50bar/725psi	076B038	12/192
1/2" (DN 15)	50bar/725psi	076B012	10/100
3/4" (DN 20)	40bar/580psi	076B034	8/64
1" (DN 25)	40bar/580psi	076B100	6/48
1"1/4 (DN 32)	30bar/435psi	076B114	4/32
1"1/2 (DN 40)	30bar/435psi	076B112	2/16
2" (DN 50)	25bar/362,5psi	076B200	2/14

TECHNICAL SPECIFICATIONS

Female/female threads.

Lever handle in steel.

Body in nickel-plated brass.

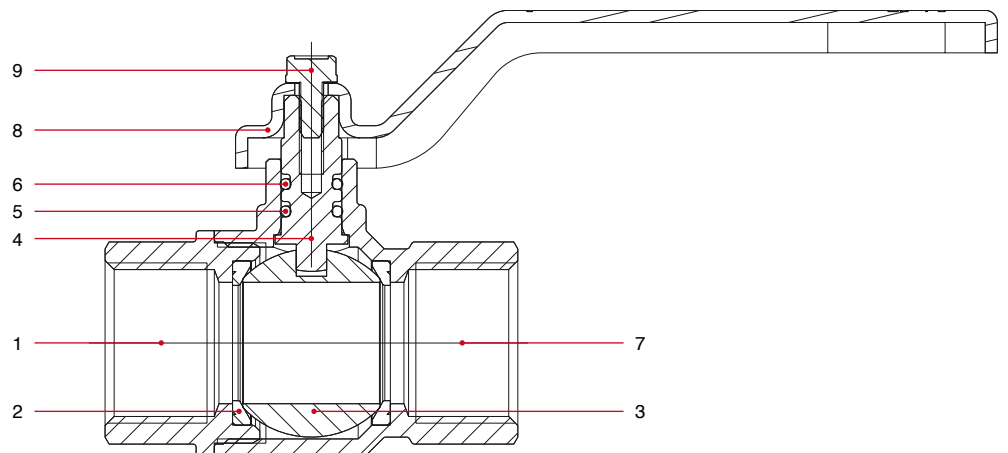
Minimum and maximum working temperatures:

-20°C, 150°C in absence of steam.

Female threads: ISO 7/1 Rp parallel

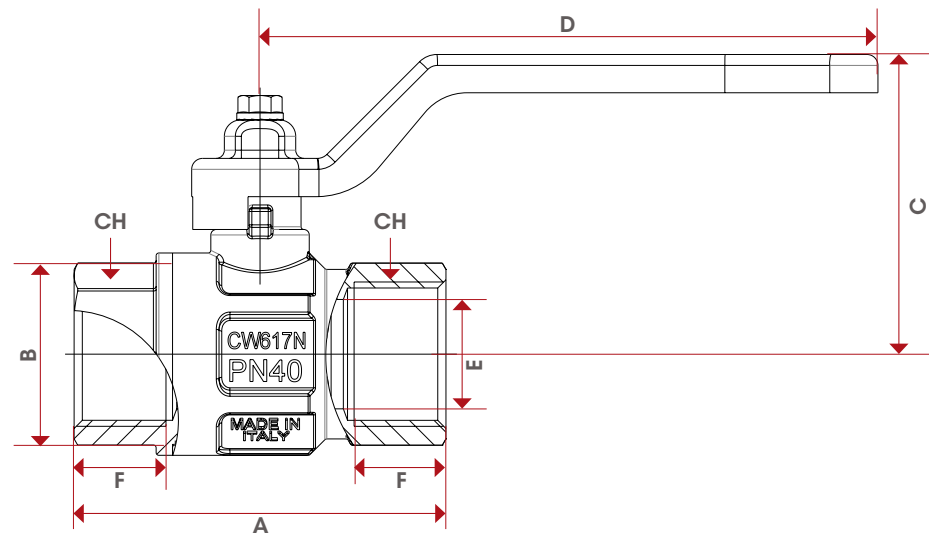
(equivalent to DIN EN 10226-1 and BS EN 10226-1).

MATERIALS



POS.	DESCRIPTION	N.	MATERIAL
1	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	Zinc-plated and varnished steel Fe.P04
9	Screw	1	Zinc-plated steel Fe CB4

OVERALL DIMENSIONS



	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN	8	10	15	20	25	32	40	50
A	49,5	52,4	61	68	85	99,5	109	130
B	23,5	24	30,5	37	45,5	58	71	85
C	37,3	37,3	48,8	54,8	56,8	75	90,3	97,3
D	80	80	88,5	113	113	138	157,8	157,8
E	10	10	15	20	25	32	40	50
F	11	11,4	15	16,3	19,1	21,4	21,4	25,7
CH	18	21	25	31	38	47	54	66
Kg/cm ² bar	50	50	50	40	40	30	30	25
LBS - psi	725	725	725	580	580	435	435	362,5

CERTIFICATIONS



077

MADRID®
BALL VALVE,
FULL FLOW

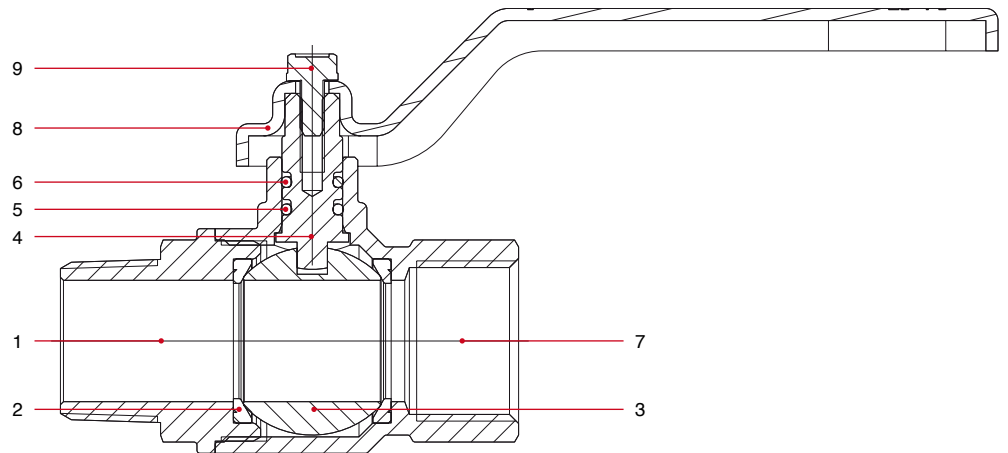


SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	077B014	12/192
3/8" (DN 10)	50bar/725psi	077B038	12/132
1/2" (DN 15)	50bar/725psi	077B012	10/100
3/4" (DN 20)	40bar/580psi	077B034	8/64
1" (DN 25)	40bar/580psi	077B100	6/48
1"1/4 (DN 32)	30bar/435psi	077B114	4/24
1"1/2 (DN 40)	30bar/435psi	077B112	2/16
2" (DN 50)	25bar/362,5psi	077B200	2/14

TECHNICAL SPECIFICATIONS

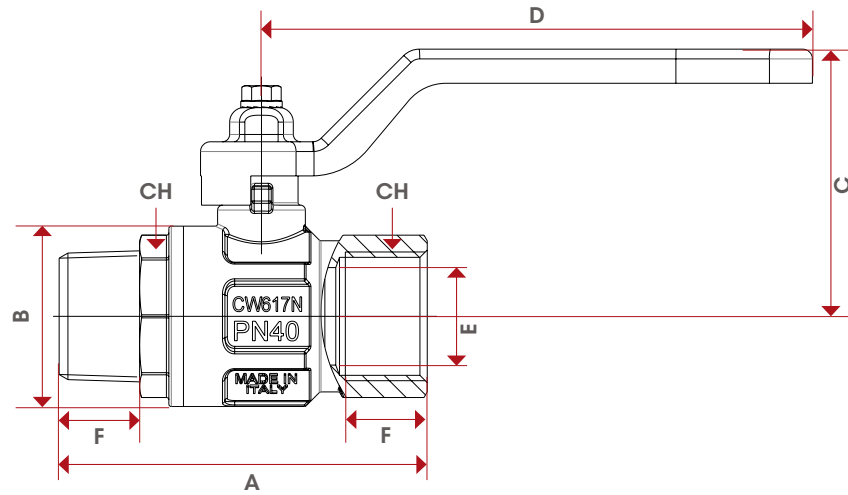
Male/female threads.
Lever handle in steel.
Body in nickel-plated brass.
Minimum and maximum working temperatures:
-20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel
(equivalent to DIN EN 10226-1 and BS EN 10226-1).
Male threads: ISO 7/1 R taper
(equivalent to DIN EN 10226-1 and BS EN 10226-1).

MATERIALS



POS.	DESCRIPTION	N.	MATERIAL
1	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	Zinc-plated and varnished steel Fe.P04
9	Screw	1	Zinc-plated steel Fe CB4

OVERALL DIMENSIONS



	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
DN	8	10	15	20	25	32	40	50
A	56,9	58,9	68	75,5	90,5	105	115,5	135,5
B	23,5	24	30,5	37	45,5	58	71	85
C	37,3	37,3	48,8	54,8	58,8	75	90,3	97
D	80	80	88,5	113	113	138	157,8	157,8
E	8	10	15	20	25	32	39	50
F	11	11,4	15	16,3	19,1	21,4	21,4	25,7
CH	18	21	25	31	38	47	54	66
Kg/cm ² bar	50	50	50	40	40	30	30	25
LBS - psi	725	725	725	580	580	435	435	362,5

CERTIFICATIONS



078

MADRID® BALL VALVE, FULL FLOW



SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	078B014	15/165
3/8" (DN 10)	50bar/725psi	078B038	15/165
1/2" (DN 15)	50bar/725psi	078B012	10/110
3/4" (DN 20)	40bar/580psi	078B034	8/64
1" (DN 25)	40bar/580psi	078B100	6/48

TECHNICAL SPECIFICATIONS

Female/female threads.

T handle in aluminium.

Body in nickel-plated brass.

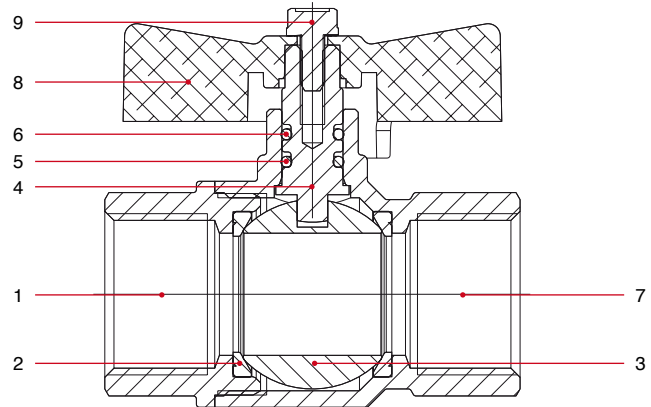
Minimum and maximum working temperatures:

-20°C, 150°C in absence of steam.

Female threads: ISO 7/1 Rp parallel

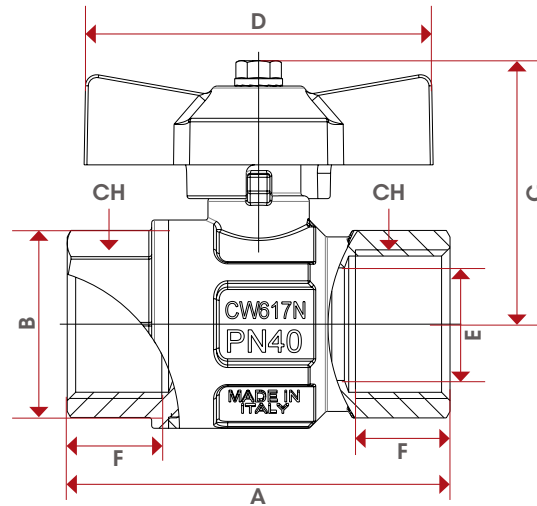
(equivalent to DIN EN 10226-1 and BS EN 10226-1).

MATERIALS



POS.	DESCRIPTION	N.	MATERIAL
1	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	T handle	1	Aluminium
9	Screw	1	Zinc-plated steel Fe CB4

OVERALL DIMENSIONS



	1/4"	3/8"	1/2"	3/4"	1"
DN	8	10	15	20	25
A	49,5	52,4	61	68	85
B	23,5	24	30,5	37	45,5
C	37,3	37,3	43,8	46,8	50,8
D	47	47	54	62	62
E	10	10	15	20	25
F	11	11,4	15	16,3	19,1
CH	18	21	25	31	38
Kg/cm ² bar	50	50	50	40	40
LBS - psi	725	725	725	580	580

CERTIFICATIONS



079

MADRID® BALL VALVE, FULL FLOW

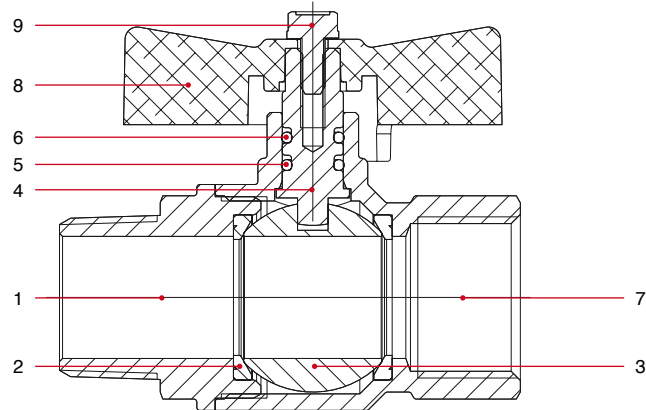


SIZE	PRESSURE	CODE	PACKING
1/4" (DN 8)	50bar/725psi	079B014	15/165
3/8" (DN 10)	50bar/725psi	079B038	15/165
1/2" (DN 15)	50bar/725psi	079B012	10/130
3/4" (DN 20)	40bar/580psi	079B034	8/64
1" (DN 25)	40bar/580psi	079B100	6/48

TECHNICAL SPECIFICATIONS

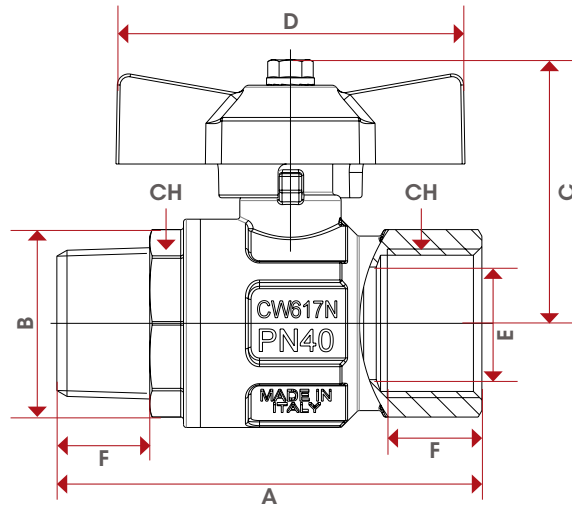
Male/female threads.
T handle in aluminium.
Body in nickel-plated brass.
Minimum and maximum working temperatures:
-20°C, 150°C in absence of steam.
Female threads: ISO 7/1 Rp parallel
(equivalent to DIN EN 10226-1 and BS EN 10226-1).
Male threads: ISO 7/1 R taper
(equivalent to DIN EN 10226-1 and BS EN 10226-1).

MATERIALS



POS.	DESCRIPTION	N.	MATERIAL
1	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	T handle	1	Aluminium
9	Screw	1	Zinc-plated steel Fe CB4

OVERALL DIMENSIONS



	1/4"	3/8"	1/2"	3/4"	1"
DN	8	10	15	20	25
A	56,9	58,9	68	75,5	90,5
B	23,5	24	30,5	37	45,5
C	37,3	37,3	43,8	46,8	50,8
D	47	47	54	62	62
E	8	10	15	20	25
F	11	11,4	15	16,3	19,1
CH	18	21	25	31	38
Kg/cm ² bar	50	50	50	40	40
LBS - psi	725	725	725	580	580

CERTIFICATIONS

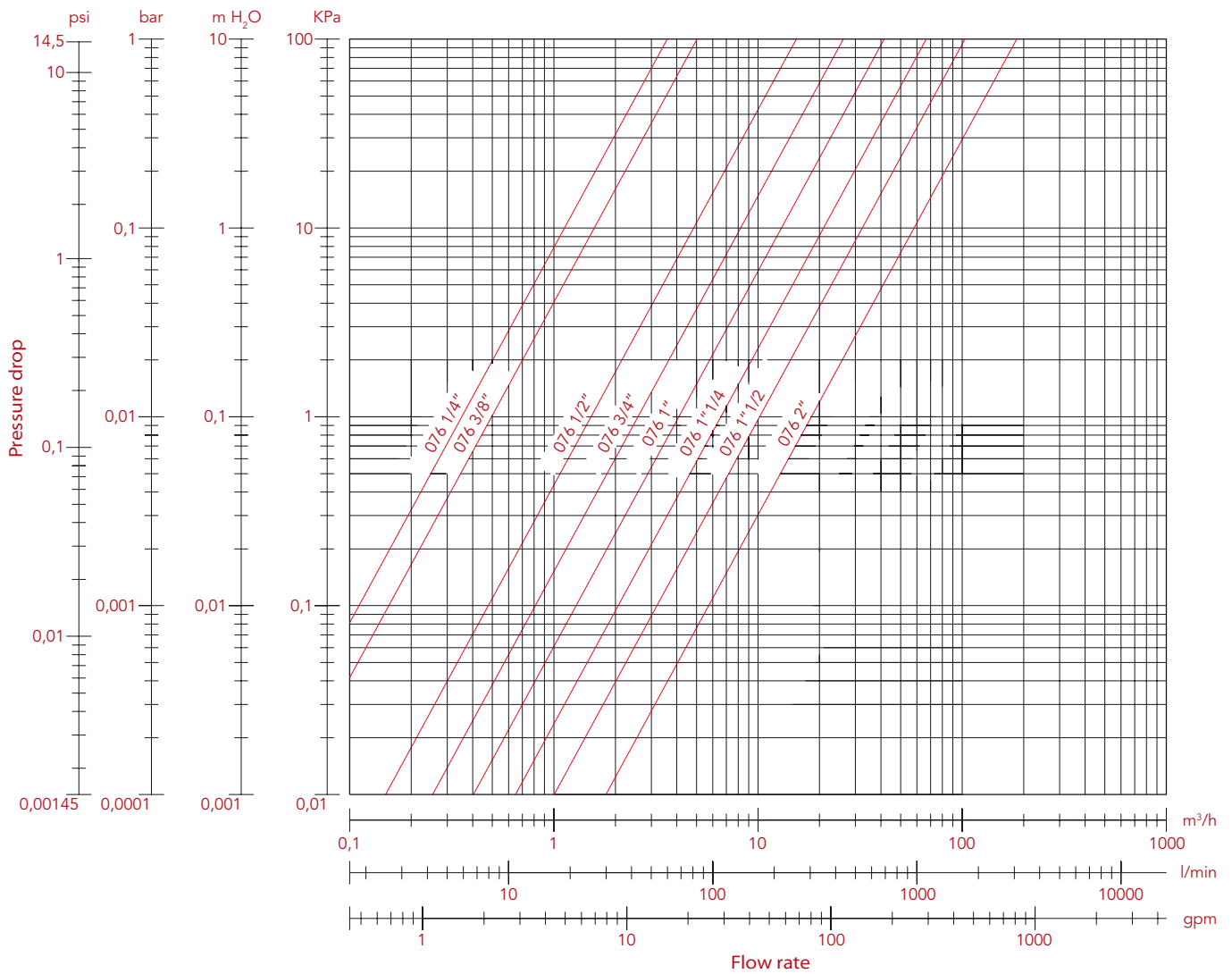


MADRID®

FLOW RATE AND PRESSURE DROP CHART

WITH WATER

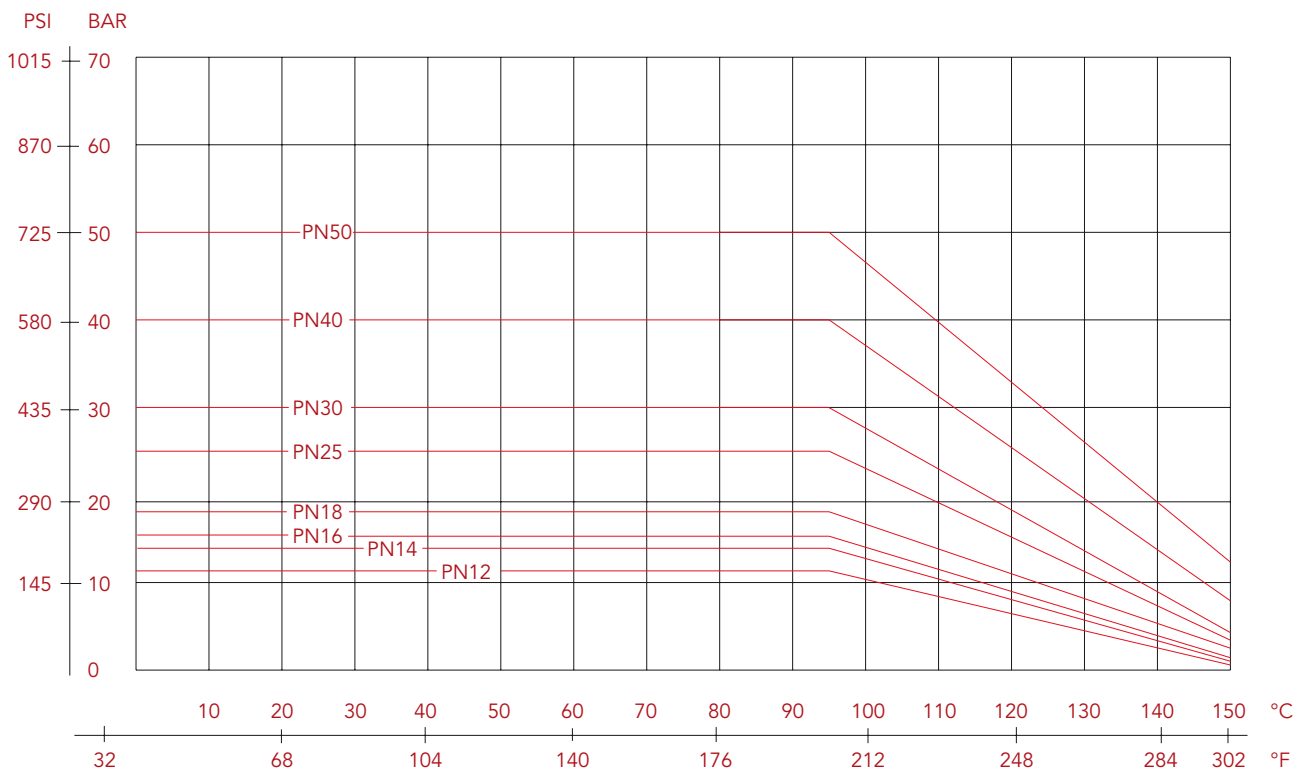
Art: 076 - 077 - 078 - 079



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

BALL VALVES



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